



Haverhill High School



Program of Studies

2023-2024

Haverhill High School
137 Monument Street
Haverhill, MA 01832



Haverhill High School

Statement of Purpose

Haverhill High School's 21st Century Learning Expectations

Academic

1. Scholars will communicate by listening, writing, and speaking clearly and effectively in a variety of formats.
2. Scholars will apply critical thinking skills to solve problems that relate to real world application.
3. Scholars will use technology to research, solve problems, and design presentations, documents, and other products in a legal and ethical fashion.

Social

1. Scholars will embody the core values at Haverhill High School by being global, responsible, engaged, accepting, and tenacious in our school and community.

Civic

1. Scholars will demonstrate an understanding of civic responsibilities with a global perspective and in our local community.



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Haverhill High School hopes to offer all courses listed in this Program of Studies, but due to budget or enrollment priorities all offerings may not be available. Scholars and their parents or guardians should be aware of this possibility.

GRADUATION REQUIREMENTS

Twenty (20) credits are required for graduation from Haverhill High School. All scholars must satisfy the graduation requirements listed below. In addition, scholars must pass the English, Mathematics, and Science MCAS tests as required by state regulations to graduate with a Competency Determination (CD).

All scholars are strongly encouraged to meet the MassCore graduation requirements set forth by the Department of Elementary and Secondary Education. **MassCore is a state recommended, rigorous program of study that aligns high school course work with college and workforce expectations.** MassCore requires an additional credit in Mathematics, one credit in both World Language and Fine Arts, and two and a half additional courses, for a total of **22** credits.

Area of Study	Haverhill High School Credits 20	MassCore HHS Class of 2025 and beyond 22 credits
English (I, II, III, IV)	4.0	4.0
Social Studies – including World History II and US History I & II	3.0	3.0
Mathematics (*Must include Algebra II)	3.0	4.0*
Lab-based Science	3.0	3.0
Technology	0.5	---
School-to-Career	1.0	---
Fine Arts or World Languages	1.0	---
Fine Arts	---	1.0
World Languages (*Must be the same language)	---	2.0*
Wellness	2.0	2.0**
Electives	2.5	---
Additional Mass ore credits (*Must be from technology, school-to-career, business, or additional core academic areas)	---	3.0

Note: Graduation requirements subject to change with School Committee approval.

**** Required by law**

Suggested Credits for Admission to Post-Secondary School					
	English	Social Studies	Mathematics	Science	World Languages
Highly Selective Colleges	4	4	4-5	4	3-4
Four-Year College	4	3	4	3-4	2-4
Two-Year College	4	3	3	3	1-2
Technical College	4	3	3	3	1-2

HAVERHILL HIGH SCHOOL FOUR YEAR PLAN

Class of 2024

NAME: _____ **COUNSELOR:** _____ **YOG:** _____

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English I	English II	English III	English IV
World History II	U.S. History I	U.S. History II	
Mathematics	Mathematics	Mathematics	Mathematics
Lab Science	Lab Science	Lab Science	Science
Health I	Health II	Physical Education I	Physical Education II
World Language I	World Language II		
Fine Art	Fine Art		
School to Career	School to Career		
Computer Tech	Academy Courses	Academy Courses	Academy Courses
Total Credits:	Total Credits:	Total Credits:	Total Credits:

HAVERHILL HIGH SCHOOL GRADUATION REQUIREMENTS

4.0 Credits of English 3.0 Credits of Social Studies with World History II and U.S History I & II 3.0 Credits of Math 3.0 Credits of Lab Science 1.0 Credit School to Career	1.0 Credit World Language or Fine Art 0.5 Credit of a Computer Tech course 2.0 Credits of Wellness 2.5 Credits of Electives
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PASS REQUIRED MCAS EXAMS: ENGLISH, MATHEMATICS AND SCIENCE

Post High School Plans

☐ 2 Year College
☐ 4 Year College
☐ Employment
☐ Armed Forces
☐ Other

Promotion Requirements at Haverhill High School

4.5 Credits & pass English I and Algebra I to enter Grade 10
 9 Credits & pass English II to enter Grade 11
 13.5 Credits & pass English III to enter Grade 12
 20 Credits, pass English IV and MCAS to graduate

4yr MA State College and UMASS Requirements

4 Credits of English
 4 Credits of Math (Algebra I, Geometry, Algebra II, plus
 Senior Math)
 3 Credits of Social Studies (including U.S. History)
 2 Credits of World Language (single language)
 3 Credits of Lab-based Science
GPA of 3.0 is preferred

Grade Point Average Equivalents

4.0 = A
3.0 = B
2.0 = C
1.0 = D

HAVERHILL HIGH SCHOOL FOUR YEAR PLAN

Class of 2025 and Beyond

NAME: _____ COUNSELOR: _____ YOG: _____

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English I	English II	English III	English IV
World History II	U.S. History I	U.S. History II	
Mathematics	Mathematics	Mathematics	Mathematics
Lab Science	Lab Science	Lab Science	Science
World Language	World Language II		
Fine Art	Fine Art		
Physical Education I	Physical Education II		
Health I	Health II		
	Academy Courses	Academy Courses	Academy Courses
Total Credits:	Total Credits:	Total Credits:	Total Credits:

HAVERHILL HIGH SCHOOL GRADUATION REQUIREMENTS

Class of 2025 and Beyond

4.0 Credits of English
 3.0 Credits of Social Studies with
 World History II and U.S History I & II
 4.0 Credits of Math
 3.0 Credits of Lab Science

2.0 Credit World Language
 1.0 Credit of Fine Art
 2.0 Credits of Wellness
 3.0 Credits of Electives

PASS REQUIRED MCAS EXAMS: ENGLISH, MATHEMATICS AND SCIENCE

Post High School Plans

☐ 2 Year College
☐ 4 Year College
☐ Employment
☐ Armed Forces
☐ Other

Promotion Requirements at Haverhill High School **Class of 2025 and Beyond**

5.5 Credits & pass English I and Algebra I to enter Grade 10
 11 Credits & pass English II to enter Grade 11
 15.5 Credits & pass English III to enter Grade 12
 22 Credits, pass English IV and MCAS to graduate

4yr MA State College and UMASS Requirements

4 Credits of English
 4 Credits of Math (Algebra I, Geometry, Algebra II, plus
 Senior Math)
 3 Credits of Social Studies (including U.S. History)
 2 Credits of World Language (single language)
 3 Credits of Lab-based Science

GPA of 3.0 is preferred

Grade Point Average Equivalents

4.0 = A
3.0 = B
2.0 = C
1.0 = D

School-to-Career

Every scholar will eventually enter the workforce. After high school, all scholars will choose to pursue an entry-level position in the workplace or secure additional skills and education by attending a two-year college, four-year College or a technical school. Preparing all scholars to compete and perform in the real world is essential. The School to Career initiative provides the core proficiencies and academic competencies necessary for scholars to succeed in our globally competitive world. The School to Career vision is that this will be achieved through career-based learning experiences along with applied academics and increased emphasis on comprehensive career exploration.

ENGLISH ELECTIVES

BROADCAST JOURNALISM
CREATIVE WRITING
JOURNALISM
PUBLIC SPEAKING
YEARBOOK PUBLISHING

HISTORY

AP U.S. GOVERNMENT AND POLITICS
CHILD PSYCHOLOGY CP
CHILD PSYCHOLOGY HONORS
CONSTITUTIONAL LAW CP
CONSTITUTIONAL LAW HONORS
CRIMINAL JUSTICE
PSYCHOLOGY CP
PSYCHOLOGY HONORS

SCIENCE AND ENGINEERING

AP BIOLOGY
AP CHEMISTRY
AP ENVIRONMENTAL SCIENCE
AP PHYSICS 1
EMERGENCY MEDICAL TECHNICIAN (EMT)
INTRODUCTION TO PROGRAMMING
CTE PLTW BIOMEDICAL INNOVATION
CTE PLTW DIGITAL ELECTRONICS HONORS
CTE PLTW HUMAN BODY SYSTEMS HONORS
CTE PLTW INTRODUCTION TO ENGINEERING DESIGN HONORS
CTE PLTW MEDICAL INTERVENTIONS HONORS
CTE PLTW PRINCIPLES OF BIOMEDICAL SCIENCE HONORS
CTE PLTW PRINCIPLES OF ENGINEERING HONORS

STEM TECHNOLOGY

3D PRINTING
AP COMPUTER SCIENCE – A
AP COMPUTER SCIENCE PRINCIPLES
COMPUTER TECHNOLOGY
GAME DESIGN I
INTRODUCTION TO PROGRAMMING
ROBOTICS
WEB DEVELOPMENT AND DESIGN I

CAREER TECHNICAL EDUCATION

HEALTHCARE OCCUPATIONS REQUIRED COURSES

CTE FUNDAMENTALS OF HEALTHCARE OCCUPATIONS I HONORS
CTE PROFESSIONALISM IN HEALTHCARE OCCUPATIONS II HONORS
CTE NURSE AIDE TRAINING COURSE (DPH APPROVED) HEALTHCARE OCCUPATIONS III HONORS
CTE HEALTHCARE OCCUPATIONS IV HONORS
CTE HEALTHCARE OCCUPATIONS CAPSTONE HONORS

INFORMATION TECHNOLOGY REQUIRED COURSES

CVTE INFORMATION TECHNOLOGY: 3D PRINTING HONORS
CVTE INFORMATION TECHNOLOGY: ADVANCED NETWORKING & CYBER SECURITY HONORS
CVTE INFORMATION TECHNOLOGY: CAPSTONE HONORS
CVTE INFORMATION TECHNOLOGY: CISCO IT ESSENTIALS HONORS
CVTE INFORMATION TECHNOLOGY: CISCO INTRO TO NETWORKS HONORS
CVTE INFORMATION TECHNOLOGY: DATABASE DESIGN HONORS
CVTE INFORMATION TECHNOLOGY: INTRODUCTION TO PROGRAMMING HONORS
CVTE INFORMATION TECHNOLOGY: PRINCIPLES OF IT HONORS
CVTE INFORMATION TECHNOLOGY: ENTREPRENEURSHIP HONORS

COMPUTER SCIENCE & WEB DEVELOPMENT REQ COURSES

CVTE INFORMATION TECHNOLOGY: INTRODUCTION TO PROGRAMMING HONORS
CVTE INFORMATION TECHNOLOGY: PRINCIPLES OF IT HONORS
CVTE COMPUTER SCIENCE & WEB DEVELOPMENT: CAPSTONE Honors

COMPUTER SCIENCE & WEB DEVELOPMENT REQ COURSES (CONTINUED)

CVTE COMPUTER SCIENCE & WEB DEVELOPMENT GRADE 10: PYTHON PROGRAMMING HONORS
CVTE COMPUTER SCIENCE & WEB DEVELOPMENT GRADE 11: FUNDAMENTALS OF WEB DEVELOPMENT HONORS
CVTE COMPUTER SCIENCE & WEB DEVELOPMENT SOFTWARE DEVELOPMENT AND DATABASES HONORS
CVTE COMPUTER SCIENCE & WEB DEVELOPMENT: ENTREPRENEURSHIP HONORS

FINE ARTS

VISUAL ARTS

ADVANCED JEWELRY/METALSMITHING
ADVANCED PHOTOGRAPHY
AP ART HISTORY
ADVANCED FILMMAKING
CERAMICS I
CERAMICS II
DIGITAL DESIGN I
DIGITAL DESIGN II
FILMMAKING CAPSTONE
JEWELRY MAKING/METAL SMITHING
PHOTOGRAPHY I
PHOTOGRAPHY II

MUSIC AND PERFORMING ARTS

INTRODUCTION TO MUSIC SOFTWARE
JAZZ BAND HONORS

BUSINESS ACADEMY

ACCOUNTING AND BUSINESS ELECTIVES

BUSINESS
ACCOUNTING I
ACCOUNTING HONORS
AP MICROECONOMICS
BUSINESS MARKETING
INTRODUCTION TO BUSINESS
ENTREPRENEURSHIP
FUNDAMENTALS OF VOCATIONAL SKILLS CULINARY
FUNDAMENTALS OF VOCATIONAL SKILLS RETAIL
INTRODUCTION TO BUSINESS
INTRODUCTION TO ECONOMICS
MONEY MATTERS

CULINARY ARTS ELECTIVES

ADVANCED CULINARY ARTS
BAKE SHOP
CULINARY ARTS
INTRODUCTION TO FOODS AND NUTRITION
MULTICULTURAL FOODS

FASHION CONSTRUCTION AND DESIGN ELECTIVES

FASHION I
FASHION II

WELLNESS

FIRST AID AND CPR

LEADERSHIP EDUCATION (MARINE CORPS JROTC)

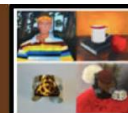
LEADERSHIP EDUCATION I
LEADERSHIP EDUCATION II
LEADERSHIP EDUCATION III
LEADERSHIP EDUCATION IV

INTERNSHIP PROGRAM

INTERNSHIP



POSSIBLE CAREERS:	PROGRAM DESCRIPTION:	
<p>Education and Social Services: Advocate Teacher Human Rights Advocate Social Worker Anthropologist</p> <p>Communications: Journalist Advertising Copywriter Freelance Editor Copy Editor Communications Director Publicist</p> <p>Politics and Law Lawyer Politician Activist Media Consultant Political Consultant</p>	<p>The humanities courses are the cornerstone of education and include such disciplines as English, history, classical studies, social sciences, art, philosophy and language. They teach scholars how to read and write and offer ways of teaching others to live fully and creatively. Additionally, they teach scholars how to use their imaginations, find beauty in experience, and reflect critically on that experience. The study of the humanities provides scholars with historical perspective and cultural awareness which gives them the ability to express themselves clearly and accurately, the opportunity to critically evaluate, analyze and interpret ideas and actions, and the courage to make choices on shared values.</p> <p>THE HUMANITIES PATHWAYS</p> <p>– To earn your academy designation at graduation you must complete the list of graduation requirements and two (2) credits in your chosen academy electives listed below and three (3) credits of a World Language.</p> <p>-All scholars must earn a 75% or better in all elective</p>	
<p>Criminal Justice: Police Officer Clerk Magistrate Corrections Officer Forensic Scientist</p> <p>Career Internship Opportunities The purpose of the Career Internship is to provide scholars with a meaningful workplace experience working closely with a professional in a chosen field. The scholars will also participate in classes where they will build a career portfolio, including resumes, cover letters, and ultimately, letters of recommendation. The scholars will also learn about interview and job search skills as well as labor laws and their rights in the workplace. This course runs two afternoons a week from 2:15 p.m. to 5:00 p.m. Scholars will receive ½ credit per semester for satisfactory completion of all requirements. Scholars must be at least 16 years old to participate.</p>	<p>Education and Social Services: Honors Psychology/Psychology Child Psychology 1 Child Psychology 2 Sociology Internship</p> <p>Politics and Law: A.P. U.S. Government (1 cr) Intro to Government Honors Constitutional Law or Constitutional Law (1cr) Honors Psychology/Psychology Philosophy International Relations Mock-Trial Internship</p>	<p>Criminal Justice: Criminal Justice Justice and Society True Crime Forensic Science CSI (Crime Scene Investigations) Mock Trial Internship</p> <p>Communications: Business Marketing Creative Writing Journalism Philosophy Public Speaking Internship</p>



CAREERS	PATHWAYS	Visual Art	Theatre	Music	Film
<u>Art Directors</u> Art directors are responsible for the visual style and images in magazines, newspapers, product packaging, and movie and television productions. They create the overall design of a project and direct others who develop artwork and layouts.	<u>Freshman:</u> Scholars who participated in the Loop program and passed may choose upper level	Foundations in Art	Foundations of Theatre	Music Exploration Beginning Band OR Band / Chorus	Introduction to Filmmaking
<u>Graphic Designers</u> Graphic designers create visual concepts, using computer software or by hand, to communicate ideas that inspire, inform, and captivate consumers. They develop the overall layout and production design for various applications such as advertisements, brochures, magazines, and corporate reports.	<u>Sophomore:</u> Each class is .5 credits. Except AP which is 1 full credit upon passing the AP exam.	Ceramics Digital Design Workshop Studio Drawing Studio Painting Sculpture Jewelry Printmaking Photography	Acting I Improvisation Movement for Theatre	Band /Chorus A Cappella Jazz Band	Advanced Filmmaking
<u>Industrial Designers</u> Industrial designers develop the concepts for manufactured products, such as cars, home appliances, and toys. They combine art, business, and engineering to make products that people use every day. Industrial designers consider the function, aesthetics, production costs, and the usability of products when developing new product concepts	<u>Junior</u> Scholars must complete a portfolio or performance as their capstone project in order to graduate from the FAA.	Photography Advanced Jewelry Advanced Studio Drawing Advanced Studio Painting Ceramics II Digital Design Workshop II AP Art History	Voice in Acting Acting II Theatrical Design	Guitar Workshop Piano Workshop World Drum Ensemble Introduction to Music Software History of Rock and Roll	History of Film
<u>Music Directors and Composers</u> Music directors, also called conductors, lead orchestras and other musical groups during performances and recording sessions. Composers write and arrange original music in a variety of musical styles <u>Producers and Directors</u> Producers and directors create motion pictures, television shows, live theater, commercials, and other performing arts productions. They interpret a writer's script to entertain or inform an audience.	<u>Senior:</u> All classes in BOLD are mandatory for chosen pathway	AP Art Studio-* Scholars may focus on building a portfolio in 2-D or 3-D media. Drawing, Painting, Photo, Film, Ceramics may be chosen as your concentration for AP	Pre-AP Theatre	AP Music Theory	Filmmaking Capstone



9th Grade Courses

English I Honors Accelerated
English I Honors
World History I Honors
Algebra I Honors or Algebra II Honors
Biology Honors
A Classical Perspective - Literature
Latin I Honors
Wellness
Chosen Elective

10th Grade Courses

English II Honors Accelerated
English II Honors
AP European History
Geometry Honors
Chemistry Honors
Latin II Honors
Wellness

One of the following:

1. *2nd World Language (Honors Level)*
2. *Another AP course (with teacher recommendation)*
3. *1 credit worth of Fine Arts electives and/or electives from another academy in which the scholar is enrolled.*
4. *Advisor approved elective*

11th Grade Courses

AP Literature and Composition
AP U.S. History
Algebra II or Pre-calculus Honors
Physics Honors or any honors level science
Latin III Honors or Latin III Honors Accelerated
Second Language (year 1) or Chosen Elective

12th Grade Courses

AP Language and Composition or English IV Honors
Capstone-Seminar Honors ½ credit
Fourth year of Mathematics (Pre-calculus Honors, Calculus Honors or AP, Statistics Honors or AP, etc.)
Suggested Courses
Physics AP or Biology AP
Latin IV Honors or Latin AP
Second Language (year 2),
Art History AP or any chosen elective

The Classical Academy is an admissions exam program within Haverhill High School that engages academically promising scholars in a challenging college preparatory curriculum intended to broaden and deepen their knowledge, skills, understandings, and civic commitment. A classical education promotes intellectual curiosity and critical thinking as its core values. Therefore, scholars are encouraged to find what academic pursuits interest them the most and pursue these with vigor. The Classical Academy creates scholars who are well-rounded, cultured, self-disciplined, critical thinkers who can thrive at the highest academic levels.

Scholars take an entrance exam and based on their scores, teacher recommendations and their middle school transcripts are accepted into the program. Many scholars, who would have attended private schools, have chosen Haverhill High for the sole purpose of participating in this program.

Scholars have a prescribed four-year curriculum that is rigorous but also allows scholars the flexibility to pursue their unique interests. All core courses are honors or Advanced Placement levels. Scholars are required to take a minimum of three (3) Advanced Placement (AP) courses. Beginning with the Class of 2020 scholars will be required to take a minimum of four (4) Advanced Placement (AP) courses. Classical Academy scholars must take and pass at least three years of Latin. There are courses offered which are unique to the program.

In their freshman year, scholars take a course called *A Classical Perspective*, which focuses on classical themes within literature and studio art. This interdisciplinary, project-based course incorporates and connects curricula from the Humanities, World Languages and Fine Arts. In addition to their core subjects, History, English, Mathematics, Science and Latin and their Classical Perspective courses, scholars take Wellness and a World Language.

In their sophomore year, scholars are required to take AP European History, English, Mathematics, Science and Wellness. In addition, they will take either: a) 2nd World Language (Honors Level) b) Another AP course (with teacher recommendation) or c) 1 credit worth of Fine Arts electives and/or electives from another academy in which the scholar is enrolled.

In their junior year, scholars take AP U.S. History and AP English. Scholars may elect one and a half courses and are encouraged to take a second language including modern languages (French, Spanish, Italian) or Ancient Greek. They may also take an additional mathematics or science or advanced placement course. Juniors and seniors are encouraged to do a community service project of their choosing.

In their Senior year, scholars take senior seminar and produce an eighty hour project about a topic of their choice, culminating in a presentation before a panel of expert judges. All other courses are elective. Scholars are encouraged to take advanced placement or honors level courses.

Throughout the duration of their enrollment in the Classical Academy scholars are required to maintain no less than a "C" average in any subject; failure to do so in two or more, results in a probationary status. After the committee reviews scholars' quarterly grades, anyone who fails to meet this standard at the time of final grades is excluded from the program.

The goal is to offer these scholars a challenging unique opportunity with enhanced extracurricular activities within a public high school. Our teachers are encouraged to bring in guest speakers and lecturers and arrange field trips, which are tied to the curriculum. In the past, scholars have had lectures by a juvenile district court judge, a Buddhist monk and a performance by a professional storyteller/poet. Scholars have visited the Museum of Fine Arts, the John F. Kennedy Library, where they witnessed a political forum, and attended performances of *To Kill a Mockingbird* and *Julius Caesar*, just to mention a few.

Our objective is to offer scholars a rigorous program and to provide them with a foundational experience, for successful college studies. We create critical thinkers, problem-solvers and creative young adults who will meet the challenges in all their future endeavors and to become a responsible citizen.



Scholars can choose from the following classes in the following areas of concentration:

Accounting, Business, Marketing, Finance

Accounting I

Honors Accounting (Full Year)

Money Matters

Business Marketing

Entrepreneurship

Intro to Economics

AP Microeconomics (Full Year)

Culinary Arts

Introduction to Foods and Nutrition

Bake Shop

Multicultural Foods Culinary Arts (Industry Certification)

Advanced Culinary Arts

Possible Career Options:

Accounting:

Accountants, Auditors, Entrepreneurs, Bankers,
Stockbrokers, Investors, Sales and Marketing
Representatives

Culinary:

Restaurant Chef, Line Chef, Dessert Chef

Career Internship Opportunities

The purpose of the Career Internship is to provide scholars with a meaningful workplace experience working closely with a professional in a chosen field. The scholars will also participate in classes where they will build a career portfolio, including resumes, cover letters, and ultimately, letters of recommendation. The scholars will also learn about interview and job search skills as well as labor laws and their rights in the workplace. This course runs two afternoons a week from 2:15 p.m. – 5:00 p.m. Scholars will receive ½ credit per semester for satisfactory completion of all requirements. Scholars must be at least 16 years old to participate.

Additional Business Academy Opportunities

ServSafe Industry Certification

Participation in DECA

The Haverhill High School Business Academy is to provide scholars with the opportunity to integrate academic and occupational-related instruction, prepare them for success in life, education, and the 21st century marketplace in a supportive educational environment. The Business Academy will include exposure to a wide spectrum of post graduate options, marketable skills, and job related possibilities. Scholars will have the opportunity to earn industry certifications in certain classes or choose to participate in the DECA program.

To earn your academy designation at graduation you must complete the list of graduation requirements on page 6 and six (6) credits in your chosen academy electives listed below.

Selecting Classes

Scholars can select classes from the various concentrations—Accounting, Business, Marketing, Finance, Culinary Arts, or Fashion Design. They are encouraged to start with the intro classes as a freshman, if available. Please be sure to check the prerequisites of any class you choose so you can plan accordingly. Scholars should take all classes in their areas of concentration; some of which are outside the Business Academy. Please see your School Counselor or the Dean of Business Academy to help you in your selections. All scholars are encouraged to take Business Marketing, Money Matters/Personal Finance, and Business Technology. They can then choose a more defined concentration such as marketing, advertising, hospitality and tourism, sports and entertainment management, or any other courses listed or in the Program of Studies. For scholars who want to further expand their business experience and put their chosen concentration to use, choose DECA I/II (honors level). Scholars can also choose to participate in the Internship Program to enhance their experiences. Scholars will receive a ½ credit for an internship.

Vocational Skills - Retail

Through a variety of tasks within the school store, scholars receive instruction and are graded on creativity, work ethic, workplace appearance, attendance, punctuality, listening, speaking with others and interacting with co-workers and customers. They are taught transferable skills, such as how to accept direction and criticism, and are expected to motivate themselves and take initiative with their tasks.

Regarding their tasks and placement, scholars are involved in:

Customer Service: Greeting and assisting customers, recognizing when they need assistance, answering questions regarding products and pricing, working at the cash register, making change, and thanking customers for their patronage.

Money Handling: Setting up our bank at the beginning of each day, handling money throughout the day, and calculating our sales at the end of each day.

Stocking and Inventory: Organizing our products. Unpacking deliveries, folding clothing, storing and retrieving items from the cabinets for display. Counting and recording our inventory.

Displays & Marketing: Hanging clothing by item and size. Assembling accessories and products such as water bottles, sunglasses and earbuds, into baskets and onto shelves. Creating storefront displays and signs.

Cleaning: Cleaning and disinfecting counters, cabinets, display cases, windows; vacuuming, and emptying trash and recycling.

Vocational Skills - Culinary

Scholars are taught the basic skills necessary in the food service industry to be hired in entry level positions. Tasks are first demonstrated by the instructor and then performed and repeated by scholars.

Tasks taught on a daily basis include the following:

Customer Service: Greeting customers and answering questions pertaining to the menu.

Safety: Identify four (4) used for food preparation and how to use them safely.

Sanitation: Cleaning tables and counters, sweeping and mopping floors and emptying trash and recycling.

Food Preparation: Basic skills are taught to include cleaning and cutting vegetables. A variety of soups and sandwiches are also prepared.

Food Storage: ServSafe guidelines are followed in this class regarding proper cooking and storage temperature.



Career Technical Education Programs Haverhill High School

"Where hands-on-learning meets real world experience"



For those scholars interested in attending highly competitive colleges and universities we encourage CTE scholars to take advantage of Haverhill High School's rigorous Advanced Placement® courses and Early College opportunities.

CTE graduates are also well positioned to complete post-secondary certificate programs or immediately enter the high-demand STEM workforce.

Career Technical Education (CTE) programs include:

- a four-year sequence of rigorous honors level courses aligned with industry standards
- technical skill proficiency, leading to industry-recognized credentials
- competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills
- work-based learning opportunities (internships, capstone projects, clinical experience, job shadow days, business tours and guest speakers)
- college and career planning activities

All CTE Programs require an application (due in February for the following school year) but do not require an entrance exam. Both incoming freshmen and current HHS freshmen are eligible to apply.

Information Technology (CTE)

Program Description: This DESE approved Chapter 74 program provides scholars with the fundamentals of Information Technology. Through hands-on real-world projects scholars will learn: basic robotics engineering concepts; object-oriented programming; how to assemble a computer and install operating systems; PC hardware and software maintenance; how to build 3D printers and design prototypes; network architecture; cyber security and database management. Upon successful completion of this program, scholars can earn college credit through articulation agreements with local colleges.

Content: Computer and Internet Fundamentals, CISCO IT Essentials, CISCO Networking, Cyber Security, Vex Robotics, Python, 3D Printing, Databases, Cloud Computing, OSHA Workplace Safety, Entrepreneurship, College and Career Planning

Certifications: OSHA 10-hour General Industry Certification; CISCO IT Essentials Certificate of Completion, CISCO Networking Certificate of Completion

High Demand Jobs: Hardware Engineer, Help Desk Associate, Cyber Security Engineer, Network Administrator, IT Manager, Development Operations (DevOps) Engineer, Network Technician, Robotics Engineer, AI Machine Learning Engineer, Software Engineer

College Majors: Information Technology, Computer Engineering, Computer Science, Information Security, Network Security, Computer Information Systems, Electrical Engineering, Mechanical Engineering, Robotics Engineering

College and Industry Partners: HydraCor, Vicor, Ultimate Kronos Group, Juniper Networks, Lawrence General Hospital, NECC, UMass Lowell, MassHire

Computer Science and Web Development (CTE)

Program Description: This DESE approved Chapter 74 program provides scholars with an in-depth focus on programming and coding and its many applications within software, web and app development. Scholars will develop "in demand" project management skills as they work together to create: dynamic and user-friendly websites; apps to improve productivity; games for entertainment and education; code to control networks; and programs to keep computer systems safe.

Content: Computer and Internet Fundamentals, Programming with "HTML, Java Script, CSS & Python", MIT App Inventor, Front End Development, Software Development Life Cycle, Software Development, Databases, Vex Robotics, OSHA Workplace Safety, Entrepreneurship, College and Career Planning

Certifications: OSHA 10-hour General Industry Certification

High Demand Jobs: Software Engineer, Web Developer, Web Designer, Mobile Application Developer, Full Stack Developer, Front End Developer, Software Architect, Scrum Master

College Majors: Web Architecture, Web Development, Computer Science, Computer Engineering, Computer Programming, Information Systems, Software Programming

Healthcare Occupations (CTE)

Program Description: This DESE Innovation Pathway Program in Healthcare Occupations provides scholars with the fundamentals of healthcare through rigorous coursework and practical clinical experience using state of the art technology, equipment and techniques. Scholars will be prepared to provide clinical support and patient care as part of a healthcare team in a hospital, long-term care or medical office setting. The third year of Haverhill High School's Healthcare Occupations Program is a DPH approved Nurse Aide Training Program and prepares scholars for the state CNA exam.

Content: OSHA, HIPAA Laws, Professional Practices in Healthcare, Patient Activities of Daily Living, Medical Terminology, Nutrition, Anatomy and Physiology, Vital Signs, Emergency and Triage Procedures, First Aid and CPR, Medications, Clinical Lab Skills, College and Career Planning

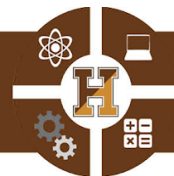
Certifications: Healthcare Provider BLS CPR/AED, First Aid for First Responders, OSHA 10-Hour General Industry (Healthcare), Alzheimer's Assn. Dementia Certification, CNA, Medical Terminology.

High Demand Jobs: Registered Nurse, Certified Nurse Assistant, Physician Assistant, Nurse Practitioner, Doctor, Physical Therapist, Medical Assistant, Dental Technician.

College Majors: (Biology, Chemistry, Physics) Nursing, Healthcare Administration and Management, Health Informatics, Community Health and Preventative Medicine, Pharmaceutical Marketing and Management, Clinical Research, Physical Therapy, Occupational Therapy, Speech Therapy

College and Industry Partners: Whittier Health Network; Lawrence General Hospital; Holy Family Hospital; UMass Lowell; NECC; MassHire; StarFire EMS; MakeIT Haverhill

	College and Industry Partners: HydraCor, Vicor, Ultimate Kronos Group, Juniper Networks, NECC, UMass Lowell.	Trinity EMS; Birthing Gently; AgeSpan, Hospice Care – Tufts Medical Care at Home; Penacook Place, Home Health VNA
Project Lead the Way Biomedical Science (CTE) Program Description: In this program students use professional lab equipment, expert guidance from teachers and their own curiosity to explore aspects of the human body, solve medical mysteries, and prepare for college and careers in biotechnology, lab sciences, and medicine. Content: Bacterial culturing; plating; and identification (Gram staining); Blood testing and typing; Dissection; DNA extraction; DNA gel electrophoresis; Fingerprint and hair analysis; Karyotyping; Applied math; Micropipetting; Microscopy; Bloodwork analysis; Blood drawing; Blood pressure measurement and analysis; Clinical empathy; Heart rate measurement and analysis; HIPAA legislation and implications understanding; Scientific terminology and abbreviation usage; Patient questioning; Record keeping and documentation; Pedigree construction and analysis; Controlled bleeding techniques; Triage; Hydrophobic Interaction Chromatography (HIC); Bacterial transformation; Quantitative Enzyme-linked Immunosorbent Assay (ELISA) analysis; Interpretation of audiograms; Blood typing; Tissue typing; OSHA Workplace Safety; Entrepreneurship; College and Career Planning Certifications: OSHA 10-hour General Industry Certification; Biotechnology Assistant Certification (BAC); CPR & First-Aid. High Demand Jobs: Lab Technician (Biotechnology and/ or Medical Labs); Nurse (RN, BSN); Physician Assistant; Doctor; Physical Therapist; Dental Assistant; Medical Technology Specialist; Forensics Scientist; Biomedical or Biotechnology Researcher; Pharmacy Technician. College Majors: Biology, Biochemistry, Biotechnology, Biomedical Engineering, Chemistry (Forensics option), Laboratory Sciences, Dental Assisting, Health Assisting, Nursing, Exercise & Health Sciences, Microbiology. College and Industry Partners: Haverhill Chamber of Commerce, MassHire.	Project Lead the Way (CTE) Engineering/Manufacturing Program Description: Students in the PLTW Engineering/Manufacturing Program use the Engineering Design Process to solve real-world problems through an exploration of mechanical engineering, electrical engineering and manufacturing concepts, as well as prepare for college and careers in multiple fields of engineering and manufacturing. Content: Create and/or modify 3D solid computer models of complex parts; Create 3D solid computer models of part assemblies; Create technical CAD drawings of complex parts and assemblies from 3D solid models; Animate a 3D solid CAD assembly model to accurately simulate mechanical motion; Create hand drawn isometric sketches; Identify errors and omission in technical sketches and drawings; Sketch a free body diagram with more than one pair of forces; Justify the validity of entries in a given decision matrix; Solve for unknown variables in a combination circuit given other components; Calculate the location of a shape's centroid; Solve for the magnitude of a vector; Solve for external and internal forces in a given truss; Determine the yield, tensile, and ultimate strengths from tensile test data; Analyze graphical data from beam deflection; Calculate current, resistance, and voltage in a circuit; Write programming code for a project involving a sequence or system of tasks; Identify and correct bugs in a program code; OSHA Workplace Safety; Entrepreneurship; College and Career Planning . Certifications: OSHA 10-hour General Industry Certification; Fusion 360. High Demand Jobs: Multiple Engineering fields - Biomedical, Chemical, Computer & Electrical, Civil, Industrial, Mechanical Engineer; Machinist; Precision Machinist; Electronics Technician; Manufacturing Specialist; CAD Specialist. College Majors: Multiple areas of Engineering - Biomedical, Chemical, Computer & Electrical, Civil, Industrial, Mechanical; Advanced Manufacturing Precision Machining; Electronic Technology; Computer Assisted Drafting. College and Industry Partners: Haverhill Chamber of Commerce, MassHire, Straumann.us.	



POSSIBLE CAREERS:	PROGRAM DESCRIPTION:	
<p>Engineering: Manufacturing, Chemical, Civil, or Mechanical Engineer, Drafter, Landscape Architect, or Surveyor</p> <p>Physical Science: Chemist, Forensics, Teacher, Product Safety Specialist, Energy Auditor, or Astronomer</p> <p>Information Technology: Cloud Architect, Computer Forensics, Health, IT Specialist, Web Developer, or Data Modeler</p> <p>Life/Health Science: Nurse's Aide, Medical Coding, Dental Assistant, X-Ray Technician, Nursing, EMT, Paramedic, Veterinarian, Physical Therapist, Exercise Sciences or Doctor</p> <p>Earth & Environmental Sciences: Meteorologist, Environmental Scientist, Oceanographer or Park Ranger</p> <p>Applied Mathematics: Financial Analyst, Cryptographer, Actuarial Scientist, Sports Statistician, or Risk Analyst</p>	<p>The Science, Technology, Engineering, and Math (STEM) Academy at Haverhill High School provides scholars with the framework, courses, and support to realize their potential for success in STEM careers. Within the STEM Academy, scholars have the opportunity to explore STEM related fields, develop 21st Century skills, and get a head start on their post-secondary education. By freshman year, many scholars have already developed an interest in STEM topics and wish to focus their high school studies in this field. STEM-related careers are expected to grow significantly in the coming years, providing tremendous opportunities for people with a strong STEM background.</p> <p>Scholars in the STEM Academy choose from among six different academic pathways: Health & Life Sciences; Engineering; Physical Sciences; Earth and Environmental Sciences; Information Technology and Applied Mathematics. The choice of a pathway and the array of electives available allow scholars to explore areas of personal interest and experience real-world applications of mathematics and science principles.</p> <p>The STEM Academy offers scholars opportunities to explore, build awareness and immerse themselves into STEM careers through field trips, guest speakers, project-based learning activities and internships. Scholars study a range of STEM topics by building an individualized schedule consisting of required and elective courses (see below). The STEM Academy is available to all scholars who are interested in science, technology, engineering, or mathematics.</p> <p>In addition to the General High School Sequence of Courses, scholars will take the following courses, depending on their area of interest. All STEM pathways require the successful completion of a minimum of six (6) courses.</p> <p>Scholars are encouraged to plan their course of study in collaboration with Guidance. Some electives have prerequisites that must be met prior to enrollment. To earn your academy designation at graduation you must complete the list of graduation requirements and six (6) credits in your chosen academy electives listed below.</p>	
<p><u>Career Internship Opportunities</u></p> <p>The purpose of the Career Internship is to provide scholars with a meaningful workplace experience working closely with a professional in a chosen field. The scholars will also participate in classes where they will build a career portfolio, including resumes, cover letters, and ultimately, letters of recommendation. The scholars will also learn about interview and job search skills as well as labor laws and their rights in the workplace. This course runs two afternoons a week from 2:15 p.m. – 5:00 p.m. Scholars will receive ½ credit per semester for satisfactory completion of all requirements. Scholars must be at least 16 years old to participate.</p>	<p><u>THE STEM PATHWAYS</u></p> <p><u>Engineering Electives</u> Chemistry AP + Lab Child Computer Science AP Calculus Physics Robotics AP Physics I</p> <p><u>Physical Science Electives</u> Chemistry AP + Lab Computer Science AP Physics C: Mechanics AP Calculus Computer-Aided Modeling# Probability and Statistics or Statistics AP Forensic Science CSI: Crime Scene Investigations</p> <p><u>Life/Health Sciences Electives</u> Biology AP Calculus Pre-Calculus Emergency Medical Technician AP Physics I</p>	<p><u>Earth & Environmental Sciences Electives</u> Environmental Science AP Physics AP Meteorology Environmental Science</p> <p><u>Applied Mathematics Electives</u> Computer Science AP Statistics AP Creative Software Solutions Intro to Programming Probability and Statistics</p> <p><u>Information Technology Electives IT</u> Computer Science AP 3D Printing Web Development and Design <u>PLTW Biomedical Science</u> Principles of Biomedical Science Human Body Systems Medical Intervention <u>PLTW Engineering</u> Introduction to Engineering Design Principles of Engineering Digital Electronics</p>



EARLY COLLEGE PROGRAM

Haverhill High School and Northern Essex Community College have partnered to provide enhanced dual enrollment offerings for students introducing them to the overall college experience, allowing them to attend classes on a college campus and work directly with college professors. The Early College Program is designed to allow HHS students the opportunity to earn college credits through Northern Essex Community College while completing all requirements for the Haverhill High School diploma. The courses offered will represent expanded subject areas to create seamless pathways of transfer credits through the Mass Transfer Block. Early College Students will have the opportunity to earn up to 30 college credits before graduation from Haverhill High.

The courses in the Early College Program pathways are free to Haverhill High School students and offer them the opportunity to enter college with a year or more of college coursework completed, saving both time and money towards earning a 4-year college degree. Those enrolled in the program will designate a pathway of Liberal Arts, Education, Business, Criminal Justice, STEM, Exploratory or Healthcare. Students will be placed in courses that follow their elected pathway, are part of the Mass Transfer Block and support long term academic planning.

Courses offered through this program are college-level courses for scholars who are looking for increased academic challenges while earning both high school and college credit. Students are recruited for the program in one of two ways. Freshman and Sophomore year scholars are identified by their teachers and recommended for the First Year Seminar course offered sophomore year at Haverhill High School. The First Year Seminar course allows scholars to explore the Early College Program and introduces strategies for personal, academic and professional success. The content focuses on strengths and self-advocacy, critical thinking, goal setting and problem solving. The second way in which individuals are recruited is through completion of their English II mid-term. Established benchmark scores, which are set by NECC, are required to be met to be eligible for participation.

All Early College designated pathway courses will be held at the NECC Haverhill campus. Students leave for the college campus at 12pm and return by 2:05pm. This schedule allows for scholars to participate in both the college courses and Haverhill High School afternoon activities such as athletics, clubs, and other events. Transportation and materials are provided for this program.



FRESHMAN ACADEMY

Overarching Goals

- Develop a culture of success. Introduce to our scholars what it means to be a Hillie and why we are G.R.E.A.T. (Global, Responsible, Engaged, Accepting, and Tenacious)
- Provide our scholars with rigorous academic instruction.
- Provide interventions/supports that are a pillar for our scholars' academic, and social emotional needs.
- Transition our scholars from middle school, and expose them to the opportunities/pathways that will lead to their college/career readiness.

Culture

Scholars participate in "Culture Week". During Culture Week, scholars learn about the core values of HHS and assist in creating classroom norms/expectations that align to our core values. Community meetings are held twice per quarter to celebrate our scholars for perfect attendance, high achieving grades. Scholars are also acknowledged at community meetings for being Global, Responsible, Engaged, Accepting, and Tenacious in and around their school community.

Instruction

Teachers are provided common planning time to create a rigorous academic curriculum that prepares their scholars to think critically, master skills required to complete tasks, and meet proficiency on the Massachusetts Comprehensive Assessment System. Teachers develop assessments that are priority standards aligned, and develop lessons using the workshop model/the gradual release of responsibility that engage their scholars in hands-on learning experiences.

Supports

Scholars are "teamed". This allows our scholars the opportunity to have the same core content teachers. As a result, teachers and counseling staff meet to discuss scholar strengths and needs, connections to school, and analyze grade reports to provide our scholars with the academic/social emotional intervention that best fits their individual needs. Scholars also participate in a social emotional curriculum weekly with the focus of building a sense of community and establishing a relationship with their teachers.

College/Career Readiness

Scholars are exposed to a multitude of college/career opportunities and are supported in the decision-making process to develop a college/career path that best fits their individual needs. Scholars attend multiple college visits that challenge them to "dream big". Scholars meet with their school counselors, complete an interest inventory, create a four-year plan and learn about GPA, class rank, and the benefits of taking a rigorous course load.



ADVANCED PLACEMENT PROGRAM

Haverhill High School offers a rich program of Advanced Placement (AP) courses designed for scholars who wish to pursue a rigorous course of study that reflects college/university expectations. There are specific prerequisites for Advanced Placement courses, which can be found within each course description.

All scholars enrolled in an AP course must take the CollegeBoard Advanced Placement Test in the course area for which they are registered. The acceptance of college credit varies from each higher education institution. If an AP scholar does not take the AP exam, he or she will receive the quality points awarded for Honors credit rather than AP credit, and class rank will be recalculated. These tests are administered at the high school in May.

Below is a list of the nineteen (19) Advanced Placement courses offered at Haverhill High School. The list includes the page number for course description of each AP course.

Course #	Course	Content Area
H0023	English Language & Composition	English
H0031	English Literature & Composition	English
H1110	European History	Humanities
H1115	United States History	Humanities
H1200	United States Government & Politics	Humanities
H2234	Calculus AB	Mathematics
H2235	Calculus BC	Mathematics
H2238	Statistics	Mathematics
H2246	Computer Science – A	Mathematics
H9671	Computer Science Principles	STEM
H3317	Biology	Science
H3343	Chemistry	Science
H3330	Physics I	Science
H3336	Environmental Science	Science
H5526	Art History	Fine Arts
H5527	Studio Art	Fine Arts
H6627	Microeconomics	School to Career/Business
H4761	Spanish Language and Composition	World Languages
H4496	Latin	World Languages

HAVERHILL HIGH SCHOOL

COURSE OFFERINGS 2023-2024

ENGLISH (pages 31 – 37)

FRESHMAN ENGLISH PROGRAM

COURSE	COURSE#	GRADE	CREDIT	TERM
ENGLISH I HONORS ACCELERATED	CRS H9717	GR 9	CR 1	Y
ENGLISH I HONORS	CRS H0001	GR 9	CR 1	Y
ENGLISH I CP	CRS H0003	GR 9	CR 1	Y
FUNDAMENTALS OF ENGLISH I	CRS H8005	GR 9	CR 1	Y
INTERVENTION BLOCK: GR 9 ELA	CRS INT9E	GR 9	CR ½	S

SOPHOMORE ENGLISH PROGRAM

COURSE	COURSE#	GRADE	CREDIT	TERM
ENGLISH II HONORS ACCELERATED	CRS H9718	GR 10	CR 1	Y
ENGLISH II HONORS	CRS H0009	GR 10	CR 1	Y
ENGLISH II CP	CRS H0011	GR 10	CR 1	Y
FUNDAMENTALS OF ENGLISH II	CRS H8007	GR 10	CR 1	Y
INTERVENTION BLOCK: GR 10 ELA	CRS INT10E	GR 10	CR ½	S

JUNIOR ENGLISH PROGRAM

COURSE	COURSE#	GRADE	CREDIT	TERM
AP ENGLISH LITERATURE & COMPOSITION	CRS H0031	GR 11 – 12	CR 1	Y
ENGLISH III HONORS	CRS H0017	GR 11	CR 1	Y
ENGLISH III CP	CRS H0019	GR 11	CR 1	Y
FUNDAMENTALS OF ENGLISH III	CRS H8009	GR 11	CR 1	Y
ENGLISH COMPOSITION I <small>DUAL ENROLLMENT - NECC</small>	CRS H0026E	GR 11	CR 1	S

SENIOR ENGLISH PROGRAM

COURSE	COURSE#	GRADE	CREDIT	TERM
AP ENGLISH LITERATURE & COMPOSITION	CRS H0023	GR 11 – 12	CR 1	Y
ENGLISH IV HONORS	CRS H0025	GR 12	CR 1	Y
ENGLISH IV CP	CRS H0027	GR 12	CR 1	Y
FUNDAMENTALS OF ENGLISH IV	CRS H8011	GR 12	CR 1	Y
ENGLISH COMPOSITION I <small>DUAL ENROLLMENT - NECC</small>	CRS H0030E	GR 11 – 12	CR 1	S

ENGLISH LANGUAGE EDUCATION

COURSE	COURSE#	GRADE	CREDIT	TERM
ELD READING AND WRITING I	CRS H0025	GR 9 – 12	CR 1	Y
ELD READING AND WRITING II	CRS H0026	GR 9 – 12	CR 1	Y
ELD READING AND WRITING III	CRS H0027	GR 9 – 12	CR 1	Y
ELD READING AND WRITING IV	CRS H0028	GR 9 – 12	CR 1	Y
ELD READING AND WRITING V	CRS H0029	GR 9 – 12	CR 1	Y
ELD ADVANCED WRITING V	CRS H9903	GR 9 – 12	CR 1	Y
ELD ADVANCED READING V	CRS H9706	GR 9 – 12	CR 1	Y
ELD ENGLISH LITERACY	CRS H9009	GR 9 – 12	CR 1	Y
REAL MATH I	CRS H7346	GR 9 – 12	CR 1	Y
REAL SCIENCE	CRS H7345	GR 9 – 12	CR 1	Y
REAL MATH II	CRS H9707	GR 9 – 12	CR 1	Y
REAL SCIENCE II	CRS H9708	GR 9 – 12	CR 1	Y
REAL LITERACY II	CRS H7344	GR 9 – 12	CR 1	Y

ENGLISH ELECTIVES

COURSE	COURSE#	GRADE	CREDIT	TERM
BROADCAST JOURNALISM	CRS H0023	GR 10 – 12	CR ½	S
CREATIVE WRITING	CRS H0025	GR 10 – 12	CR ½	S
JOURNALISM	CRS H0027	GR 10 – 12	CR 1	Y
PUBLIC SPEAKING	CRS J8011	GR 10 – 12	CR ½	S
YEARBOOK PUBLISHING	CRS H9703	GR 11 – 12	CR ½	S

HISTORY

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COURSE	COURSE#	GRADE	CREDIT	TERM
AP EUROPEAN HISTORY	CRS H1110	GR 10 – 12	CR 1	Y
AP U.S. HISTORY	CRS H1115	GR 11	CR 1	Y
ELD U.S. HISTORY I CP	CRS H1120	GR 10	CR 1	Y
ELD U.S. HISTORY II CP	CRS H1122	GR 11	CR 1	Y
ELD WORLD HISTORY II CP	CRS H1108	GR 9	CR 1	Y
FUNDAMENTALS OF U.S. HISTORY I	CRS H8190	GR 10	CR 1	Y
FUNDAMENTALS OF U.S. HISTORY II	CRS H8125	GR 11	CR 1	Y
FUNDAMENTALS OF WORLD HISTORY II	CRS H8123	GR 9	CR 1	Y
U.S. HISTORY I CP	CRS H8124	GR 10	CR 1	Y
U.S. HISTORY I HONORS	CRS H1126	GR 10	CR 1	Y
U.S. HISTORY II CP	CRS H1119	GR 11	CR 1	Y
U.S. HISTORY II HONORS	CRS H1117	GR 11	CR 1	Y
U.S. HISTORY (HIS 101) DUAL ENROLLMENT – NECC	CRS H1122EC	GR 11	CR 1	Y
WORLD HISTORY II CP	CRS H1111	GR 9	CR 1	Y
WORLD HISTORY II HONORS	CRS H1109	GR 9	CR 1	Y

HISTORY ELECTIVES

COURSE	COURSE#	GRADE	CREDIT	TERM
A CLASSICAL PERSPECTIVE LITERATURE <i>(Classical Academy Only)</i>	CRS H9600	GR 9	CR ½	S
AMERICAN HISTORY THROUGH FILM	CRS H9719	GR 10 – 12	CR ½	S
AP U.S. GOVERNMENT AND POLITICS	CRS H1200	GR 11 – 12	CR 1	Y
CHILD PSYCHOLOGY I CP	CRS H1645	GR 11 – 12	CR ½	S
CHILD PSYCHOLOGY I HONORS	CRS H1648	GR 11 – 12	CR ½	S
CHILD PSYCHOLOGY II: WORKING WITH CHILDREN CP	CRS H1662	GR 11 – 12	CR ½	S
CHILD PSYCHOLOGY II: WORKING WITH CHILDREN HONORS	CRS H1663	GR 11 – 12	CR ½	S
CLASSICAL CAPSTONE SEMINAR <i>(Classical Academy Only)</i>	CRS H1145	GR 11 – 12	CR ½	S
CLASSICAL GRECO-ROMAN MYTHOLOGY AND CULTURE	CRS H1655	GR 9 – 12	CR ½	S
CONSTITUTIONAL LAW CP	CRS H1133	GR 11 – 12	CR 1	Y
CONSTITUTIONAL LAW HONORS	CRS H1134	GR 11 – 12	CR 1	Y
CRIMINAL JUSTICE	CRS H1657	GR 11 – 12	CR ½	S
GENDER STUDIES CP	CRS H9674	GR 11 – 12	CR ½	S
GENDER STUDIES HONORS	CRS H9610	GR 11 – 12	CR ½	S
HISTORY OF THE CITY OF HAVERHILL	CRS H1125	GR 9 – 12	CR ½	S
INTERNATIONAL RELATIONS CP	CRS H1135	GR 10 – 12	CR ½	S
INTERNATIONAL RELATIONS HONORS	CRS H1139	GR 10 – 12	CR ½	S
INTRO INTO PSYCHOLOGY DUAL ENROLLMENT - NECC	CRS H1144EC	GR 12	CR 1	S

INTRO TO CRIMINAL JUSTICE <small>DUAL ENROLLMENT – NECC</small>	CRS H1661EC	GR 11 – 12	CR 1	S
INTRODUCTION TO GOVERNMENT CP	CRS H1154	GR 9 – 12	CR ½	S
INTRODUCTION TO GOVERNMENT HONORS	CRS H1159	GR 9 – 12	CR ½	S
JUSTICE AND SOCIETY	CRS H1666	GR 11 – 12	CR ½	S
MOCK TRIAL CP	CRS H1654	GR 9 – 12	CR ½	S
MOCK TRIAL HONORS	CRS H1656	GR 9 – 12	CR ½	S
PHILOSOPHY	CRS H1651	GR 10 – 12	CR ½	S
PSYCHOLOGY	CRS H1127	GR 11 – 12	CR ½	S
PSYCHOLOGY HONORS	CRS H1130	GR 11 – 12	CR ½	S
SOCIOLOGY	CRS H1641	GR 10 – 12	CR ½	S
THE HOLOCAUST AND CRIMES AGAINST HUMANITIES	CRS H1140	GR 10 – 12	CR ½	S
WORLD GEOGRAPHY	CRS H1123	GR 10 – 12	CR ½	S

MATHEMATICS

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COURSE	COURSE#	GRADE	CREDIT	TERM
ADVANCED QUANTITATIVE REASONING	CRS H2263	GR 11 – 12	CR 1	Y
ALGEBRA & TRIGONOMETRY: A FUNCTIONS APPROACH	CRS H2258	GR 11 – 12	CR 1	Y
ALGEBRA I CP	CRS H2209	GR 9	CR 1	Y
ALGEBRA I HONORS	CRS H2207	GR 9	CR 1	Y
ALGEBRA II CP	CRS H2225	GR 10 – 12	CR 1	Y
ALGEBRA II HONORS	CRS H2223	GR 10 – 12	CR 1	Y
AP STATISTICS	CRS H2238	GR 10 – 12	CR 1	Y
AP CALCULUS - AB	CRS H2234	GR 11 – 12	CR 1	Y
AP CALCULUS - BC	CRS H2235	GR 11 – 12	CR 1	Y
CALCULUS HONORS	CRS H2232	GR 12	CR 1	Y
AP COMPUTER SCIENCE –A	CRS H2246	GR 11 – 12	CR 1	Y
ELD ALGEBRA I CP	CRS H2277	GR 9	CR 1	Y
ELD GEOMETRY CP	CRS H2279	GR 10 – 12	CR 1	Y
FUNDAMENTALS OF ALGEBRA	CRS H8239	GR 9	CR 1	Y
FUNDAMENTALS OF GEOMETRY	CRS H8237	GR 10	CR 1	Y
FUNDAMENTALS OF ALGEBRA II	CRS H8292	GR 11	CR 1	Y
FUNDAMENTALS OF MATH 12	CRS H8234	GR 12	CR 1	Y
GEOMETRY CP	CRS H2217	GR 10 – 11	CR 1	Y
GEOMETRY HONORS	CRS H2215	GR 9 – 11	CR 1	Y
INTERVENTION BLOCK: GR 9 MATH	CRS INT9M	GR 9	CR ½	S
INTERVENTION BLOCK: GR 10 MATH	CRS INT10M	GR 10	CR ½	S
PRECALCULUS HONORS	CRS H2229	GR 11 – 12	CR 1	Y
PROBABILITY AND STATISTICS	CRS H2237	GR 11 – 12	CR 1	Y

SCIENCE AND ENGINEERING

(pages 50 – 54)

COURSE	COURSE#	GRADE	CREDIT	TERM
ANATOMY & PHYSIOLOGY CP	CRS H3331	GR 10 – 12	CR 1	Y
ANATOMY & PHYSIOLOGY HONORS	CRS H3332	GR 10 – 12	CR 1	Y
AP BIOLOGY	CRS H3317	GR 11 – 12	CR 1	Y
AP BIOLOGY LAB	CRS H3317L	GR 11 – 12	CR 1	Y
AP CHEMISTRY	CRS H3324	GR 11 – 12	CR 1	Y
AP CHEMISTRY LAB	CRS H3324L	GR 10 – 12	CR 1	Y
AP ENVIRONMENTAL SCIENCE	CRS H3336	GR 11 – 12	CR 1	Y
AP PHYSICS I	CRS H3328	GR 11 – 12	CR 1	Y
BIOLOGY CP	CRS H3315	GR 9	CR 1	Y
BIOLOGY HONORS	CRS H3313	GR 9	CR 1	Y
CHEMISTRY CP	CRS H3321	GR 10 – 12	CR 1	Y
CHEMISTRY HONORS	CRS H3319	GR 10 – 12	CR 1	Y
CSI: CRIME SCENE INVESTIGATION	CRS H3373	GR 10 – 12	CR ½	S
EARTH SCIENCE CP	CRS H3309	GR 10 – 12	CR 1	Y
EARTH SCIENCE HONORS	CRS H3308	GR 10 – 12	CR 1	Y
INTRODUCTION TO PRINCIPLES OF BIOMEDICAL SCIENCE	CRS H3434	GR 9 – 11	CR 1	Y
EMERGENCY MEDICAL TECHNICIAN (EMT)	CRS H8881	GR 12	CR 2	Y
ENVIRONMENTAL SCIENCE CP	CRS H3335	GR 10 – 12	CR ½	S
FORENSIC SCIENCE	CRS H3372	GR 10 – 12	CR ½	S
FUNDAMENTALS OF BIOLOGY	CRS H8355	GR 9	CR 1	Y
FUNDAMENTALS OF ENVIRONMENTAL SCIENCE	CRS H8358	GR 11	CR 1	Y
INTERVENTION BLOCK: GR 9 BIO	CRS INT9B	GR 9	CR ½	S
INTRODUCTION TO PROGRAMMING	CRS H2243	GR 10 – 12	CR ½	S
METEOROLOGY CP	CRS H3349	GR 10 – 12	CR ½	S
PHYSICS CP	CRS H3327	GR 10 – 12	CR 1	Y
PHYSICS HONORS	CRS H3325	GR 10 – 12	CR 1	Y
CTE PLTW BIOMEDICAL INNOVATION HONORS (CAPSTONE)	CRS H9691 CTE	GR 12	CR 1	Y
CTE PLTW MEDICAL INTERVENTIONS HONORS	CRS H3439	GR 11 – 12	CR 1	Y
CTE PLTW HUMAN BODY SYSTEMS HONORS	CRS H3435	GR 10	CR 1	Y
CTE PLTW PRINCIPLES OF BIOMEDICAL SCIENCE HONORS	CRS H3432	GR 9	CR 1	Y
CTE PLTW PRINCIPLES OF ENGINEERING HONORS	CRS H9657	GR 11 – 12	CR 1	Y
CTE PLTW INTRODUCTION TO ENGINEERING DESIGN HONORS	CRS H9658	GR 9 – 10	CR 1	Y
FUNDAMENTALS OF ECOSYSTEMS & ENVIRONMENTS	CRS H9700	GR 10	CR 1	Y
ECOSYSTEMS & ENVIRONMENTS	CRS H3443	GR 10 – 11	CR 1	Y

STEM TECHNOLOGY

(pages 55 – 56)

COURSE	COURSE#	GRADE	CREDIT	TERM
3D PRINTING	CRS H6652	GR 11 – 12	CR ½	S
AP COMPUTER SCIENCE –A	CRS H2246	GR 11 – 12	CR 1	Y
AP COMPUTER SCIENCE PRINCIPLES	CRS H9671	GR 11 – 12	CR 1	Y
COMPUTER APPLICATIONS (CIS11) DUAL ENROLLMENT - NECC	CRS H6138EC	GR 9 – 12	CR ½	S
COMPUTER TECHNOLOGY	CRS H6601	GR 9 – 12	CR ½	S
GAME DESIGN I	CRS H6636	GR 10 – 12	CR ½	S
INTRODUCTION TO PROGRAMMING	CRS H2243	GR 10 – 12	CR ½	S
ROBOTICS	CRS H2280	GR 10 – 12	CR ½	S
WEB DEVELOPMENT AND DESIGN I	CRS H6632	GR 10 – 12	CR ½	S

CAREER TECHNICAL EDUCATION CTE

CTE HEALTHCARE OCCUPATIONS PROGRAM REQUIRED COURSES

(pages 56 – 58)

COURSE	COURSE#	GRADE	CREDIT	TERM
CTE FUNDAMENTALS OF HEALTHCARE OCCUPATIONS I HONORS S1	CRS H9692 CTE	GR 9	CR ½	S1
CTE FUNDAMENTALS OF HEALTHCARE OCCUPATIONS I HONORS S2	CRS H9693 CTE	GR 9	CR ½	S2
CTE PROFESSIONALISM IN HEALTHCARE OCCUPATIONS II HONORS	CRS H9623	GR 10	CR 1	Y
CTE NURSE AIDE TRAINING COURSE (DPH APPROVED) HEALTHCARE OCCUPATIONS III HONORS	CRS H9624	GR 11	CR 2	Y
CTE HEALTHCARE OCCUPATIONS IV HONORS	CRS H9625	GR 12	CR ½	S
CTE HEALTHCARE OCCUPATIONS CAPSTONE	CRS H9627	GR 12	CR ½	S

CVTE

CTE INFORMATION TECHNOLOGY PROGRAM REQUIRED COURSES

(pages 58 – 59)

COURSE	COURSE#	GRADE	CREDIT	TERM
CVTE INFORMATION TECHNOLOGY: INTRODUCTION TO PROGRAMMING	CRS H9652	GR 10	CR ½	S1
CVTE INFORMATION TECHNOLOGY: 3D PRINTING HONORS	CRS H9654	GR 11	CR ½	S2
CVTE INFORMATION TECHNOLOGY: ADVANCED NETWORKING AND SECURITY HONORS	CRS H9677	GR 12	CR ½	S
CVTE INFORMATION TECHNOLOGY: CAPSTONE PROJECT HONORS	CRS H9668	GR 12	CR ½	S2

CVTE INFORMATION TECHNOLOGY: CISCO IT ESSENTIALS HONORS	CRS H9675	GR 10	CR 1	Y
CVTE INFORMATION TECHNOLOGY: CISCO INTRODUCTION TO NETWORKS HONORS	CRS H9676	GR 11	CR 1	Y
CVTE-INFORMATION TECHNOLOGY: DATABASE DESIGN HONORS	CRS H9667	GR 12	CR ½	S1
CVTE-INFORMATION TECHNOLOGY: ENTREPRENEURSHIP HONORS	CRS H9678	GR 12	CR ½	S
CVTE-INFORMATION TECHNOLOGY: PRINCIPLES OF IT HONORS	CRS H9653	GR 9	CR 1	Y

CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT PROGRAM REQUIRED COURSES
(pages 60 – 61)

COURSE	COURSE#	GRADE	CREDIT	TERM
AP COMPUTER SCIENCE –A	CRS H2246	GR 11 – 12	CR 1	Y
AP COMPUTER SCIENCE PRINCIPLES	CRS H9671	GR 11 – 12	CR 1	Y
CVTE INFORMATION TECHNOLOGY: INTRODUCTION TO PROGRAMMING HONORS	CRS H9652	GR 10	CR ½	S1
CVTE INFORMATION TECHNOLOGY: PRINCIPLES OF IT HONORS	CRS H9653	GR 9	CR 1	Y
CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT: CAPSTONE PROJECT HONORS	CRS H9694CTE	GR 12	CR ½	S2
CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT GRADE 10: PYTHON PROGRAMMING HONORS	CRS H9695CTE	GR 10	CR ½	S2
CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT GRADE 11: FUNDAMENTALS OF WEB DEVELOPMENT HONORS	CRS H9696CTE	GR 11	CR 1	Y
CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT ENTREPRENEURSHIP HONORS	CRS H9697CTE	GR 12	CR ½	S
CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT SOFTWARE DEVELOPMENT & DATABASES HONORS	CRS H9698CTE	GR 12	CR 1	Y

CTE PLTW BIOMEDICAL SCIENCE PROGRAM REQUIRED COURSES
(pages 61 – 62)

COURSE	COURSE #	GRADE	CREDIT	TERM
CTE PLTW PRINCIPLES OF BIOMEDICAL SCIENCE HONORS	CRS H3432	GR 9	CR 1	Y
CTE PLTW HUMAN BODY SYSTEMS HONORS	CRS H3435	GR 10	CR 1	Y
CTE PLTW MEDICAL INTERVENTIONS HONORS	CRS H3439	GR 11 – 12	CR 1	Y

CTE PLTW ENGINEERING/MANUFACTURING PROGRAM REQUIRED COURSES
(page 62)

COURSE	COURSE #	GRADE	CREDIT	TERM
CTE PLTW PRINCIPLES OF ENGINEERING HONORS	CRS H9657	GR 11 – 12	CR 1	Y
CTE PLTW INTRODUCTION TO ENGINEERING DESIGN HONORS	CRS H9658	GR 9 – 10	CR 1	Y
CTE PLTW DIGITAL ELECTRONICS HONORS	CRS H9659	GR 11 – 12	CR 1	Y

INTERNSHIP PROGRAM

(page 62)

COURSE	COURSE#	GRADE	CREDIT	TERM
INTERNSHIP COLLEGE PREP	CRS H6694	GR 11 – 12	CR ½	S
INTERNSHIP HONORS	CRS H6694 CTE	GR 11 – 12	CR 1/2	S

WORLD LANGUAGES

(pages 63 – 66)

COURSE	COURSE#	GRADE	CREDIT	TERM
AP LATIN	CRS H4496	GR 12	CR 1	Y
AP SPANISH LANGUAGE & COMPOSITION	CRS H4761	GR 11 – 12	CR 1	Y
CLASSICAL GREEK I HONORS	CRS H4497	GR 10 – 12	CR 1	Y
CLASSICAL GREEK II HONORS	CRS H4500	GR 10 – 12	CR 1	Y
CLASSICAL GREEK III HONORS	CRS H4499	GR 11 – 12	CR 1	Y
FRENCH I CP	CRS H4405	GR 9 – 12	CR 1	Y
FRENCH I HONORS	CRS H4403	GR 9 – 12	CR 1	Y
FRENCH II CP	CRS H4409	GR 9 – 12	CR 1	Y
FRENCH II HONORS	CRS H4407	GR 9 – 12	CR 1	Y
FRENCH III HONORS	CRS H4411	GR 10 – 12	CR 1	Y
FRENCH IV HONORS	CRS H4415	GR 11 – 12	CR 1	Y
ITALIAN I CP	CRS H4437	GR 9 – 12	CR 1	Y
ITALIAN I HONORS	CRS H4435	GR 9 – 12	CR 1	Y
ITALIAN II CP	CRS H4441	GR 9 – 12	CR 1	Y
ITALIAN II HONORS	CRS H4439	GR 9 – 12	CR 1	Y
ITALIAN III HONORS	CRS H4443	GR 10 – 12	CR 1	Y
ITALIAN IV HONORS	CRS H4445	GR 11 – 12	CR 1	Y
LATIN I HONORS	CRS H4483	GR 9 – 12	CR 1	Y
LATIN II HONORS	CRS H4487	GR 9 – 12	CR 1	Y
LATIN III HONORS	CRS H4491	GR 10 – 12	CR 1	Y
LATIN III HONORS ACCELERATED	CRS H4490	GR 11 – 12	CR 1	Y
LATIN IV HONORS	CRS H4493	GR 11 – 12	CR 1	Y
SPANISH I CP	CRS H4463	GR 9 – 12	CR 1	Y
SPANISH I HONORS	CRS H4461	GR 9 – 12	CR 1	Y
SPANISH II CP	CRS H4467	GR 9 – 12	CR 1	Y
SPANISH III HONORS	CRS H4469	GR 10 – 12	CR 1	Y
SPANISH IV HONORS	CRS H4473	GR 11 – 12	CR 1	Y

FINE ARTS

(pages 67 – 73)

VISUAL ARTS

COURSE	COURSE#	GRADE	CREDIT	TERM
A CLASSICAL PERSPECTIVE – STUDIO (<i>Classical Academy Only</i>)	CRS H9601	GR 9	CR ½	S
ADVANCED CERAMICS	CRS H9705	GR 10 – 12	CR ½	S
ADVANCED JEWELRY/METALSMITHING	CRS H5512	GR 10 – 12	CR ½	S
ADVANCED PHOTOGRAPHY	CRS H5518	GR 11 – 12	CR ½	S
ADVANCED STUDIO DRAWING	CRS H5519	GR 10 – 12	CR ½	S
ADVANCED STUDIO PAINTING	CRS H5523	GR 10 – 12	CR ½	S
AP ART HISTORY	CRS H5526	GR 11 – 12	CR 1	Y
AP STUDIO ART	CRS H5599	GR 11 – 12	CR 1	Y
BOOKMAKING	CRS H9702	GR 10 – 12	CR ½	S
CERAMICS I	CRS H5513	GR 10 – 12	CR ½	S
CERAMICS II	CRS H5514	GR 10 – 12	CR ½	S
DIGITAL DESIGN WORKSHOP I	CRS H9612	GR 10 – 12	CR ½	S
DIGITAL DESIGN WORKSHOP II	CRS H9613	GR 11 – 12	CR ½	S
FOUNDATIONS IN ART	CRS H5501	GR 9 – 12	CR ½	S
INTRODUCTION TO FASHION CONSTRUCTION	CRS H6679	GR 10 – 12	CR ½	S
GRAPHIC DESIGN	CRS H9704	GR 10 – 12	CR ½	S
ADVANCED FASHION CONSTRUCTION	CRS H6681	GR 10 – 12	CR ½	S
JEWELRY MAKING/METALSMITHING	CRS H5511	GR 10 – 12	CR ½	S
PHOTOGRAPHY I	CRS H5515	GR 9 – 12	CR ½	S
PHOTOGRAPHY II	CRS H5517	GR 10 – 12	CR ½	S
PRINTMAKING	CRS H5502	GR 9 – 12	CR ½	S
SCULPTURE & 3-D DESIGN	CRS H5504	GR 10 – 12	CR ½	S
STUDIO DRAWING	CRS H5505	GR 9 – 12	CR ½	S
STUDIO PAINTING	CRS H5507	GR 9 – 12	CR ½	S

MUSIC AND PERFORMING ARTS

COURSE	COURSE#	GRADE	CREDIT	TERM
A CAPPELLA HONORS	CRS H5560	GR 9 – 12	CR 1	Y
ACTING I	CRS H5584	GR 10 – 12	CR ½	S
ACTING II	CRS H5592	GR 10 – 12	CR ½	S
ADVANCED FILMMAKING	CRS H5535	GR 10 – 12	CR ½	S
AP MUSIC THEORY	CRS H5566	GR 11 – 12	CR 1	Y
BAND	CRS H5563	GR 9 – 12	CR 1	Y
BEGINNING BAND	CRS H5561	GR 9	CR ½	S
FOUNDATIONS OF THEATRE	CRS H5530	GR 9 – 12	CR ½	S
GUITAR WORKSHOP	CRS H5571	GR 9 – 12	CR ½	S

HISTORY OF FILM	CRS H5532	GR 9 – 12	CR ½	S
HISTORY OF ROCK AND ROLL	CRS H5572	GR 10 – 12	CR ½	S
IMPROVISATION	CRS H5587	GR 9 – 12	CR ½	S
INTRODUCTION TO FILMMAKING	CRS H5534	GR 9 – 12	CR ½	S
INTRODUCTION TO MUSIC SOFTWARE	CRS H5578	GR 10 – 12	CR ½	S
JAZZ BAND HONORS	CRS H5565	GR 9 – 12	CR 1	Y
PIANO WORKSHOP	CRS H5574	GR 9 – 12	CR ½	S
MIXED CHORUS	CRS H5551	GR 9 – 12	CR 1	Y
MOVEMENT FOR THEATRE	CRS H5531	GR 10 – 12	CR ½	S
MUSIC EXPLORATION	CRS H5590	GR 9 – 12	CR ½	S
PRE-AP THEATRE	CRS H5533	GR 9 – 11	CR ½	S
THEATRICAL DESIGN	CRS H5597	GR 9 – 12	CR 1	Y
VOICE IN ACTING	CRS H5593	GR 10 – 12	CR ½	S
WORLD DRUM ENSEMBLE	CRS H8849	GR 9 – 12	CR ½	S

BUSINESS ACADEMY

(pages 74 – 75)

ACCOUNTING AND BUSINESS ELECTIVES

COURSE	COURSE#	GRADE	CREDIT	TERM
AP MICROECONOMICS	CRS H6627	GR 11 – 12	CR 1	Y
ACCOUNTING HONORS	CRS H6631	GR 11 – 12	CR 1	Y
ACCOUNTING I	CRS H6619	GR 9 – 12	CR ½	Y
BUSINESS MARKETING	CRS H6613	GR 9 – 12	CR ½	S
ENTREPRENEURSHIP	CRS H6615	GR 10 – 12	CR ½	S
INTRODUCTION TO ECONOMICS	CRS H6625	GR 9 – 12	CR ½	S
MONEY MATTERS	CRS H6628	GR 10 – 12	CR ½	S
FUNDAMENTALS OF VOCATIONAL SKILLS RETAIL	CRS H8665S	GR 9 – 12	CR ½	S
FUNDAMENTALS OF VOCATIONAL SKILLS CULINARY	CRS H8665C	GR 9 – 12	CR ½	S
INTRODUCTION TO BUSINESS	CRS H6603	GR 9 – 10	CR ½	S

CULINARY ELECTIVES

COURSE	COURSE#	GRADE	CREDIT	TERM
ADVANCED CULINARY ARTS	CRS H6674	GR 10 – 12	CR ½	S
BAKE SHOP	CRS H6675	GR 10 – 12	CR ½	S
CULINARY ARTS	CRS H6673	GR 10 – 12	CR ½	S
INTRODUCTION TO FOODS & NUTRITION	CRS H6671	GR 9 – 12	CR ½	S
MULTICULTURAL FOODS	CRS H6677	GR 10 – 12	CR ½	S

WELLNESS

(pages 76 – 78)

COURSE	COURSE#	GRADE	CREDIT	TERM
ADAPTIVE HEALTH	CRS H8767	GR 10 – 12	CR ½	S
UNIFIED PHYSICAL EDUCATION	CRS H9689	GR 9 – 12	CR ½	S
HEALTH I	CRS H7729	GR 9 – 12	CR ½	S
HEALTH II	CRS H7730	GR 10 – 12	CR ½	S
PHYSICAL EDUCATION I	CRS H7726	GR 9 – 12	CR ½	S

PHYSICAL EDUCATION ELECTIVES

Must take one of the following to earn second required physical education credit.

COURSE	COURSE#	GRADE	CREDIT	TERM
LIFEGUARDING	CRS H7736	GR 10 – 12	CR ½	S
LIFETIME & RECREATIONAL ACTIVITIES	CRS H7737	GR 10 – 12	CR ½	S
TEAM SPORTS	CRS H7707	GR 10 – 12	CR ½	S
YOGA	CRS H7738	GR 10 – 12	CR ½	S
PERSONAL HEALTH AND FITNESS	CRS H7712	GR 10 – 12	CR ½	S
AQUATICS	CRS H9701	GR 10 – 12	CR ½	S

ADDITIONAL WELLNESS ELECTIVES

Please note: The following credits do not count toward the physical education graduation requirement.

COURSE	COURSE#	GRADE	CREDIT	TERM
ADDICTIONS	CRS H7716	GR 11 – 12	CR ½	S
FIRST AID AND CPR	CRS H7713	GR 11 – 12	CR ½	S

SPECIAL EDUCATION (pages 79 - 80)

COURSE	COURSE#	GRADE	CREDIT	TERM
INSTRUCTIONAL STRATEGIES	CRS H8874	GR 9 – 12	CR 1	Y
TRANSITION SEMINAR	CRS H9583	GR 11 – 12	CR 1	Y
FUNDAMENTALS OF DAILY LIVING SKILLS	CRS H9274	GR 9 – 12	CR 1	Y
FUNCTIONAL ENGLISH 9	CRS H9211	GR 9	CR 1	Y
FUNCTIONAL ENGLISH 10	CRS H9212	GR 10	CR 1	Y
FUNCTIONAL ENGLISH 11	CRS H9213	GR 11	CR 1	Y
FUNCTIONAL ENGLISH 12	CRS H9214	GR 12	CR 1	Y
FUNCTIONAL MATH 9	CRS H9221	GR 9	CR 1	Y
FUNCTIONAL MATH 10	CRS H9222	GR 10	CR 1	Y
FUNCTIONAL MATH 11	CRS H9223	GR 11	CR 1	Y
FUNCTIONAL MATH 12	CRS H9224	GR 12	CR 1	Y
FUNCTIONAL SOCIAL STUDIES 9	CRS H9241	GR 9	CR 1	Y
FUNCTIONAL SOCIAL STUDIES 10	CRS H9242	GR 10	CR 1	Y
FUNCTIONAL SOCIAL STUDIES 11	CRS H9243	GR 11	CR 1	Y
FUNCTIONAL SOCIAL STUDIES 12	CRS H9244	GR 12	CR 1	Y
FUNCTIONAL SCIENCE 9	CRS H9231	GR 9	CR 1	Y
FUNCTIONAL SCIENCE 10	CRS H9232	GR 10	CR 1	Y
FUNCTIONAL SCIENCE 11	CRS H9233	GR 11	CR 1	Y
FUNCTIONAL SCIENCE 12	CRS 9234	GR 12	CR 1	Y

LEADERSHIP EDUCATION (MARINE CORP JROTC)
(page 81)

COURSE	COURSE#	GRADE	CREDIT	TERM
USMC JROTC I	CRS H6696	GR 9 – 12	CR 1	Y
USMC JROTC II	CRS H6697	GR 10 – 12	CR 1	Y
USMC JROTC III	CRS H6698	GR 11 – 12	CR 1	Y
USMC JROTC IV	CRS H6699	GR 12	CR 1	Y

COURSE DESCRIPTIONS ENGLISH

Whether scholars plan to attend college upon graduation or to move directly into the workplace, they need strong communication tools. The English Department offers an array of courses to help scholars develop the necessary skills for success in the 21st century. All English classes engage scholars in reading, writing, speaking, and listening. Scholars read a range of complex texts, learn to cite evidence, analyze information, write effectively for a variety of purposes and audiences, and conduct meaningful research. In addition to giving and receiving feedback, scholars learn more about the basic traits of writing – ideas, organization, voice, word choice, sentence fluency, conventions, and presentation. Scholars also improve their language skills by learning principles of grammar and acquiring new vocabulary.

The English courses at Haverhill High School align with the Massachusetts Common Core Standards for English Language Arts. All scholars at Haverhill High School are required to pass four years of English. The English Department is committed to helping all scholars achieve high academic standards. The department nurtures and challenges scholars, encouraging them to express their ideas clearly and to think critically about the world around them. The course offerings in the ELA curriculum enable scholars to become stronger readers, writers, speakers, listeners, and thinkers.

GRADE 9 ENGLISH

The Freshman English Program stresses competence in reading, writing, speaking and listening. The study of literature includes short stories, novels, poetry, nonfiction writing, and a Shakespearean play. In addition to materials assigned for class study and discussion, outside reading assignments are required. Specific writing assignments will be used as a basis for developing and improving a scholar's writing competence. In preparation for success in high school and on state mandated tests, scholars develop study and organizational skills, practice answering and supporting open-ended questions, write often to a variety of prompts, and learn to self-assess and revise their written work.

ENGLISH I HONORS ACCELERATED

CRS H9717

GR 9

CR 1 Y

English I Honors Accelerated will mirror the English I Curriculum Frameworks, with a foundation of Classical and Classic literature, along with modern supplements. Students enrolled in this course will engage in critical reading of both class and independent selections, as well as a variety of writing styles throughout the year. This course is required for students in Classical Academy, but may be opened to any scholar with exemplary ELA skills or with a recommendation from their 8th grade teacher.

ENGLISH I HONORS

CRS H0001

GR 9

CR 1 Y

Scholars entering English I Honors comprehend literary and informational texts at or above grade level. Throughout the course they will read and analyze difficult literary and informational texts independently. Texts covered include *Romeo & Juliet*, *The Central Park Five*, *A Tale of Two Cities*, and the *Serial* podcast among others. This course will also develop and enhance student writing. Scholars will discuss model essay samples; create essays with the goal of structural, grammatical and mechanical integrity in the final drafts; and successfully and insightfully participate in class discussions, projects and presentations, demonstrating skill in the utilization of a variety of resources. The Classical Academy version includes thematic links to all of the Honors program's classes, with specific connections to Classics courses (Classical Perspectives and Latin).

ENGLISH I CP

CRS H0003

GR 9

CR 1 Y

Scholars entering English I College Prep read and analyze grade-appropriate literary and informational texts both independently and with teacher assistance. Throughout the year scholars will demonstrate evidence of independent reading. Texts covered include *Romeo & Juliet*, *The Central Park Five*, *The Curious Incident of the Dog in the Night*, and the *Serial* podcast. This course will also develop and enhance writing. Scholars will discuss model essay samples; create essays with the goal of structural, grammatical and mechanical integrity in the final drafts; and successfully and insightfully participate in class discussions, projects and presentations, demonstrating skill in the utilization of a variety of resources with appropriate scaffolding.

FUNDAMENTALS OF ENGLISH I

CRS H0005

GR 9

CR 1 Y

Instruction is based on the Massachusetts Frameworks and mirrors the general education English Program of Studies. Fundamentals is a special education academic, sub-separate program. In addition to students' exposure to the modified grade level curriculum, there is an emphasis on reading comprehension and using metacognitive reading skills as well and breaking down the writing process. The class is supported by a dual certified English special education teacher and other support professionals as needed.

INTERVENTION BLOCK: GR 9 ELA**CRS INTE9E****GR 9****CR ½ S**

Scholars identified as needing extra support in their English I course, or who are reading below grade-level, take this course in addition to their regular English class. Here scholars work with their English teacher and the diagnostic and personalized program iReady to remediate their literacy skills. Scholars take this course with a teacher recommendation. This course is Pass/Fail.

GRADE 10 ENGLISH

The Sophomore English Program builds on the foundation of the reading and writing skills developed in the ninth grade curriculum and emphasizes the interrelationship among language, literature, and composition. The study of literature includes short fiction, novels, poetry, and dramas and accentuates the critical thinking process to demonstrate comprehension. Scholars will work with literature through text-based analytical discussions and will be given opportunities to showcase this through the development of their writing. Scholars will prepare for standards based testing through the review of test taking, study, and organizational skills while they are learning to self-assess and revise written work.

ENGLISH II HONORS ACCELERATED**CRS H9718****GR 10****CR 1 Y**

English II Honors Accelerated will mirror the English II Curriculum Frameworks, with supplemental Classic texts. Students enrolled in this course will engage in independent and critical reading and writing throughout the year. This course is required for students in Classical Academy, but may be opened to any scholar with exemplary ELA skills or with a recommendation from their 9th grade teacher.

ENGLISH II HONORS**CRS H0009****GR 10****CR 1 Y**

Scholars entering English II Honors read and write at or above grade level. Through reading a variety of core texts, scholars will develop and refine the skills to analyze, compare and contrast characters and their development; explain the motives and ramifications of major conflicts; and interpret literary symbols. Scholars will learn how to utilize a variety of rhetorical techniques in their own compositions and develop an understanding of development, cohesion, conventions, and the use of language and style to improve their writing skills. Scholars will master grade level standards. The Classical Academy version includes thematic links to all of the Honors program's classes, with specific connections to Classics courses (*Classical Perspectives and Latin*). ***In order for a scholar to enroll in English II Honors, they must have successfully completed English I and received a course recommendation from their previous year's English teacher.***

ENGLISH II CP**CRS H0011****GR 10****CR 1 Y**

Scholars enrolled in English II College Prep should be reading and writing at grade-level. Through reading a variety of core texts, scholars will develop and refine the skills to analyze, compare and contrast characters and their development; explain the motives and ramifications of major conflicts; and interpret literary symbols. Scholars will learn how to utilize a variety of rhetorical techniques in their own compositions and develop an understanding of development, cohesion, conventions, and the use of language and style to improve their writing skills. Scholars will master grade level standards. ***In order for a scholar to enroll in English II CP, they must have successfully completed English I.***

INTERVENTION BLOCK GR 10 ELA**CRS INTE10e****GR 10****CR ½ S**

Scholars identified as needing extra support in their English II course, or who are reading below grade-level, take this course in addition to their regular English class. Here scholars work with their English teacher and a diagnostic program to remediate their literacy skills. Scholars take this course with a teacher recommendation. This course is Pass/Fail.

FUNDAMENTALS OF ENGLISH II**CRS H8007****GR 10****CR 1 Y**

Instruction is based on the Massachusetts Frameworks and mirrors the general education English Program of Studies. Fundamentals is a special education academic, sub-separate program. In addition to students' exposure to the modified grade level curriculum there is an emphasis on reading comprehension and using metacognitive reading skills as well as breaking down the writing process. The class is supported by a dual certified English special education teacher and other support professionals as needed.

GRADE 11 ENGLISH

The Junior English Program focuses on the study of American literature. Scholars will be guided to read for deep textual understanding. Various genres – including novels, short stories, poetry, drama, and essays – will be used as a basis for developing and improving a scholar’s mastery of reading and writing skills.

AP ENGLISH LITERATURE & COMPOSITION

CRS H8031

GR 11 – 12

CR 1 Y

AP Literature and Composition engages scholars in the careful reading and critical analysis of imaginative literature in a variety of genres from the 16th to the 21st century. Through close reading of selected texts, scholars deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, scholars consider a work’s structure, style and themes as well as the use of figurative language, imagery, symbolism, and tone. Scholars will read multiple works at a time. In addition, writing is an integral part of the course. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Scholars will complete multiple major writing assignments per term, to be composed both in and out of class, and engage in systematic revisions during the drafting process. ***Scholars enrolling in this course are required to take the Advanced Placement Examination in Literature and Composition.***

ENGLISH III HONORS

CRS H0017

GR 11

CR 1 Y

Scholars enrolled in English III Honors will be responsible for rigorous independent and assigned readings from classic and contemporary American literature. In addition to mastering grade level standards, they will write fully-developed analytical, argumentative, and research-based essays containing thesis statements, provide textual evidence, and utilize proper grammar. Peer and self-evaluations will be part of the writing process. Scholars will develop revision skills through multiple draft writing. Scholars will conduct effective research to write well-developed essays. When enrolled in this course, scholars are expected to participate in class cooperatively, devote appropriate time to their assignments, and prepare to work at a demanding pace. Scholars will master or exceed grade-level standards. ***In order for a student to enroll in English III Honors, they must have successfully completed English II and received a course recommendation from their previous year’s English Teacher.***

ENGLISH III CP

CRS H0019

GR 11

CR 1 Y

Scholars enrolled in English III College Prep will be responsible for independent and assigned class readings from classic and contemporary American literature. They will work on the following writing skills for analytical and research assignments: topic development, textual support of the thesis, and the proper use of grammar. Scholars will use peer and self-evaluation as part of the writing process and develop revision skills through completing multiple drafts. They will work cooperatively, complete assignments, and proceed at a consistent pace, as well as master grade-level standards. ***In order for a student to enroll in English III College Prep, they must have successfully completed English II.***

FUNDAMENTALS OF ENGLISH III

CRS H8009

GR 11

CR 1 Y

Instruction is based on the Massachusetts Frameworks and mirrors the general education English Program of Studies. Fundamentals is a special education academic, sub-separate program. In addition to students’ exposure to the modified grade level curriculum, there is an emphasis on reading comprehension and using metacognitive reading skills as well and breaking down the writing process. The class is supported by a dual certified English special education teacher and other support professionals as needed.

ENGLISH COMPOSITION I (ENG 101)

CRS H0026E

GR 11

CR 1 S

DUAL ENROLLMENT - NECC

A required course to develop critical thinking and clear, effective writing. This course explores the reading and writing processes, and emphasizes source-based writing. ***Prerequisite: Placement Testing. This class is taught at NECC.***

GRADE 12 ENGLISH

The Senior English Program focuses on the study of World literature for English IV Honors and on a variety of literature for English IV College Prep. Scholars in English IV will be guided to develop the ability to read with deep textual understanding. Novels, short stories, poetry, drama, and essays are studied, with an emphasis on style and the techniques used by authors to gain their effects. Outside reading assignments will be required. Specific writing assignments will be used as a basis for developing and improving a scholar's writing competence.

AP ENGLISH LANGUAGE & COMPOSITION

CRS H0023

GR 11 – 12

CR 1

Y

In this college-level composition class, scholars will engage with a range of nonfiction prose selections, deepening their awareness of rhetoric and argumentation. Through reading nonfiction texts in a wide variety of genres, scholars will explore how authors use language and rhetoric to create meaning, to persuade, and to move an audience to action. Through close reading and frequent writing, students will come to understand the core premise of the course: that everything's an argument. Scholars will leave this course able to analyze complex works of nonfiction, formulate sophisticated arguments that are supported by evidence, and write with style and rhetoric appropriate to the task. ***Scholars enrolling in this course are required to take the Advanced Placement Examination in Language and Composition.***

ENGLISH IV HONORS

CRS H0025

GR 12

CR 1

Y

Scholars enrolled in English IV Honors will be responsible for rigorous independent and assigned readings spanning the literary canon from early English literature to contemporary British fiction, non-fiction, and poetry, from various works of world literature. In addition to mastering grade level standards, scholars will be expected to make meaningful connections through reflections on their reading. They will write fully-developed analytical essays containing thesis statements, textual evidence, and proper use of grammar. Scholars will also conduct research, write creatively, and present work before the class. Peer and self-evaluations are a required part of the writing process. Additionally, scholars are expected to compile their writing and reflect on it in order to produce senior exit portfolios. Scholars must be prepared to work both cooperatively and independently, devote appropriate time to their homework assignments, and work at a demanding pace. ***In order for a student to enroll in English IV Honors, they must have successfully completed English III.***

ENGLISH IV CP

CRS H0027

GR 12

CR 1

Y

Scholars enrolled in English IV College Prep will be responsible for engaging in a wide variety of sophisticated and socially relevant modes of reading and writing. In addition to exploring compelling, rigorous, and diverse works of literature to expand upon the reading, writing, speaking, and listening skills required in traditional English Language Arts classes, scholars will also be reading and composing cover letters, resumes, editorials, reviews, blogs, and other relevant modes of reading and writing to better prepare them for successful participation in post-high school and professional life. ***In order for a student to enroll in English IV CP, they must have successfully completed English III.***

FUNDAMENTALS OF ENGLISH IV

CRS H0011

GR 12

CR 1

Y

Instruction is based on the Massachusetts Frameworks and mirrors the general education English Program of Studies. Fundamentals is a special education academic, sub-separate program. In addition to students' exposure to the modified grade level curriculum, there is an emphasis on reading comprehension and using metacognitive reading skills as well and breaking down the writing process. The class is supported by a dual certified English special education teacher and other support professionals as needed.

ENGLISH COMPOSITION II (ENG 102)

CRS H0030Ec

GR 12

CR 1

S

DUAL ENROLLMENT - NECC

A required course emphasizing analysis, argumentation, and research. Texts and materials will vary from section to section and will be employed as the basis for a range of essays. Successful completion of a research essay is required to pass this course. ***Prerequisite: Placement Testing. This class is taught at NECC.***

ENGLISH LANGUAGE DEVELOPMENT

The English Language Development courses offer direct instruction in intensive English Language Education in alignment to the MA State and Common Core State Standards in English Language Arts for all levels of English Learners (ELs) and in Math, History, and Science for Newcomer Levels 1-2 ELs. Grade level academic content is made accessible through cognitively demanding, academic language and literacy development. Instruction is highly production oriented in all linguistic domains. The individual proficiency levels of scholars classified as English Learners are carefully determined and monitored for proper placement with dually licensed content/ESL teachers for Math, History, Science, and English Language Arts. The scholars gain access to the State and District curriculum in the respective core areas through focused instruction, and rigorous college and career ready expectations for mastery of language and academic content.

ELD READING AND WRITING I

CRS H9025

GR 9 – 12

CR 1 Y

This course is for English language scholars who have entry level English language skills. Newcomer ELs engage in intensive academic and social vocabulary and discourse development through complex reading, writing, listening, and speaking tasks. In alignment with grade level standards, scholars in this course will engage in rigorous language and skill development to increase comprehension and production of English. ELs will engage with various texts, media, and technology to increase grammatical awareness and build academic and social language.

ELD READING AND WRITING II

CRS H9026

GR 9 – 12

CR 1 Y

This course is for scholars who have reached level two on the WIDA language proficiency scale. Scholars in this course will interact with the National Geographic Reach series to develop English language skills in reading, writing, listening, and speaking. Scholars will explore thematic units and read and write texts in various genres to answer the essential question of the unit. Scholars will engage with various media and technology to increase grammatical awareness and build academic and social language.

ELD READING AND WRITING III

CRS H9027

GR 9 – 12

CR 1 Y

This course is for scholars who have reached intermediate proficiency on the WIDA language proficiency scale. Scholars in this course will continue to develop English language skills in reading, writing, listening, and speaking. Scholars will explore thematic units and read and write texts in various genres to answer the essential question of the unit. Scholars will engage with various media and technology to increase grammatical awareness and build academic and social language. Scholars enrolled in this course receive one period of English language instruction, as well as one period of English Language Arts (ELA), per day.

ELD READING AND WRITING IV

CRS H9028

GR 9 – 12

CR 1 Y

This course is for scholars who have reached advanced intermediate proficiency on the WIDA language proficiency scale. Scholars in this course will continue to develop high level English language skills in reading, writing, listening, and speaking. Scholars will explore thematic units and read and write texts in various genres to answer the essential question of the unit. Scholars participate in reading and writing tasks designed to help them become independent learners with near-native fluency in English. Scholars enrolled in this course receive one period of English language instruction, as well as one period of English Language Arts (ELA), per day.

ELD READING AND WRITING V

CRS H9029

GR 9 – 12

CR 1 Y

This course is for scholars with near-native fluency in English. This course provides a demanding regimen of English speaking, reading and writing for scholars who have reached advanced English Language proficiency but who still need support with the complexities of the rigorous academic language demands of High School. Scholars will continue to develop their academic and social language skills through thematic units. Scholars will read and produce complex texts of various genres and engage with different media and technology. Scholars enrolled in this course receive one period of English language instruction, as well as one period of English Language Arts (ELA), per day.

ELD ADVANCED WRITING

CRS H9903

GR 9 – 12

CR 1 Y

This course is for scholars with near-native fluency in English who have successfully completed ELD Reading and Writing V, but have not yet reached the threshold on ACCESS for exiting from ELD services. This course provides a demanding regimen of English speaking, reading and writing for scholars who have reached advanced English Language proficiency but who still need support with the complexities of the rigorous academic language demands of High School. Scholars enrolled in this course receive one period of English language instruction, as well as one period of English Language Arts (ELA), per day.

ELD ADVANCED READING**CRS H9706****GR 9 – 12****CR 1 Y**

This course is for scholars with near-native fluency in English who have successfully completed ELD Reading and Writing V, but have not yet reached the threshold on ACCESS for exiting from ELD services. This course provides a demanding regimen of English speaking, reading and writing for scholars who have reached advanced English Language proficiency but who still need support with the complexities of the rigorous academic language demands of High School. Scholars enrolled in this course receive one period of English language instruction, as well as one period of English Language Arts (ELA), per day.

The following courses are structured to support level 1 and 2 ELD scholars in the content areas. For complete descriptions, please see the appropriate content areas.

ELD WORLD HISTORY II CP**CRS H1108****GR 9****CR 1 Y****ELD U.S. HISTORY I CP****CRS H1120****GR 10****CR 1 Y****ELD U.S. HISTORY II CP****CRS H1122****GR 11****CR 1 Y****ELD ALGEBRA I CP****CRS H2277****GR 9 – 11****CR 1 Y****ELD GEOMETRY CP****CRS H2279****GR 10 – 12****CR 1 Y****ELD BIOLOGY CP****CRS H7343****GR 9****CR 1 Y****ELD INTRODUCTION TO PRINCIPLES OF BIOMEDICAL SCIENCE****CRSH3432****GR 9****CR 1 Y****REAL Pathway**

EL students enrolled in the **Rigorous English and Academic Learning (REAL)** courses receive instruction under the Sheltered English Immersion model for the full day. The programs provide intensive instruction in English language development (ELD) and in literacy acquisition. They also provide consistent instruction in numeracy and instruction in foundational concepts for Science and Social Studies. REAL courses offer the necessary individualization, flexibility, academic scaffolding, and social-emotional support within a culturally and linguistically supportive framework, that facilitate students' transitioning to the U.S. and to American culture. Students transition from REAL courses to other appropriate programs once they achieve the necessary linguistic and academic foundation to access the mainstream curriculum or pursue a high school diploma.

REAL LITERACY**CRS H7344****GR 9 – 12****CR 1 Y**

This course is designed for ELD scholars with little to no literacy skills in their native language or English. Scholars will work on building and improving basic literacy skills in English. The focus of this course is to provide scholars with explicit, direct instruction in reading fluency, vocabulary development, and comprehension strategies, as well as direct instruction in phonemic awareness and phonics. Scholars' strengths and weaknesses are addressed through whole group, small group, and individual guided reading and instruction.

REAL SCIENCE**CRS H7345****GR 9 – 12****CR 1 Y**

This course is designed for ELD scholars with little to no literacy skills in their native language or English. Scholars will work on acquiring the language for science content knowledge. Topics covered include, but are not limited to: human biology, ecology and genetics. Scholars' strengths and weaknesses are addressed through whole group, small group, and individual instruction.

REAL SCIENCE II**CRS H9708****GR 9 – 12****CR 1 Y**

This course is designed for ELD scholars with emerging literacy skills in their native language or English, who have successfully completed REAL Science I. Scholars will continue to acquire the language for science and build on their science content knowledge. Topics covered include, but are not limited to: human biology, ecology and genetics. Scholars' strengths and weaknesses are addressed through whole group, small group, and individual instruction.

REAL MATH**CRS H7346****GR 9 – 12****CR 1 Y**

This course is designed for ELD scholars with little to no literacy skills in their native language or English. Scholars will work on acquiring the language for math, and the skills and concepts of algebra and geometry. Topics covered include, but are not limited to: basic operations, fractions, percentages, decimals, ratios, probability, perimeter, area, circumference, integers, basic graphing, basic calculator skills, and solving linear equations. Scholars' strengths and weaknesses are addressed through whole group, small group, and individual instruction.

REAL MATH II**CRS H9707****GR 9 – 12****CR 1 Y**

This course is designed for ELD scholars with emerging literacy skills in their native language or English and who have successfully completed REAL Math I. Scholars will continue to acquire the language for math, and build upon their skills and concepts of algebra and geometry. Topics covered include, but are not limited to: basic operations, fractions, percentages, decimals, ratios, probability, perimeter, area, circumference, integers, basic graphing, basic calculator skills, and solving linear equations. Scholars' strengths and weaknesses are addressed through whole group, small group, and individual instruction.

ENGLISH ELECTIVES**BROADCAST JOURNALISM****CRS H0023****GR 11 – 12****CR ½ S**

Interested in radio and television broadcasting? This course will provide the building blocks for would-be broadcast journalists and producers. You will learn the history of broadcast news, how to write a script, the differences between print, radio, and broadcast production, and produce your own news segments. The goal is to create opportunities for students to create, collaborate, and share their finished products with the Haverhill community. This course focuses on journalistic writing in its many forms. Students will analyze the structure, point-of-view, and style of writing through exploration of radio, television, and Internet sources in order to acquire the skills needed to effectively impact readers. Along with writing informative, explanatory, and persuasive articles for production, students will develop their reporting, narrative, and research skills while also enhancing their awareness of both local and global issues. Students enrolled in the course will have the opportunity to collaborate with the student newspaper, *The Brown and Gold*, meeting strict publication deadlines.

CREATIVE WRITING**CRS H0033****GR 11 – 12****CR ½ S**

Creative Writing is designed as a workshop to provide scholars with the opportunity to study and write short stories, poetry, creative nonfiction, and scripts. Scholars will explore the characteristics of these forms. Teacher-student conferences and peer conferences will be held frequently to help scholars strengthen their writing skills and their confidence. Scholars will be required to complete a final writing portfolio to demonstrate their writing and growth over the course.

JOURNALISM**CRS H0037****GR 10 – 12****CR1 Y**

This course focuses on journalistic writing in its many forms. Scholars will analyze the structure, point-of-view, and style of writing through exploration of print, radio, television, and Internet sources in order to acquire the skills needed to effectively impact readers. Along with writing informative, explanatory, and persuasive articles for publication, scholars will develop their reporting, narrative, and research skills while also enhancing their awareness of both local and global issues. Scholars enrolled in the course will staff and assume all responsibilities of the school newspaper, *The Brown and Gold*, meeting strict publication deadlines. Scholars will produce print and digital issues during the course of the school year. 📌 **School to Career requirement option.**

PUBLIC SPEAKING**CRS H0035****GR 10 – 12****CR ½ S**

This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, scholars should be able to prepare and deliver well-organized speeches and participate in group discussions. Scholars should also demonstrate the speaking, listening, and interpersonal skills necessary to be effective communicators in academic settings, in the workplace, and in their community.

YEARBOOK PUBLISHING**CRS H9703****GR 11 – 12****CR ½ S**

This half year course is for juniors and seniors that are passionate about storytelling, journalism, photography, design, business, leadership and writing. Students will work alongside faculty yearbook advisors to put together a yearbook that is representative of the HHS student body. Students should be self-motivated and care about details.

HISTORY

The study of history and the social sciences is vital in a democratic society. All scholars need to know and understand the European historical tradition, our national heritage, and the cultures and civilizations of the entire globe in order to become informed participants in shaping our nation's future. The history and social science courses are designed to: (1) develop the knowledge and skills of history, geography, civics and economics that enable scholars to place the people, ideas and events that have shaped our state and our nation in perspective; (2) enable scholars to understand the basic values, principles and operations of American constitutional democracy; (3) prepare scholars for informed and responsible citizenship; (4) develop scholars' skills in debate, discussion and writing; and (5) provide scholars with a framework for continuing education in history and social sciences.

WORLD HISTORY II HONORS

CRS H1109

GR 9

CR1

Y

This course begins with an analysis of the American and French Revolutions, as part of the Era of Atlantic Revolutions. The influences of the French Revolutionary and Napoleonic period are traced forward, specifically as seen through the rise of nationalism in Europe that resulted in fundamentally altering the Balance of Power that would eventually cause the collapse of the "Long Peace" and plunge European politicians toward two wars in the first half of the 20th century. The impact of the Industrial Revolution and Western imperialism is viewed from various perspectives. Scholars will focus on the impacts of World War I, the Great Depression, rise of dictatorship, and World War II through a global lens. The course continues with the study of WWII and traces the rise of communism and the downfall of communism during the Cold War. Scholars then begin to look at the regions of the world to delve into the common topics that shape our modern world. Decolonization and the aftermath of Western imperialism are viewed from the lens of various actors on the world stage. Scholars will see the impact of economic growth and the emergence of a global economy on our ever "shrinking" world. The course culminates by giving scholars a broader view of the modern world in the post-Berlin Wall and post 9-11 era. ***This course is required for graduation and should be taken during freshman year. Prerequisite: Recommendation 8th grade History teacher.***

WORLD HISTORY II CP

CRS H1111

GR 9

CR1

Y

This course begins with an analysis of the American and French Revolutions, as part of the Era of Atlantic Revolutions. The influences of the French Revolutionary and Napoleonic period are traced forward, specifically as seen through the rise of nationalism in Europe that resulted in fundamentally altering the Balance of Power that would eventually cause the collapse of the "Long Peace" and plunge European politicians toward two wars in the first half of the 20th century. The impact of the Industrial Revolution and Western imperialism is viewed from various perspectives. Scholars will focus on the impacts of World War I, the Great Depression, rise of dictatorship, and World War II through a global lens. The course continues with the study of WWII and traces the rise of communism and the downfall of communism during the Cold War. Scholars then begin to look at the regions of the world to delve into the common topics that shape our modern world. Decolonization and the aftermath of Western imperialism are viewed from the lens of various actors on the world stage. Scholars will see the impact of economic growth and the emergence of a global economy on our ever "shrinking" world. The course culminates by giving scholars a broader view of the modern world in the post-Berlin Wall and post 9-11 era. ***This course is required for graduation and should be taken during freshman year. Prerequisite: Recommendation 8th grade History teacher.***

FUNDAMENTALS OF WORLD HISTORY II

CRS H8123

GR 9

CR1

Y

This course begins with an analysis of the American and French Revolutions, as part of the Era of Atlantic Revolutions. The influences of the French Revolutionary and Napoleonic period are traced forward, specifically as seen through the rise of nationalism in Europe that resulted in fundamentally altering the Balance of Power that would eventually cause the collapse of the "Long Peace" and plunge European politicians toward two wars in the first half of the 20th century. The impact of the Industrial Revolution and Western imperialism is viewed from various perspectives. Scholars will focus on the impacts of World War I, the Great Depression, rise of dictatorship, and World War II through a global lens. The course continues with the study of WWII and traces the rise of communism and the downfall of communism during the Cold War. Scholars then begin to look at the regions of the world to delve into the common topics that shape our modern world. Decolonization and the aftermath of Western imperialism are viewed from the lens of various actors on the world stage. Scholars will see the impact of economic growth and the emergence of a global economy on our ever "shrinking" world. The course culminates by giving scholars a broader view of the modern world in the post-Berlin Wall and post 9-11 era. ***This course is required for graduation and should be taken during freshman year.***

ELD WORLD HISTORY II CP**CRS H1108****GR 9****CR1****Y**

This course begins with an analysis of the American and French Revolutions, as part of the Era of Atlantic Revolutions. The influences of the French Revolutionary and Napoleonic period are traced forward, specifically as seen through the rise of nationalism in Europe that resulted in fundamentally altering the Balance of Power that would eventually cause the collapse of the “Long Peace” and plunge European politicians toward two wars in the first half of the 20th century. The impact of the Industrial Revolution and Western imperialism is viewed from various perspectives. Scholars will focus on the impacts of World War I, the Great Depression, rise of dictatorship, and World War II through a global lens. The course continues with the study of WWII and traces the rise of communism and the downfall of communism during the Cold War. Scholars then begin to look at the regions of the world to delve into the common topics that shape our modern world. Decolonization and the aftermath of Western imperialism are viewed from the lens of various actors on the world stage. Scholars will see the impact of economic growth and the emergence of a global economy on our ever “shrinking” world. The course culminates by giving scholars a broader view of the modern world in the post-Berlin Wall and post 9-11 era. This course is taught with a sheltered language instructional approach to provide maximum comprehension of the content while assisting with the acquisition of academic language skills appropriate to the subject area. Significant emphasis is placed upon acquisition of academic vocabulary, syntax and grammar as well as related reading and writing skills. ***This course is required for graduation and should be taken during freshman year. Prerequisite: Recommendation 8th grade History teacher.***

U.S. HISTORY I HONORS**CRS H1126****GR 10****CR1****Y**

The first semester of this U.S. History I course begins with an analysis of the U.S. Constitution and continues into the 19th century with topics such as westward expansion, early industrialization and the Civil War. The second semester of this U.S. History I course journeys through the Reconstruction Period, the Indian Wars, Imperialism, Progressivism and the first World War. ***This course is required for graduation and should be taken during the sophomore year. Prerequisite: Grade of B- or better in World History II or passing grade in World History II Honors and receive the recommendation of his/her teacher.***

U.S. HISTORY I CP**CRS H1124****GR 10****CR1****Y**

The first semester of this U.S. History I course begins with an analysis of the U.S. Constitution and continues into the 19th century with topics such as westward expansion, early industrialization and the Civil War. The second semester of this U.S. History I course journeys through the Reconstruction Period, the Indian Wars, Imperialism, Progressivism and the first World War. ***This course is required for graduation and should be taken during the sophomore year.***

FUNDAMENTALS OF U.S. HISTORY I**CRS H8190****GR 10****CR1****Y**

The first semester of this U.S. History I course begins with an analysis of the U.S. Constitution and continues into the 19th century with topics such as westward expansion, early industrialization and the Civil War. The second semester of this U.S. History I course journeys through the Reconstruction Period, the Indian Wars, Imperialism, Progressivism and the first World War. ***This course is required for graduation and should be taken during the sophomore year.***

ELD U.S. HISTORY I CP**CRS H1120****GR 10****CR1****Y**

The first semester of this U.S. History I course begins with an analysis of the U.S. Constitution and continues into the 19th century with topics such as westward expansion, early industrialization and the Civil War. The second semester of this U.S. History I course journeys through the Reconstruction Period, the Indian Wars, Imperialism, Progressivism and the first World War. This course is taught with a sheltered language instructional approach to provide maximum comprehension of the content while assisting with the acquisition of academic language skills appropriate to the subject area. Significant emphasis is placed upon acquisition of academic vocabulary, syntax and grammar as well as related reading and writing skills. ***This course is required for graduation and should be taken during the sophomore year.***

AP EUROPEAN HISTORY**CRS H1110****GR 10 – 12****CR1****Y**

The course in European History is designed to provide scholars with the intellectual-cultural, political-diplomatic, and social-economic history of Europe beginning about 1450. The program prepares scholars for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses. Scholars selecting AP European History must take the Advanced Placement Examination in European History, for which college credit may be awarded. ***Prerequisite: Grade of B- or better in World History II Honors or B+ in World History II and recommendation of teacher. Important: It is expected that scholars enrolling in AP European History in Grade 10 will enroll in AP U.S. History in Grade 11.***

U.S. HISTORY II HONORS**CRS H1117****GR 11****CR1****Y**

This U.S. History II course covers the span of years from 1920 until the present. In the first semester, the scholars will learn about major events that include the Great Depression, World War II, the Cold War, and the Civil Rights Era. The second semester will begin with the 1960s and the Vietnam War and continue through to the present day. The course will cover the tumultuous 1970s, the Reagan Era, the Age of Technology and the Post-9/11 early 21st century. This course is required for graduation and should be taken during junior year. ***Prerequisite: Grade of B- or better in U.S. History I CP or passing grade in U.S. History I Honors and receive the recommendation of his/her teacher.***

U.S. HISTORY II CP**CRS H1119****GR 11****CR1****Y**

This U.S. History II course covers the span of years from 1920 until the present. In the first semester, the scholars will learn about major events that include the Great Depression, World War II, the Cold War, the Civil Rights Era. The second semester will begin with the 1960s and the Vietnam War and continue through to the present day. The course will cover the tumultuous 1970s, the Reagan Era, the Age of Technology and the Post-9/11 early 21st century. ***This course is required for graduation and should be taken during junior year.***

FUNDAMENTALS OF U.S. HISTORY II**CRS H8125****GR 11****CR1****Y**

This U.S. History II course covers the span of years from 1920 until the present. In the first semester, the scholars will learn about major events that include the Great Depression, World War II, the Cold War, and the Civil Rights Era. The second semester will begin with the 1960s and the Vietnam War and continue through to the present day. The course will cover the tumultuous 1970s, the Reagan Era, the Age of Technology and the Post-9/11 early 21st century. ***This course is required for graduation and should be taken during junior year.***

ELD U.S. HISTORY II CP**CRS H1122****GR 11****CR1****Y**

This U.S. History II course covers the span of years from 1920 until the present. In the first semester, the scholars will learn about major events that include the Great Depression, World War II, the Cold War, and the Civil Rights Era. The second semester will begin with the 1960s and the Vietnam War and continue through to the present day. The course will cover the tumultuous 1970s, the Reagan Era, the Age of Technology and the Post-9/11 early 21st century. This course is taught with a sheltered language instructional approach to provide maximum comprehension of the content while assisting with the acquisition of academic language skills appropriate to the subject area. Significant emphasis is placed upon acquisition of academic vocabulary, syntax and grammar as well as related reading and writing skills. ***This course is required for graduation and should be taken during junior year.***

U.S. HISTORY (HIS101) DUAL ENROLLMENT - NECC**CRS H1122EC****GR 11****CR1****Y**

This course is a survey of American history from 1607-1865. It will trace the political, social, cultural and economic development of the United States from colonial times through the Civil War. Special attention will be given to political theory, the role of leadership, America's expansion across the continent and the rising tide of sectionalism that results in the Civil War. ***Prerequisite: Placement Testing. This class is taught at NECC.***

AP U.S. HISTORY**CRS H1115****GR 11****CR1****Y**

The course in United States History is designed to provide scholars with the analytic skills and factual knowledge necessary to deal critically with the problems and issues connected with American History. The program prepares scholars for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses. Scholars will learn to assess historic materials - their relevance to a given interpretive problem, their reliability and their importance - and to weigh the evidence and interpretations presented in historical scholarship. The American History course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Scholars selecting AP U.S. History must take the Examination in United States History, for which college credit may be awarded. ***Prerequisite: Grade of B- or better in World History II or a passing grade in AP European History or AP World History, and recommendation of a teacher.***

HISTORY ELECTIVES

HISTORY OF THE CITY OF HAVERHILL

CRS H1125 GR 9 – 12 CR ½ S

Haverhill was settled in 1640, Bradford in 1639. In 1897, they became one. Scholars will use a variety of sources to explore the fascinating story of the growth and development of the city of Haverhill. Scholars may visit sites they study, and will do original research in areas of particular interest.

PSYCHOLOGY

CRS H1127 GR 11 – 12 CR ½ S

Major goals of the course include promoting an interest in Psychology and the study of the following topics: personality, intelligence, and theories of development, abnormal behavior, frustration, anger and other areas. The course is designed so that scholars working at all levels can find success in this class. **Prerequisite: Successful completion of, or concurrent registration in a core History class.** ✓ **School to Career requirement option.**

INTRODUCTION TO PSYCHOLOGY (PSY101)

CRS H1144Ec GR -12 CR 1 S

DUAL ENROLLMENT - NECC

This course surveys the major areas of contemporary psychology and its applications to everyday life. Scholars will focus on psychological methods of inquiry while exploring the biological, cognitive and sociocultural factors that influence behavior. Topics include, but are not limited to, biological basis of behavior, cognition, learning, human development, personality, motivations and emotions, states of consciousness, sensory processes and psychopathology. **Prerequisite: Placement Testing. This class is taught at NECC.**

PSYCHOLOGY HONORS

CRS H1130 GR 11 - 12 CR ½ S

The curriculum of this course is based on a college introductory course. A general knowledge of biology and anatomy is recommended. The course's areas of study will include Personality Theories, Abnormal Psychology, Learning Theories, Violence and Criminal Behavior, Psychobiology and Perception. There will be an emphasis on the analysis of the major theorists in the discipline of Psychology. Enrollment in this course will receive Honors credit. Proficient writing and reading skills are essential to successfully completing this course. **Prerequisite: Scholars are required to have successfully completed their previous year's English and their core History class with a B- or better.** ✓ **School to Career requirement option.**

CHILD PSYCHOLOGY I CP

CRS H1645 GR 10 – 12 CR ½ S

In **Child Psychology I**, students will study prenatal development, labor and delivery, and the physical, social-emotional, and intellectual development of children during infancy (birth to age 2). They will also learn about selected topics in parenting and childcare. The class textbook is *The Developing Child* by Holly Brisbane, McGraw-Hill (Glencoe), 2006. Current articles and videos related to child development, childcare, and parenting will supplement the class textbook. ✓ **School to Career requirement option YOU MAY NOT TAKE IF YOU HAVE ALREADY TAKEN CHILD PSYCH 1 OR 2.**

CHILD PSYCHOLOGY I HONORS

CRS H1648 GR 10 – 12 CR ½ S

In **Child Psychology I**, students will study prenatal development, labor and delivery, and the physical, social-emotional, and intellectual development of children during infancy (birth to age 2). They will also learn about selected topics in parenting and childcare. The class textbook is *The Developing Child* by Holly Brisbane, McGraw-Hill (Glencoe), 2006. Current articles and videos related to child development, childcare, and parenting will supplement the class textbook. **Honors level scholars will complete an independent project each term in addition to other course requirements.** ✓ **School to Career requirement option YOU MAY NOT TAKE IF YOU HAVE ALREADY TAKEN CHILD PSYCH 1 OR 2.**

CHILD PSYCHOLOGY II: EARLY CHILDHOOD DEVELOPMENT

CRS H1662 GR 11 – 12 CR ½ S

In **Child Psychology II**, students will study the psychology of human development across the lifespan. Students will learn about major theories of human development. Students will also study the physical, social-emotional, and intellectual development of children during early childhood (age 2-8) and middle childhood (age 9-11). The main text for the class comes from the Lumen Learning Human Development online course. (<https://courses.lumenlearning.com>) Current articles and videos related to child development, early childhood education and parenting will supplement the online text. **Prerequisite: Child Psychology I.**

CHILD PSYCHOLOGY II: EARLY CHILDHOOD DEVELOPMENT**CRS H1663****GR 11 – 12****CR ½****S****HONORS**

In **Child Psychology II**, students will study the psychology of human development across the lifespan. Students will learn about major theories of human development. Students will also study the physical, social-emotional, and intellectual development of children during early childhood (age 2-8) and middle childhood (age 9-11). The main text for the class comes from the Lumen Learning Human Development online course. (<https://courses.lumenlearning.com>) Current articles and videos related to child development, early childhood education and parenting will supplement the online text. Honors level scholars will complete an independent project each term in addition to other course requirements. **Prerequisite: Child Psychology I**

JUSTICE AND SOCIETY**CRS H1666****GR 11 – 12****CR ½****S**

This course is uniquely focused to address sociology and how the concept of justice impacts humanity. The course will use textbook activities as well as rely on case study analysis and scholar-led projects which will include action in the community outside of the school day. Computer research will be a significant part of this course. The curriculum material will begin with fundamental instruction on Sociological principles such as social structure, culture, the concept of justice and social interaction, then go on to study crime, conflict, punishment and prison.

AP U.S. GOVERNMENT AND POLITICS**CRS H1200****GR 11 – 12****CR 1****Y**

U.S. Government and Politics is designed to give scholars a critical perspective on politics and government in the United States. This course is an in-depth study of general concepts used to interpret American politics combined with the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. Topics will include: the U.S. Constitution, the three branches of government, impact of mass media, impact of special interest groups, the election process, and the impact of polling, civil rights cases and the law-making process.

Prerequisite: Successful completion of, or concurrent registration in a core History course with a B- or better. ✓ **School to Career requirement option.**

CONSTITUTIONAL LAW HONORS**CRS H1134****GR 11 – 12****CR 1****Y**

Constitutional Law is a class that will examine the US Constitution and the legal system in the United States of America. The Course begins with a complete study of the Constitution itself. From there the course will examine the constitutionality of a number of laws and government policies through case studies. We will begin with cases dealing with First Amendment issues Freedom of Speech, Freedom of Religion, and Freedom of the Press. We will also study Fourth Amendment rights such as Freedom from illegal Searches and Seizures by the government. In the second part of Constitutional Law, we will continue the study of the US Constitution. During this part of the course, we will study cases that deal with the Eighth Amendment, Freedom from Cruel and Unusual Punishment. We will also study the Equal Protection clause of the Fourteenth Amendment. Other constitutional issues that are important debates in current events will also be examined. In the later part of the course, we will study criminal law, and how it is applied by the various states in our country. ✓ **School to Career requirement option.**

CONSTITUTIONAL LAW CP**CRS H1133****GR 11 – 12****CR 1****Y**

Constitutional Law is a class that will examine the US Constitution and the legal system in the United States of America. The Course begins with a complete study of the Constitution itself. From there the course will examine the constitutionality of a number of laws and government policies through case studies. We will begin with cases dealing with First Amendment issues Freedom of Speech, Freedom of Religion, and Freedom of the Press. We will also study Fourth Amendment rights such as Freedom from illegal Searches and Seizures by the government. In the second part of Constitutional Law, we will continue the study of the US Constitution. During this part of the course we will study cases that deal with the Eighth Amendment, Freedom from Cruel and Unusual Punishment. We will also study the Equal Protection clause of the Fourteenth Amendment. Other constitutional issues that are important debates in current events will also be examined. In the later part of the course, we will study criminal law, and how it is applied by the various states in our country. ✓ **School to Career requirement option.**

INTERNATIONAL RELATIONS CP**CRS H1135****GR 10 – 12****CR ½****S**

The International Relations program has been created to reinforce the understanding of both historic and contemporary relations among nations. Understanding each other is the key to world peace, and we feel it is an essential lesson for all scholars to learn. Key elements of the course include: (1) political, social and economic world issues; (2) training in research methodology; (3) public speaking; (4) persuasively presenting ideas to others; (5) the elements of diplomacy; (6) the inner workings of the United Nations and; (7) having scholars objectively assess views contrary to their own. By role-playing the part of various world diplomats at the end of the course, scholars will enter into "controlled competition" with other schools in a format similar to that used at the United Nations.

INTERNATIONAL RELATIONS HONORS**CRS H1139****GR 10 – 12****CR ½ S**

The International Relations course is also offered as an Honors elective. In order to earn Honors credit for the course, the scholar must fulfill the following additional requirements: 1. Write weekly International Event Summaries 2. Work as peer editors on Position Papers during our Mock Model UN section 3. Become leaders in peer group projects: the finals/midterm projects will be scholar-led by the Honors scholars. 4. Have an increased responsibility on the final project. ***The final/midterm projects will have a written component that will be longer for the Honors scholar.***

PHILOSOPHY**CRS H1651****GR 10 – 12****CR ½ S**

In this course, scholars will learn the specialized vocabulary of Philosophy as well as discuss fundamental questions and some of the answers that have been given over time. They will discover that the same questions, which were of interest to ancient peoples are interesting to us: "What is the good life", "What is Virtue", "Is there purpose in life?" "What is Justice?" "To what extent are we responsible for others?" "What is Truth and how do we know it?" As a consequence of questions such as these, scholars will also apply some of the answers to ethical issues of a contemporary nature. Scholars who elect this course should have a strong commitment to reading primary sources, engaging in non-argumentative discussion and preparing insightful essays. Honors level.

SOCIOLOGY**CRS H1641****GR 10 – 12****CR ½ S**

In this course, scholars will explore the importance of family in terms of their present, future, and career possibilities. They will learn the value of goals and set up a plan to meet these goals. Scholars will read, listen to lectures and discuss a wide variety of issues, including today's family, family interactions, family crises, money and time management, balancing family and work, and citizenship roles. Scholars will conduct research and report on their findings.

THE HOLOCAUST AND CRIMES AGAINST HUMANITY**CRS H1140****GR 10 – 12****CR ½ S**

This course offers a comprehensive examination of the history of the Holocaust and crimes against human civilization. The core focus of the class is the analysis of the history of anti-Semitism, the formation of the National Socialist regime, and the execution of six million European Jews and millions of others by the Nazi's. This investigation includes the Holocaust's relationship to ideals of justice and genocide before and after World War II. To conduct this study, scholars will investigate records from survivors, nations, institutions, museums, popular culture, media, and historians who have constructed a history of the Holocaust.

INTRODUCTION TO GOVERNMENT CP**CRS H1154****GR 9 – 12****CR ½ S**

This course will teach and encourage scholars to become informed, responsible and engaged citizens through instruction on citizenry rights, voting, the legal system, state and local government, and how to actively participate in their local communities.

INTRODUCTION TO GOVERNMENT HONORS**CRS H1159****GR 9 – 12****CR ½ S**

This course will teach and encourage scholars to become informed, responsible and engaged citizens through instruction on citizenry rights, voting, the legal system, state and local government, and how to actively participate in their local communities. ***As an Honors class, this section will include additional open response assessments, writing and research projects.***

GENDER STUDIES CP**CRS H9674****GR 11 – 12****CR ½ S**

Gender studies is an interdisciplinary study that analyzes gender identity and how it manifests in society in media, politics, history etc. It includes women's studies, men's studies, and LGBT studies. It also analyzes how race and class intersect with gender. Women's studies examines gender as a social construct, the contributions of women, and the experiences of women. This course will highlight some major issues that primarily affect women, such as sexual assault and workplace inequality. Scholars will learn about the history of gender in the United States and issues related to gender in the present day. Class time will be designated to examining media that touches on gender (articles, documentaries, etc.) and discussions on these subjects.

GENDER STUDIES HONORS**CRS H9610****GR 11 – 12****CR ½ S**

Gender studies is an interdisciplinary study that analyzes gender identity and how it manifests in society in media, politics, history etc. It includes women's studies, men's studies, and LGBT studies. It also analyzes how race and class intersect with gender. Women's studies examines gender as a social construct, the contributions of women, and the experiences of women. This course will highlight some major issues that primarily affect women, such as sexual assault and workplace inequality. Scholars will learn about the history of gender in the United States and issues related to gender in the present day. Class time will be designated to examining media that touches on gender (articles, documentaries, etc.) and discussions on these subjects. ***As an Honors class, this section will include additional open response assessments, writing and research projects.***

MOCK TRIAL CP**CRS H1654****GR 9 – 12****CR ½ S**

The Mock Trial course will cover basic concepts of law, courtroom demeanor, direct and cross examination, opening statements, closing arguments, courtroom exhibits, evidentiary trial objections, and witness portrayal. It will teach scholars to “think like a lawyer” and expose them to the wide range of law-related careers. Scholars will read and analyze court cases, perform mock trials, take direction from actual attorneys in our community. Finally, scholars will prepare and try an actual case before judges and attorneys in the mock trial competition hosted by the Massachusetts Bar Association (held in January/February).

MOCK TRIAL HONORS**CRS H1656****GR 9 – 12****CR ½ S**

The Mock Trial course will cover basic concepts of law, courtroom demeanor, direct and cross examination, opening statements, closing arguments, courtroom exhibits, evidentiary trial objections, and witness portrayal. It will teach scholars to “think like a lawyer” and expose them to the wide range of law-related careers. Scholars will read and analyze court cases, perform mock trials, take direction from actual attorneys in our community. Finally, scholars will prepare and try an actual case before judges and attorneys in the mock trial competition hosted by the Massachusetts Bar Association (held in January/February). ***As an Honors class, this section will include additional open response assessments, writing and research projects.***

CLASSICAL GRECO-ROMAN MYTHOLOGY AND CULTURE**CRS H1655****GR 9 – 12****CR ½ S**

This course will look at the history of Greco-Roman mythology and how it influenced classical culture and daily life throughout history. We will study the history of myths of the major Olympian gods, how those myths historically have been presented in classical times, and how it shaped their society. We will look at a variety of historical sources including Homer, Hesiod, and others. We will also study the culture and daily life of historical Greece and Rome, everything from their homes and hairstyles to their clothing and culture.

CRIMINAL JUSTICE**CRS H1657****GR 9 – 12****CR ½ S**

It is an introductory course which provides an overview of the criminal justice system including criminal law, policing, punishment and corrections, and juvenile justice. There will be opportunities to hear from members of the law enforcement community and to learn about the process of having a career in the world of criminal justice.

INTRO TO CRIMINAL JUSTICE (EARLY COLLEGE)**CRS H1661ec****GR 11 – 12****CR 1 S****DUAL ENROLLMENT - NECC**

This course provides an introduction to the Criminal Justice system in the United States. Specific attention is paid to essential terminology, the definitions of index crimes, the structure of the federal and state court systems, appellate procedures, principles of federalism, criminal charges and defenses to crimes, juvenile and adult justice systems, the criminal trial, analysis of constitutional issues and the rules of criminal procedure at the federal and state levels. ***Prerequisite: Placement Testing. This class is taught at NECC.***

WORLD GEOGRAPHY**CRS H1123****GR 10 – 12****CR ½ S**

Using the “five themes of geography” as a basis for exploration (location, place, region, movement, human/environmental impact) students will examine how the people of a said region interact with the land, their government, their environment, and with one another in a modern, technological and digital world.

AMERICAN HISTORY THROUGH FILM**CRS H9719****GR 10 – 12****CR ½ S**

This semester course offers students the opportunity to examine history through the camera lens. Students will learn to analyze films critically in an attempt to understand the filmmaking process and to evaluate film as a cultural and historical artifact. Course requirements include film screenings, assigned readings, position papers, and a final exam. As critical film viewing is integral to the curriculum, regular attendance to the class is mandatory.

CLASSICAL ACADEMY

A CLASSICAL PERSPECTIVE – LITERATURE

CRS H9600

GR 9

CR ½ S

After an introduction to Hellenistic culture and its influences on the development of western art and thought, scholars will enter into a detailed study of Oresteia by Aeschylus. The *Oresteia*, a cycle of three tragic plays (*Agamemnon*, *Libation Bearers* and *Eumenides*), explores the human cost of the Trojan War in Argos after the Greeks return. Scholars will read the plays and reflect on what it means to be human and engage in human relationships. It is the intent of this reflection to begin to answer the underlying questions of the human experience: What do we know? How do we know what we know? How do we express this knowledge? This course will serve to inform the perspective of Classical Academy scholars as they progress through the program. ***This course is a graduation requirement for the Classical Academy. This course along with Classical Capstone Seminar fulfills the school's public speaking requirement.***

CLASSICAL CAPSTONE SEMINAR

CRS H1145

GR 11 – 12

CR ½ S

Scholars will conduct original research about a topic of their choice in order to produce an original artifact that illustrates their depth of knowledge. They will then present their findings before their peers and a panel of judges. The course requires scholars to demonstrate autonomy in the production of original work, express themselves creatively, solve problems independently, engage in sustainable inquiry, develop time-management skills, report orally and in writing on the results of research and create a tangible product. ***This course is a graduation requirement for the Classical Academy.***

MATHEMATICS

Haverhill High School offers a full array of courses in mathematics and computer programming. Whether a scholar is planning to attend college or move into the workplace, a sound mathematical background is necessary. All scholars at Haverhill High School are required to pass a minimum of three non-elective math courses, including a complete course in Algebra I. Most colleges, universities, and applied technology institutions recommend that scholars successfully complete 4 years of mathematics. Mass Core, the state recommended program of study, recommends 4 years of mathematics in order for high school graduates to be career and college ready. Courses in grades 9 and 10 focus on the content, skills, and strategies assessed by the Mathematics MCAS test which is administered each year in May. The goal of the mathematics department is to have all scholars achieve mathematical competence through a strong program that emphasizes reasoning, communication skills, problem solving, making connections, and technological literacy.

All scholars are encouraged to purchase a TI 84 graphing calculator for use in their mathematics classes. It is important to know that the use of a graphing calculator is permitted on the MCAS, PSAT, SAT, ACT, and AP exams. The mathematics staff at Haverhill High School is committed to maintaining high standards and encouraging all scholars to participate in academically challenging courses that will better prepare them for college and 21st century careers.

INTERVENTION BLOCK: GR 9 MATH

CRS INT9M

GR 9

CR ½ S

This is a course for 9th grade scholars who require additional math support. Scholars will take a diagnostic test that will allow instructors to target appropriate topics, strategies, and techniques for individual scholars. The objective of this course is to help scholars fill gaps in mathematical concepts in order to successfully complete Algebra I, Geometry, and future math courses. Passing scholars earn graduation credit, but no mathematics credit.

INTERVENTION BLOCK: GR 10 MATH

CRS INT10M

GR 10

CR ½ S

This is a course for 10th grade scholars who require additional math support. Scholars will take a diagnostic test that will allow instructors to target appropriate topics, strategies, and techniques for individual scholars. The objective of this course is to help scholars fill gaps in mathematical concepts in order to successfully complete Algebra I, Geometry, and future math courses. Passing scholars earn graduation credit, but no mathematics credit.

ALGEBRA I HONORS

CRS H2207

GR 9

CR 1 Y

This in-depth and comprehensive course follows the common core standards for Algebra 1 and integrates the Standards for Mathematical Practice. Topics include solving and graphing linear equations and inequalities, systems of linear equations, exponential functions and sequences, polynomials, factoring, quadratic functions, operations of exponents and radicals, and data analysis, and graphing absolute value functions. A variety of mathematical models, real-life contexts, and technologies are used to develop conceptual understandings. The course focuses on functions and applications. A TI-84 plus graphing calculator is recommended. ***Prerequisites: Grade of B or better in a grade 8 Algebra I, or A- or better in grade 8 mathematics course, proficient or above scores on MCAS testing, and recommendation of mathematics teacher.***

ALGEBRA I CP

CRS H2209

GR 9

CR 1 Y

This course follows the common core standards for Algebra 1 and integrates the Standards for Mathematical Practice. Topics include solving and graphing linear equations and inequalities, systems of linear equations, exponential functions and sequences, polynomials, factoring, quadratic functions, operations of exponents and radicals, and data analysis, and graphing absolute value functions. A variety of mathematical models, real-life contexts, and technologies are used to develop conceptual understandings. A TI-84 plus graphing calculator is recommended. ***Prerequisites: A passing grade in grade 8 mathematics course, and needs improvement or above scores on MCAS testing, and recommendation of mathematics teacher.***

FUNDAMENTALS OF ALGEBRA I

CRS H8239

GR 9

CR 1 Y

Fundamentals of Algebra 1 includes topics of algebra including constants and variables, functions, open phrases and sentences, postulates and properties of real numbers, linear equations, signed numbers, operations, and word problems. Additional topics include solutions of quadratic equations, expressions, and graphing. In addition to learning the core concepts of algebra, in this course scholars will work on maintaining and building on the skills of note taking, organizing resources, and effective use of resources. ***Prerequisites: Recommendation of the student's team.***

ELD ALGEBRA I CP**CRS H2277****GR 9 – 11****CR 1 Y**

This course follows the common core standards for Algebra 1 and integrates the Standards for Mathematical Practice. Topics include solving and graphing linear equations and inequalities, systems of linear equations, exponential functions and sequences, polynomials, factoring, quadratic functions, operations of exponents and radicals, and data analysis, and graphing absolute value functions. A variety of mathematical models, real-life contexts, and technologies are used to develop conceptual understandings. A TI-84 plus graphing calculator is recommended. **Prerequisites: Intended for scholars in ELD.**

GEOMETRY HONORS**CRS H2215****GR 9 – 11****CR 1 Y**

This course formalizes the geometric concepts that scholars have learned in middle school, with an emphasis on reasoning and making mathematical arguments. Scholars will also study fundamental measurement theorems and postulates and apply these rules when solving problems. Scholars will use formal geometric construction tools to formulate reasoning and understanding of significant concepts. Geometric transformations will be utilized as the foundation for the congruence, similarity, triangle trigonometry, quadrilaterals, polygons, and circles units. Scholars will also further explore probability concepts they have learned in middle school. **Prerequisites: Grade greater than or equal to a B- in Algebra I H or a grade greater than or equal to an A- in Algebra I CP and recommendation of teacher. For incoming freshmen, prerequisites include a grade of B or higher in Grade 8 Algebra I, teacher recommendation, and 80% or higher on the district end-of-year assessment.**

GEOMETRY CP**CRS H2217****GR 10 – 11****CR 1 Y**

This course formalizes the geometric concepts that scholars have learned in middle school, with an emphasis on reasoning and making mathematical arguments. Scholars will also study fundamental measurement theorems and postulates and apply these rules when solving problems. Scholars will use formal geometric construction tools to formulate reasoning and understanding of significant concepts. Geometric transformations will be utilized as the foundation for the congruence, similarity, triangle trigonometry, quadrilaterals, polygons, and circles units. Scholars will also further explore probability concepts they have learned in middle school. **Prerequisites: Passing grade in Algebra 1 CP.**

FUNDAMENTALS OF GEOMETRY**CRS H8237****GR 10****CR 1 Y**

This course formalizes the geometric concepts that scholars have learned in middle school, with an emphasis on reasoning and making mathematical arguments. Geometric transformations will be utilized as the foundation for the congruence, similarity, triangle trigonometry, quadrilaterals, polygons, and circles units. Scholars will also further explore probability concepts they have learned in middle school. In addition to learning the core concepts of geometry, in this course scholars will work on maintaining and building on the skills of note taking, organizing resources, and effective use of resources. **Prerequisites: Passing grade in Fundamentals of Algebra I.**

ELD GEOMETRY CP**CRS H2279****GR 10 – 12****CR 1 Y**

This course formalizes the geometric concepts that scholars have learned in middle school, with an emphasis on reasoning and making mathematical arguments. Scholars will also study fundamental measurement theorems and postulates and apply these rules when solving problems. Scholars will use formal geometric construction tools to formulate reasoning and understanding of significant concepts. Geometric transformations will be utilized as the foundation for the congruence, similarity, quadrilaterals, polygons, and circles units. Scholars will also further explore probability concepts they have learned in middle school. Intended for scholars in ELD. **Prerequisites: Passing grade in ELE Algebra 1 CP.**

FUNDAMENTALS OF ALGEBRA II**CRS H8293****GR 11****CR 1 Y**

This course is designed to help scholars strengthen their algebra and overall math skills. Topics will include: the real number system, solving linear equations, including multi-step equations and absolute value equations, graphing linear functions, writing linear functions, solving systems of linear equations by graphing, substitution, and elimination, polynomials and factoring (quadratics). In addition to learning the core concepts of algebra II, in this course scholars will work on maintaining and building on the skills of note taking, organizing resources, and effective use of resources. **Prerequisites: Passing grade in Fundamentals of Geometry.**

ALGEBRA II HONORS**CRS H2223****GR 10 – 12****CR 1 Y**

This course continues a rigorous presentation of the number system properties begun in Algebra I Honors. Content includes the study of arithmetic and geometric sequences, quadratic functions, polynomials and polynomial functions, rational equations and functions, radical equations and functions, exponential and logarithmic functions, probability, design of statistical studies (including gathering data, making inferences and justifying conclusions), trigonometric functions, and choosing a function. Some of the topics covered within these units of study are solving systems involving both linear and quadratic functions, the fundamental theorem of algebra, complex numbers, and the binomial theorem. A TI 84 plus graphing calculator is required. **Prerequisites: Grade of B- or better in both Algebra I and Geometry. NOTE: A freshman teacher recommendation is required for enrollment of a sophomore.**

ALGEBRA II CP**CRS H2225****GR 10 – 12****CR 1 Y**

This course continues a rigorous presentation of the number system properties begun in Algebra I Honors. Content includes the study of arithmetic and geometric sequences, quadratic functions, polynomials and polynomial functions, rational equations and functions, radical equations and functions, exponential and logarithmic functions, probability, design of statistical studies (including gathering data, making inferences and justifying conclusions), trigonometric functions, and choosing a function. Some of the topics covered within these units of study are solving systems involving both linear and quadratic functions, the fundamental theorem of algebra, complex numbers, and the binomial theorem. A TI 84 plus graphing calculator is required.

Prerequisites: *Grade of C or better in both Algebra I CP and Geometry CP, and recommendation of mathematics teacher. NOTE: For enrollment by a sophomore, the recommendation of the freshman teacher is necessary. Students not meeting these prerequisites should be placed in Intermediate Algebra.*

FUNDAMENTALS OF MATH 12**CRS H8234****GR 12****CR 1 Y**

Students will engage in topics relating to financial literacy that can be applied to real life. These topics will greatly assist students as they move into their post-secondary phase of life. Topics include: Forms of income, paychecks and deductions, expenses and budgets, banking and investing, loans and retirement. In addition to learning the core concepts of financial literacy, in this course scholars will work on maintaining and building on the skills of note taking, organizing resources, and effective use of resources.

Prerequisites: *Passing grade in Fundamentals of Algebra II and a passing score on the grade 10 MCAS.*

PRE-CALCULUS HONORS**CRS H2229****GR 11 – 12****CR 1 Y**

This Honors level course in advanced algebra and functional analysis (with a graphing approach) is designed to prepare scholars for Calculus. Topics include: Parent Functions, their graphs and transformations; Rational Functions; Exponential and Logarithmic Functions; Limits, Trigonometric Functions; Analytical Trigonometry; Matrices, Vectors, Polar Coordinates; and Sequences & Series. Scholars are expected to have mastered the key concepts from Algebra II and Geometry. A TI 84 plus graphing calculator is required. **Prerequisite:** *Grade of B or better in Algebra II H and Geometry H, or grade of A in Algebra II CP and Geometry CP, and recommendation of mathematics teacher.*

CALCULUS HONORS**CRS H2232****GR 12****CR 1 Y**

Calculus Honors is a survey course dealing with topics from the first semester of a college calculus course. The topics covered include: a review of pre-calculus and trigonometry topics, limits, continuity derivatives and include their applications, and integrals and their applications. A TI 84 plus graphing calculator is required. **Prerequisite:** *Grade of C or better in Pre-calculus, recommendation of mathematics teacher, and placement exam.*

AP CALCULUS - AB**CRS H2234****GR 11 – 12****CR 1 Y**

This course is an introduction to the fundamentals of differential and integral calculus for scholars planning to take advanced mathematics courses in college. Topics covered include: limits and continuity, the definition of differentiation and its fundamental properties, differentiation of composite, implicit, and inverse functions, contextual and analytical applications of differentiation, integration and accumulation of change, differential equations and applications of integration. Calculus AB is the equivalent of one semester of college calculus. Scholars in this course are required to take the Calculus AB exam. A TI-84 plus graphing calculator is required. **Prerequisites:** *Grade of B or better in Pre-Calculus Honors, recommendation of mathematics teacher, and placement exam.*

AP CALCULUS - BC**CRS H2235****GR 11 – 12****CR 1 Y**

This course is an introduction to the fundamentals of differential and integral calculus for scholars planning to take advanced mathematics courses in college. Topics covered include: limits and continuity, the definition of differentiation and the fundamental properties, differentiation of composite, implicit, and inverse functions, contextual and analytical applications of differentiation, integration and accumulation of change, differential equations and applications of integration, parametric equations, polar coordinates and vector-valued functions, infinite sequences and series. Calculus BC is the equivalent of two semesters of college calculus. Scholars in this course are required to take the exam for Calculus BC. A TI-84 plus graphing calculator is required. **Prerequisites:** *Grade of B or better in Pre-Calculus Honors, recommendation of mathematics teacher, and placement exam.*

PROBABILITY AND STATISTICS**CRS H2237****GR 11 – 12****CR 1 Y**

This course will cover topics including data collection and ethics, random variables, and statistical measure of data, and probability concepts. Computer software (spreadsheets and data graphing) will be used. It is offered as an elective for college preparatory credit and for a mathematics credit. **Prerequisite:** *Grade of D- or better in Algebra II and recommendation of mathematics teacher.*

AP STATISTICS**CRS H2238****GR 10 – 12****CR 1 Y**

This course is equivalent to a college statistics course and covers the entire College Board topic outline for AP Statistics. Scholars will be introduced to the major tools for collecting, analyzing, and drawing conclusions from data through four major conceptual themes: describing patterns and departures from patterns, planning and conducting a study, exploring random phenomena using probability, and estimating population parameters and testing hypotheses. This course requires strong math, reading, writing, and higher level thinking skills. Scholars in this course are required to take the exam for Statistics. A TI 84 plus graphing calculator is required. ***Prerequisite: of B+ or better in Algebra II H with teacher recommendation, or, with the recommendation of the mathematics teacher, an A- or better Geometry H if taken concurrently with Algebra II H.***

ALGEBRA & TRIGONOMETRY: A FUNCTIONS APPROACH**CRS H2258****GR 11 – 12****CR 1 Y**

This course is a fourth-year math course designed to help scholars acquire a solid foundation in algebra and trigonometry and prepare them for college math courses. The course provides a functions-based approach to the study of linear, polynomial, rational, exponential and logarithmic functions with an emphasis on multiple representations and real-life applications. It also presents basic concepts in trigonometry, including the definitions of trigonometric functions, graphs, radian measure, trigonometric identities and equations, and solving triangles. Additional topics may include electricity, vectors, complex numbers, matrices and sequences. These topics will be supplemented with practice and preparation for college entrance and placement exams, including the SAT and Accuplacer. A TI-84 plus graphing calculator is recommended. Scholars who have passed Pre-Calculus cannot take this course for credit. ***Prerequisite: Grade of C or better in Algebra II H, or grade of B-or better in Algebra II CP; plus a score of proficient or higher on the grade 10 math MCAS, and recommendation of a mathematics teacher.***

AP COMPUTER SCIENCE – A**CRS H2246****GR 11 – 12****CR 1 Y**

This is an advanced computer-science programming course with emphasis on Java programming. It provides scholars with the opportunity to apply mathematical applications using object-oriented programming (OOP) and object-oriented design (OOD) with an emphasis on classes, methods, looping and logic, algorithms and inheritance. This course follows a syllabus approved by the College Board, with a professionally developed case study, and will prepare scholars for the AP Computer Science exam, which is mandatory. ***Prerequisites: Passing grade in Intro to Programming and a B- or better in Algebra II. Technology option***

ADVANCED QUANTITATIVE REASONING**CRS H2263****GR 11 – 12****CR 1 Y**

This course is a fourth-year math course designed to help scholars continue their study of mathematics as an alternative to pre-calculus. In this course, scholars will apply their reasoning, modeling and change, analyzing information and decision-making skills with an emphasis on real-world problem solving and applications. Topics will include: vector and matrix quantities, trigonometric functions, statistics and probability, and conic sections. ***Prerequisites: Grade of C or better in Algebra II and recommendation of mathematics teacher. NOTE: Scholars who have passed Pre-Calculus cannot take this course for credit.***

SCIENCE AND ENGINEERING

The science curriculum is designed to develop science literacy for all scholars. Globalization of information and economies has made it imperative that scholars understand scientific processes and content. Scholars are required to take three (3) college preparatory courses in the sciences (including 2 courses with laboratory work). Semester science courses without a laboratory component typically do not satisfy the science entrance requirement of four-year colleges.

BIOLOGY HONORS

CRS H3313

GR 9

CR 1 Y

Biology Honors is a rigorous course emphasizing the following topics: molecules to organisms (structures and processes), ecosystems (interactions, energy and dynamics), heredity (inheritance and variation of traits), and biological evolution (unity and diversity). Scholars are expected to apply conceptual knowledge to interpret the biological world. Emphasis is placed on those topics and types of questions likely to be seen on the Biology MCAS test. With all honors level science classes, evaluation includes challenges beyond the classroom setting such as independent projects and self-directed learning experiences.

Prerequisite: Recommendation of Grade 8 science teacher.

BIOLOGY CP

CRS H3315

GR 9

CR 1 Y

Biology CP is a challenging course emphasizing the following topics: molecules to organisms (structures and processes), ecosystems (interactions, energy and dynamics), heredity (inheritance and variation of traits), and biological evolution (unity and diversity). Scholars are expected to apply conceptual knowledge to interpret the biological world. Emphasis is placed on those topics and types of questions likely to be seen on the Biology MCAS test. All scholars will be expected to take the Biology MCAS test at the conclusion of this course as part of their high school graduation requirement. **Prerequisite: Recommendation of Grade 8 science teacher.**

ELD BIOLOGY CP

CRS H7343

GR 9

CR 1 Y

Biology CP is a challenging course emphasizing the following topics: molecules to organisms (structures and processes), ecosystems (interactions, energy and dynamics), heredity (inheritance and variation of traits), and biological evolution (unity and diversity). Scholars are expected to apply conceptual knowledge to interpret the biological world. Emphasis is placed on those topics and types of questions likely to be seen on the Biology MCAS test. All scholars will be expected to take the Biology MCAS test at the conclusion of this course as part of their high school graduation requirement. **Prerequisite: Recommendation of Grade 8 science teacher.** Intended for scholars in ELD 1 and 2.

ECOSYSTEMS & ENVIRONMENTS

CRH3443

GR 10 – 11

CR 1 Y

Ecosystems and Environments is a course based in the MA DESE Biology frameworks for students who need to further develop their content knowledge in Biology and the science practices. The content emphasizes the following topics: molecules to organisms (structures and processes), ecosystems (interactions, energy and dynamics), heredity (inheritance and variation of traits), and biological evolution (unity and diversity). Units of study include an emphasis on collaboration and hands-on learning. Scholars will take the Biology MCAS in February. **Prerequisite: Recommendation of the Dean of Science.**

INTERVENTION BLOCK: GR 9 BIOLOGY

CRS INT9B

GR 9

CR ½ S

Biology Intervention is a course designed to give scholars the opportunity to strengthen their content knowledge in four areas: molecules to organisms, ecology, heredity, and evolution. In addition, scholars will focus on developing stronger science skills such as data analysis, graphing, and interpreting models. Scholars will also learn about test taking strategies.

Prerequisites: Recommendation from their Biology teacher or based on 8th grade MCAS data, taken in conjunction with Biology.

FUNDAMENTALS BIOLOGY

CRS H8355

GR 9

CR 1 Y

This course is based on the MA Frameworks and parallels the general education program of studies in Biology. Scholars will cover the following topics: Molecules to organisms (structures and processes), ecosystems (interactions, energy, and dynamics) heredity (inheritance and variation of traits), and biological evolution (unity and diversity). Scholars will be expected to take the Biology MCAS test at the conclusion of this course as part of their high school graduation requirement.

FUNDAMENTALS OF ECOSYSTEMS & ENVIRONMENTS

CRS H9700

GR 10 – 11

CR 1 Y

This course is based on the MA Frameworks and parallels the general education program of studies in Ecosystems & Environment. It is a course that allows students to further develop their content knowledge in Biology and the science practices. The content emphasizes the following topics: molecules to organisms (structures and processes), ecosystems (interactions, energy and dynamics), heredity (inheritance and variation of traits), and biological evolution (unity and diversity). Units of study include an emphasis on collaboration and hands-on learning. Scholars will take the Biology MCAS in February

AP BIOLOGY**CRS H3317 GR 11 – 12 CR 1 Y**

AP Biology is designed to be the equivalent of a college introductory course usually taken by science majors during their first year. It provides scholars with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the dynamics of biological science in today's world. The four "Big Ideas" covered in the course are as follows: (1) The process of evolution drives the diversity and unity of life, (2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis, (3) Living systems store, retrieve, transmit, and respond to information essential to life processes and (4) Biological systems interact and these systems and their interactions possess complex properties. Scholars take the national AP Biology examination in May. **Co-requisite: Biology AP Lab Prerequisite: Minimum grade of B- in Biology; and Chemistry or concurrent enrollment in Chemistry.** ✓ **School to Career requirement option when taken as a 4th year of Science.**

AP BIOLOGY LAB**CRS H3317L GR 11 – 12 CR 1 Y**

This lab course provides scholars with the lab experience essential in all college introductory Biology courses. The labs are designed to support the content covered in AP Biology and scholars must be concurrently enrolled in that course. Scholars will be expected to write complete laboratory reports following a model template for each College Board Lab as well as independently design and test hypotheses with teacher approval that stem from their own research. **Co-requisite: AP Biology. Non-weighted course.**

CHEMISTRY HONORS**CRS H3319 GR 10 – 12 CR 1 Y**

Chemistry Honors presents the basic principles of chemistry. This is a rigorous course dealing with the properties, composition and structure of matter, the changes that occur in matter, and the energy relationships involved in these changes. The course focuses on the structure of matter and chemical dynamics. Topics include properties of matter, atomic structure, periodicity, chemical bonding. The course will also cover chemical reactions and stoichiometry, gasses and kinetic molecular theory, aqueous solutions, acids and bases, and equilibrium. Lab work is an integral part of the course. As with all Honors level science classes, evaluation includes challenges beyond the classroom experience. **Prerequisite: B- in Biology and Algebra I and recommendation of a science teacher.**

CHEMISTRY CP**CRS H3321 GR 10 – 12 CR 1 Y**

College-Prep Chemistry presents the basic principles of chemistry. This course deals with the properties, composition and structure of matter, the changes that occur in matter, and the energy relationships involved in these changes. The course focuses on the structure of matter and chemical dynamics. Topics include properties of matter, atomic structure, periodicity, chemical bonding, chemical reactions and stoichiometry, gasses and kinetic molecular theory, aqueous solutions, acids and bases, equilibrium. Lab work is an integral part of the course. **Prerequisite: Completion of Algebra I and Biology with a passing grade and recommendation of a science teacher.**

AP CHEMISTRY**CRS H3324 GR 11 – 12 CR 1 Y**

Chemistry is designed to meet the objectives of a general chemistry course at the college level. This offering should contribute to the development of the scholar's ability to think clearly and to express ideas orally and in writing with clarity and logic. The course includes the study of chemical principles, chemical equilibrium, thermodynamics, atomic and molecular structure, and aqueous solution chemistry and includes significant lab work. Scholars who select AP Chemistry must take the Examination in Chemistry. **Co-requisite: AP Chemistry Lab. Prerequisites: Minimum grade of B in Chemistry and recommendation of a science teacher**

AP CHEMISTRY LAB**CRS H3324I GR 11 – 12 CR 1 Y**

This lab course provides scholars with the lab experience required in college level chemistry courses. The labs are designed to support the content covered in AP Chemistry and scholars must be concurrently enrolled in that course. **Co-requisite: AP Chemistry Non-weighted course.**

ANATOMY & PHYSIOLOGY HONORS**CRS H3323 GR 11 – 12 CR 1 Y**

This is a rigorous, in-depth course recommended for prospective scholars of nursing, physical therapy and related medical fields. Areas studied include cell structure and biochemistry, histology, anatomy and physiology of the human systems including skeletal, muscular, digestive, circulatory, respiratory, excretory, nervous, endocrine, and reproductive systems. Dissection is an integral part of this course in past years. Alternatives to dissection are available for any scholar who objects to dissection and whose parent or guardian sends a written request to the school. There will be worksheets for independent study, chapter tests, laboratory practical exams, lab reports, assigned class work and homework. **Prerequisite: A minimum grade of B- in Biology or Chemistry and recommendation of a science teacher.**

ANATOMY & PHYSIOLOGY CP**CRS H3321****GR 11 – 12****CR 1 Y**

This course is recommended for scholars who are interested in human body anatomy and physiology and provides a survey of cell structure and biochemistry, histology, anatomy and physiology of the human systems including skeletal, muscular, digestive, circulatory, respiratory, excretory, nervous, endocrine, and reproductive systems. Dissection is an integral part of this course in past years. Alternatives to dissection are available for any scholar who objects to dissection and whose parent or guardian sends a written request to the school. There will be chapter tests, lab reports, as well as assigned class work and homework.

Prerequisite: *A C in Biology or Chemistry and recommendation of a science teacher.*

CTE PLTW PRINCIPLES OF BIOMEDICAL SCIENCE HONORS**CRS H3432****GR 9****CR 1 Y**

Principles of Biomedical Science is the first course in the Project Lead the Way Biomedical Pathway. Scholars in the course combine the studies of biology and medicine to investigate medical cases while working with the same equipment used by lab technicians and healthcare workers. The course includes inquiry based learning units that incorporate physiology, microbiology, research practices, public health, and biology. Scholars will often be working in collaborative groups which foster critical thinking and communication skills. **Prerequisites:** *scholars must be in the PLTW pathway and concurrently enrolled in Biology*

CTE PLTW HUMAN BODY SYSTEMS HONORS**CRS H3435****GR 10****CR 1 Y**

Human Body Systems is the second course in the Project Lead the Way Biomedical Pathway. Scholars in this course examine the interactions of the body systems focusing on identity, power, protection, movement and homeostasis. This course includes solving real world medical cases and learning about various medical professions. **Prerequisites:** *scholars must be in the PLTW pathway.*

CTE PLTW MEDICAL INTERVENTIONS HONORS**CRS H3439****GR 11 – 12****CR 1 Y**

Medical Interventions is the third course in the ProjectThrough real-world cases, scholars are exposed to a range of techniques related to immunology, surgery, genetics, pharmacology, biotechniques, medical devices, and diagnostics. Each case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses, as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role scientific thinking and engineering design play in the development of interventions of the future. **Prerequisites:** *scholars must be in the PLTW pathway.*

CTE PLTW BIOMEDICAL INNOVATION (CAPSTONE) HONORS**CRS H9691 CTE****GR 12****CR 1 Y**

Biomedical Innovation is the fourth course in the Project Lead the Way Biomedical Pathway. Students use their knowledge gained from the three previous PLTW Biomedical classes to design innovative solutions to a variety of health challenges facing people in the 21st century. Students may investigate topics such as: biomedical engineering, public health, clinical medicine and physiology. During the course, they will complete their capstone project. They will have a mentor/advisor such as an HHS science teacher or a professional from industry such as a medical facility or research institution. **Prerequisites:** *scholars must be in the PLTW pathway.*

EARTH SCIENCE HONORS**CRS H3308****GR 10 – 12****CR 1 Y**

This course is designed to give scholars the opportunity for a rigorous in-depth study of Geology, including rocks and minerals, earthquakes, volcanoes, plate tectonics, earth processes, cycles and formation, erosion and weathering, development of soils, renewable and non-renewable resources. Scholars will also explore Geologic time, Oceanography, Meteorology and Space Science topics. Lab work is an integral part of the course. Evaluation includes challenges beyond the classroom experiences.

Prerequisites: *B- or better in Algebra I or Biology and recommendation of a science teacher.*

EARTH SCIENCE CP**CRS H3309****GR 10 – 12****CR 1 Y**

This course is designed to give scholars the opportunity for an in-depth study of Geology, including rocks and minerals, earthquakes, volcanoes, plate tectonics, earth processes, cycles and formation, erosion and weathering, development of soils, renewable and non-renewable resources. Scholars will also explore Geologic time, Oceanography, Meteorology and Space Science topics. Lab work is an integral part of the course. Evaluation includes challenges beyond the classroom experiences.

Prerequisites: *Algebra I, Biology and recommendation of a science teacher.*

ENVIRONMENTAL SCIENCE CP**CRS H3335****GR 10 – 12****CR ½ S**

Environmental Science is a study of interactions among organisms (including humans) and their environments. These complex relationships result in the survival success of species, the health of biological communities, and the future of our biosphere (the living area of the earth). This class also includes the following topics: water, solid and hazardous wastes, air pollution and global climate change. This course does not meet college lab science requirements. **Prerequisite:** *Recommendation of a Science Teacher.*

FUNDAMENTALS ENVIRONMENTAL SCIENCE**CRS H8358****GR 11****CR 1****Y**

This course is based on the MA Framework and parallels the general education program of studies in Environmental Science. Scholars will cover the interactions of organisms in their environment, the health of biological communities, and the future of the biosphere. **Team Approval Required.**

AP ENVIRONMENTAL SCIENCE**CRS H3336****GR 11 – 12****CR 1****Y**

The goal of the AP Environmental Science course is to provide scholars with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. **Prerequisites: A minimum of B- in Biology, Earth Science and recommendation of a science teacher.**

FORENSIC SCIENCE**CRS H3372****GR 10 – 12****CR ½****S**

Forensic Science is the application of science (chemistry and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, arson, trace evidence analysis, poisons, drugs and blood samples. Scholars are taught the proper collection, preservation, and laboratory analysis of various samples. **Prerequisites: Biology and Algebra I.**

CSI - CRIME SCENE INVESTIGATION**CRS H3373****GR 10 – 12****CR ½****S**

CSI is the application of physics to solve criminal investigations. It includes ballistics, crash scene evidence, blood splatter, the history of criminology. Scholars are taught proper collection, preservation, and laboratory analysis for various samples. **Prerequisites: Biology and Algebra I**

METEOROLOGY CP**CRS H3349****GR 10 – 12****CR ½****S**

Meteorology is a semester course that explores the factors affecting weather and climate. This course will focus on New England weather, global weather patterns, climate, and climate change. Lab experiences are an integral part of this course. **Prerequisite: Recommendation of a Science Teacher.**

PHYSICS HONORS**CRS H3325****GR 10 – 12****CR 1****Y**

Physics Honors is a rigorous, fast-paced and in-depth presentation of basic physical principles that require both a deep understanding of qualitative concepts as well as proficiency in mathematical methods. The course may include a review of algebra; unit conversions; scientific notation; kinematics, forces and their effect on motion; work and energy; linear momentum, heat, electromagnetism, waves, optics and other topics as time permits. Scholars are expected to integrate these concepts and apply them to novel situations. Lab investigations, which are a significant component of the course, are designed to foster engagement in the practice of scientific investigations through experimenting, analyzing, making hypotheses, and solving problems in a collaborative setting. **Prerequisite: Minimum grade of B- in Algebra 1, Biology, and recommendation of science teacher.**

PHYSICS CP**CRS H3327****GR 10 – 12****CR 1****Y**

Physics College Prep presents basic physical principles that require both an understanding of qualitative concepts as well as proficiency in mathematical methods. The course may include a review of algebra; unit conversions; scientific notation; kinematics, forces and their effect on motion; work and energy; and linear momentum. Scholars are expected to integrate these concepts and apply them to a variety of situations. Laboratory work is an integral part of the course. **Prerequisite: A passing grade Algebra 1, Biology and recommendation of science teacher.**

CTE PLTW INTRODUCTION TO ENGINEERING DESIGN HONORS**CRS H9658****GR 9 – 10****CR 1****Y**

The major focus of the IED course is to expose scholars to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Scholars will use 3D solid modeling design software to help them design solutions to solve proposed problems. Scholars will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community. **Prerequisites: scholars must be enrolled in the PLTW Engineering pathway and concurrently enrolled in Biology.**

CTE PLTW PRINCIPLES OF ENGINEERING HONORS**CRS H9657****GR 11 – 12****CR 1 Y**

This course is based on the Project Lead the Way program. It provides a hands-on introduction to engineering and the engineering design process. Through assignments and projects, scholars learn how to: identify a problem, develop alternative solutions, select the best alternative, make critical decisions, and work as a team. Scholars will focus on mechanical, electrical engineering, and civil engineering. Scholars will also be introduced to CAD and basic programming. **Prerequisites: scholars must be enrolled in the PLTW Engineering pathway or have passed PLTW IED.**

CTE PLTW PRINCIPLES OF ENGINEERING HONORS**CRS H9659****GR 11 – 12****CR 1 Y**

This course covers fundamentals of analog and digital electronics. Scholars learn about the different number systems used in the design of digital circuitry. They design circuits to solve open-ended problems, assemble their solutions and trouble-shoot them as necessary. Scholars then use combined logic, integrated circuits and microprocessors to solve open-ended problems. **Prerequisites: scholars must be enrolled in the PLTW Engineering pathway or have passed PLTW POE.**

AP PHYSICS I**CRS H3368****GR 12****CR 1 Y**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. **Prerequisites: Grade of B or better in Algebra II and Chemistry.**

EMERGENCY MEDICAL TECHNICIAN (EMT)**CRS H8881****GR 12****CR 2 Y**

This is a double period course; attendance all year for BOTH class periods is necessary. Course meets/exceeds ALL state and National educational requirements for EMTs. Scholars successfully completing the course are eligible for the certification exams. A rigorous course of instruction will teach you to work with diverse patient populations and assess/treat patients who are sick and/or injured - at home, in a car accident, in a nursing home, or at school. Learn how to check pulses, evaluate lung sounds and difficulty breathing, chest and/or abdominal pain, check blood pressures, splint broken bones, stop bleeding, deliver babies, administer a variety of medications, and more. Scholars completing the course will understand limits placed on their scope of practice by the Statewide Treatment Protocols. Use of and practice using equipment found on State-licensed ambulances is included in course activities. Perfect your skills in skill development labs as well as in the Medical Lab with SimMan(c) - our human equivalent simulation manikin. It breathes, has a heartbeat, and its eyes blink. Course includes CPR certification, Child Abuse/Mandated Reporter certification, Management of Aggressive Behaviors (MOAB), and FEMA courses/certifications necessary for employment as an EMT. Course is strongly recommended for those seeking a career in medicine. Opportunities available for ride-along experience with a local ambulance service, patient care activities observation in a local emergency department, and participation in the State certification exam as a "patient" are available during the second semester. Mandatory immunization list and observation experience paperwork is available from the instructor.

NOTE: 100% attendance required by the Commonwealth of Massachusetts for certification exam eligibility. Missed class sessions MUST BE made up with the instructor before a scholar will be eligible to attempt either the cognitive or psychomotor exams.

Certification Information: Scholars successfully completing the course are eligible to take the State psychomotor certification exam (\$250.00) and the National Registry of EMTs (NREMT) cognitive exam (\$108.00). State EMT Certification Registration fee is due once all exams are successfully completed (\$150.00). **Prerequisites: Strongly recommend Anatomy & Physiology. 🏆 School to Career requirement option.**

STEM TECHNOLOGY

GAME DESIGN

CRS H6636

GR 10 – 12

CR ½

S

Game Design offers scholars an opportunity to learn the programming concepts needed to design and develop computer games. Scholars learn about and use loops, variables, functions, and conditionals along with game development applications like Codesters. Scholars will also learn how to create and edit graphics. Scholar projects range from beginner to advance with all scholars completing a final game in order to complete the course. **✓ School to Career requirement option, Technology option.** CAP 20 Students.

INTRODUCTION TO PROGRAMMING

CRS H2243

GR 10 – 12

CR ½

S

Introduction to Programming uses Python as a basis for learning general programming skills. Scholars learn programming principles by comparing Python to other programming languages. They use models as a way to quickly solve new problems using knowledge and techniques already learned. In addition to programming, scholars learn program design, documentation, formal debugging, and testing. Scholars will strengthen their public speaking skills by presenting projects to community leaders. Finally, scholars examine career opportunities in programming. **Prerequisite: Completion of Algebra I.** **✓ School to Career requirement option, Technology option.** CAP 20 Students.

ROBOTICS

CRS H2280

GR 9 – 12

CR ½

S

Robotics provides scholars with the opportunity to apply math and engineering to learn how robots are built, move, and “think.” Scholars get hands-on experience with various robotic technologies currently used at Carnegie Mellon and other colleges; building robots, and developing programs to make them move and learning to use sensors. **Prerequisite: Completion of Algebra I.** **✓ School to Career requirement option, Technology option.** CAP 18 Students.

AP COMPUTER SCIENCE - A

CRS H2246

GR 11 – 12

CR 1

Y

This is an advanced computer-science programming course with emphasis on Java programming. It provides scholars with the opportunity to apply mathematical applications using object-oriented programming (OOP) and object-oriented design (OOD) with an emphasis on classes, methods, looping and logic, algorithms and inheritance. This course follows a syllabus approved by the College Board, with a professionally developed case study, and will prepare scholars for the AP Computer Science exam, which is mandatory. **Prerequisites: Passing grade in Intro to Programming and a B- or better in Algebra II.** **Technology option.**

AP COMPUTER SCIENCE PRINCIPLES

CRS H9671

GR 11 – 12

CR 1

Y

AP Computer Science Principles introduces students to the creative aspects of programming, abstractions, algorithms, large datasets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving, without the need for previous programming experience. Students will have the opportunity to create socially useful applications of their own design. **Prerequisite: successful completion of Algebra I with a B- or better.** **School to Career requirement option. Technology option.**

COMPUTER TECHNOLOGY

CRS H6601

GR 9 – 12

CR ½

S

Computer Technology is an initial course in computer science and applications offering students a wide exposure to computer applications (G Suites) which will make their academic efforts more effective. Students will also explore introductory concepts in computer science allowing them to make informed decisions about future computer courses and/or careers. The course provides an overview of information technology and introduces students to the basics of hardware and software. Students examine hardware components including peripherals, connectors, and memory. Students explore common operating systems, software applications, and programming languages. Students learn about types of networks and consider contemporary issues such as security, privacy, and technological inequality. Finally, students explore career opportunities in IT. **School to Career requirement option. Technology option.** CAP 20 Students

WEB DEVELOPMENT AND DESIGN I

CRS H6632

GR 10 – 12

CR ½

S

This class is an introduction to the design, creation, and maintenance of web pages and websites. Students learn how to critically evaluate website quality, learn how to create and maintain quality web pages, learn about web design standards and why they are important, and learn to create and manipulate images. The course progresses from introductory work on web design to a culminating project in which students design and program their own websites for local community / high school organizations and groups. Students will be introduced to HTML5, CSS3 and JavaScript/Typescript (programming languages). Leading to a culminating project. **Prerequisite: Intro to Programming or completion of Algebra I.** **Technology option.** CAP 20 Students

3D PRINTING

CRS H6652

GR 11 – 12

CR ½ S

This class will introduce the concept of 3D modeling, prototyping, replication/construction and design. In addition to building a 3D printer from a kit, students will be producing 3D printed projects by designing printable 3D models using TinkerCad, a cloud based 3D modeling software. **Prerequisites:** *Cap 16 Students. School to Career requirement option, Technology option, Art Grad Requirement option.*

CAREER TECHNICAL EDUCATION (CTE)

Career Technical Education (CTE) and Career Vocational Technical Education (CVTE) programs are a sequence of rigorous technical courses aligned with industry standards. Scholars travel together as a cohort. College and career planning activities and work-based learning opportunities are embedded into all programs.

The Department of Elementary and Secondary Education (DESE) defines Career and Technical Education as follows. The term ‘career and technical education’ means organized educational activities that— (A) offer a sequence of courses that— “(i) provides individuals with coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions; “(ii) provides technical skill proficiency, an industry-recognized credential, a certificate, or an associate degree and (B) include competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of All Aspects of an Industry, including entrepreneurship.

Haverhill High School is able to offer a wider variety of technical courses and electives to round out a scholar’s education. Additionally, Haverhill High School offers rigorous Advanced Placement courses and concurrent enrollment opportunities for those scholars interested in attending highly competitive universities and colleges. Alternatively, scholars will be positioned to complete post-secondary certificate programs or immediately enter the high-demand STEM workforce.

All CTE programs require an application and interview but do not require an entrance exam. Both incoming freshmen and current Haverhill High School freshmen are eligible to apply. <https://cte.haverhill-ps.org/>

Healthcare Occupations (CTE)

Healthcare workers make a positive impact on patient’s lives by providing clinical support to a healthcare team in medical offices and clinics. They provide direct patient care, collect and prepare lab specimens, perform basic tests and update medical records. Scholars may be eligible for professional certifications such as CNA or EMT.

Programming & Web Development (CVTE)

In this approved vocational program, scholars learn and build skills in topics such as fundamentals of information technology, elements of software development, programming concepts in modern industry programming languages, and modern web development. Additionally, scholars explore careers in the field of technology, and gain skills in employability and career readiness

Information Technology (CVTE)

In this approved vocational program, scholars will gain a variety of skills across a broad spectrum of hardware and software solutions that drive technological innovation in modern society. Through hands-on real-world projects students will learn: basic robotics engineering concepts; object-oriented programming; how to assemble a computer and install operating systems; PC hardware and software maintenance; how to build 3D printers and design prototypes; network architecture; cyber security and database management.

Project Lead the Way Biomedical Science (CTE)

In this program students use professional lab equipment, expert guidance from teachers and their own curiosity to explore aspects of the human body, solve medical mysteries, and prepare for college and careers in biotechnology, lab sciences, and medicine.

Project Lead the Way Engineering/Manufacturing (CTE)

Students in the PLTW Engineering/Manufacturing Program use the Engineering Design Process to solve real-world problems through an exploration of mechanical engineering, electrical engineering and manufacturing concepts, as well as prepare for college and careers in multiple fields of engineering and manufacturing.

CTE HEALTHCARE OCCUPATIONS PROGRAM REQUIRED COURSES

CTE FUNDAMENTALS OF HEALTHCARE OCCUPATIONS I


HONORS S1

CRS H9692CTE

GR 9

CR ½

S1

The Fundamentals of Healthcare Occupations I course will provide scholars with opportunities to develop a strong foundation in the fundamentals of healthcare through rigorous coursework and practical skills experience using state-of-the-art equipment and evidence-based practices. This course challenges scholars through exploration of healthcare careers and workplace settings, communicating and interacting with diverse populations, infection control and safety protocols, introduction to medical terminology, measuring and recording vital signs, observing and responding to patient needs, introduction to anatomy and physiology through the study of major body systems in relation to patient care. Scholars will have the opportunity to earn certification in First Aid for First Responders.  **School to Career requirement option**

CTE FUNDAMENTALS OF HEALTHCARE OCCUPATIONS I


HONORS S2

CRS H9693CTE

GR 9

CR ½

S2

The Fundamentals of Healthcare Occupations I course will provide scholars with opportunities to develop a strong foundation in the fundamentals of healthcare through rigorous coursework and practical skills experience using state-of-the-art equipment and evidence-based practices. This course challenges scholars through exploration of healthcare careers and workplace settings, communicating and interacting with diverse populations, infection control and safety protocols, introduction to medical terminology, measuring and recording vital signs, observing and responding to patient needs, introduction to anatomy and physiology through the study of major body systems in relation to patient care. Scholars will have the opportunity to earn certification in First Aid for First Responders.  **School to Career requirement option**

CTE PROFESSIONALISM IN HEALTHCARE OCCUPATIONS II


HONORS

CRS H9623

GR 10

CR 1

Y

The Professionalism in Healthcare Occupations II course will build on content from CTE Fundamentals of Healthcare Occupations I Honors and provide scholars with more in-depth rigorous coursework and practical skills experience using state of the art equipment, hands-on patient care techniques, and enhanced real world case scenarios. Scholars will focus on developing professionalism, understanding legal and ethical obligations as well as scope of practice parameters for healthcare providers. Patient care emphasis is on safe patient handling, activities of daily living, patient rights and respecting diversity...Workplace safety and security is reinforced as scholars work to earn their OSHA certification for General Industry (healthcare concentration). Scholars expand their emergency response preparedness and are eligible to earn Healthcare Provider level BLS certification through the American Heart Association. Scholars also earn their certificate in the Dean Vaughn program of Medical Terminology. **Prerequisite: Passing Grade in CTE Fundamentals of Healthcare Occupations I Honors.**  **School to Career requirement option.**

CTE NURSE AIDE TRAINING COURSE (DHP APPROVED)


HEALTHCARE OCCUPATIONS III HONORS (Double Period)

CRS H9624

GR 10

CR 2

Y

The Nurse Aide Training Healthcare Occupations III course is a Department of Public Health approved Certified Nursing Assistant program which builds on a working knowledge of healthcare fundamentals from CTE Fundamentals of Healthcare Occupations I Honors and CTE Professionalism in Healthcare Occupations II Honors. This is a rigorous and challenging double block program that is designed around a humanistic approach to healthcare. There is an increased focus on direct patient care through simulations in our medical learning lab as well as required clinical hours. Course topics emphasize care of residents in long-term care settings, geriatrics, disabled persons, activities of daily living such as bathing, grooming, dressing and feeding. This year also includes state mandated dementia training and certification. Course objectives focus on the role and scope of practice of the professional CNA with the goal of qualifying to take the Massachusetts Prometrics CNA examination. **Prerequisites: Passing Grade in CTE Fundamentals of Healthcare Occupations I Honors and CTE Professionalism in Healthcare Occupations II Honors.**  **School to Career requirement option.**

CTE HEALTHCARE OCCUPATIONS IV HONORS**CRS H9625****GR 12****CR ½ S**

The Healthcare Occupations IV course is a summation of the prior healthcare courses that continues to build on existing and acquired knowledge of the patient care continuum with a focus on direct patient care through simulations in our medical learning lab. Advanced units of study are based on student interest and demand. These topics include but are not limited to pediatrics, mental health, principles of lab testing, safe medication handling, and EKG. During senior year, scholars in CTE Healthcare Occupations IV must also complete Healthcare Capstone CRS H9627. **Prerequisites: Passing Grade in CTE Fundamentals of Healthcare Occupations I Honors, CTE Professionalism in Healthcare Occupations II Honors, and CTE Nurse Aid Training (DPH Approved) Healthcare Occupations III Honors.** ✓ **School to Career requirement option.**

CTE HEALTHCARE OCCUPATIONS CAPSTONE HONORS**CRS H9627****GR 12****CR ½ S**

The purpose of this capstone project is to demonstrate a scholar's mastery and knowledge of what they have learned during their studies in health assisting and apply them to real world situations. Working with a mentor, scholars will develop a proposal for a capstone project, integrating concepts and skills learned throughout their four years in the CTE Healthcare Occupations Program. Each project must include a deliverable such as a process, procedure, prototype or community-based project. At the end of the semester, scholars showcase and present their projects at a Capstone Expo. **Prerequisites: Passing Grade in Fundamentals of Healthcare Occupations I Honors, CTE Professionalism in Healthcare Occupations II Honors, and CTE Nurse Aid Training (DPH Approved) Healthcare Occupations III Honors.-** ✓ **School to Career option**

CVTE INFORMATION TECHNOLOGY PROGRAM**REQUIRED COURSES****CVTE INFORMATION TECHNOLOGY:****PRINCIPLES OF IT HONORS****CRS H9653****GR 9****CR 1 Y**

This is the first course scholars take in the CVTE Information Technology and Programming and Web Development Programs. It provides an overview of information technology and introduces scholars to the basics of hardware and software. Scholars examine hardware components including peripherals, connectors, and memory. Scholars explore aspects of computer software, learning and using common operating systems, software applications, and programming languages. Scholars will learn the basics of programming by programming robots, developing websites and with the use of Python. Scholars learn about types of networks and network topology, and they set up an email client/server connection. Scholars also consider contemporary issues such as security, privacy, and technological inequality. Scholars will strengthen their public speaking skills by presenting projects to community leaders. Finally, scholars explore career opportunities in IT. **This course is a requirement for the IT Program** ✓ **School to Career requirement option.**

CVTE INFORMATION TECHNOLOGY:**CISCO IT ESSENTIALS HONORS****CRS H9675****GR 10****CR 1 Y**

The IT Essentials course covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, and the responsibilities of an IT professional. Scholars who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. IT Essentials helps scholars prepare for entry-level Information & Communications Technology career opportunities and the CompTIA A+ certification, which helps scholars to differentiate themselves in the marketplace and advance their careers. **This course is a requirement for the IT Program** **Prerequisites: Passing Grade in Principles of IT and Intro to Programming.** ✓ **School to Career requirement option**

CVTE INFORMATION TECHNOLOGY:**INTRODUCTION TO PROGRAMMING HONORS****CRS H9652****GR 10****CR ½ S**

Introduction to Programming uses Python as a basis for learning general programming skills. Scholars learn programming principles by comparing Python to other programming languages. They use models as a way to quickly solve new problems using knowledge and techniques already learned. In addition to programming, scholars learn program design, documentation, formal debugging, and testing. Scholars will strengthen their public speaking skills by presenting projects to community leaders. Finally, scholars examine career opportunities in programming. **This course is a requirement for the IT Program** **Prerequisites: Passing Grade in Principles of IT.** ✓ **School to Career requirement option**

CVTE INFORMATION TECHNOLOGY:**3D PRINTING HONORS****CRS H9654****GR 11****CR ½ S2**

This class will introduce the concept of 3D modeling, prototyping, replication/construction and design. In addition to building a 3D printer from a kit, scholars will be producing 3D printed projects by designing printable 3D models using TinkerCad, a cloud based 3D modeling software. **Prerequisites: This course is a requirement for the IT Program.** ✓ **School to Career requirement option, Technology option, Art graduation requirement option.**

CVTE INFORMATION TECHNOLOGY:**CISCO INTRODUCTION TO NETWORKS HONORS****CRS H9676****GR 11****CR 1 Y**

Introduction to Networks introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, scholars will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. Prerequisites: Passing Grade in Principles of IT, Intro to Programming and IT Essentials/Computer Systems. **This course is a requirement for the IT Program.** **Prerequisites: Passing Grade in Principles of IT, IT Essentials.** ✓ **School to Career requirement option.**

CVTE INFORMATION TECHNOLOGY:**ADVANCED NETWORKING & SECURITY HONORS****CRS H9677****GR 12****CR ½ S**

This course will cover the following topics Network Security, Compliance and Operational Security, Threats and Vulnerabilities, Application, Data and Host Security, Access Control and Identity Management and Cryptography. Scholars will practice the next level of network design and implementation with a focus on the security concerns in industry today. **This course is a requirement for the IT Program.** **Prerequisites: Passing Grade in Principles of IT, Intro to Programming and IT Essentials, 3D Printing, Database Design** ✓ **School to Career requirement option.**

CVTE INFORMATION TECHNOLOGY:**DATABASE DESIGN HONORS****CRS H9667****GR 12****CR ½ S**

Database Design is an introductory course in Databases using SQL Server. The course covers databases and their uses. Tables, indexes and foreign keys. You will learn simple SQL (Structured Query Language) DDL (Data Definition Language) and SQL DML (Data Manipulation Language). You will learn why Relational Databases are "Relational". **This course is a requirement for the IT Program** **Prerequisite: Passing Grade in Principles of IT, Intro to Programming and Computer Systems, 3D Printing, Introduction to Networks.** **This course is a requirement for the IT Program.** ✓ **School to Career requirement option.**

CVTE INFORMATION TECHNOLOGY:**CAPSTONE PROJECT HONORS****CRS H9668****GR 12****CR ½ S**

The purpose of this capstone project is to demonstrate a scholar's mastery and knowledge of what they have learned during their studies in information technology and apply them to real world applications. Working with a mentor, scholars will develop a proposal for a capstone project, integrating concepts and skills learned throughout their four years in the **IT Program**. Each project must include a deliverable, such as a process, procedure, software or prototype. Scholars will be required to develop a comprehensive business model and marketing plan. At the end of the semester, scholars showcase and pitch their projects to a panel of judges at a Capstone Design Expo. **Prerequisite: Passing Grade in Principles of IT, Intro to Programming and Computer Systems, 3D Printing, Introduction to Networks..** **This course is a requirement for the Spring Grade 12** ✓ **School to Career requirement option.**

CVTE INFORMATION TECHNOLOGY:**ENTREPRENEURSHIP HONORS****CRS H9678****GR 12****CR ½ S**

This course teaches scholars to expand their knowledge of business marketing principles related to ownership and management of a business, traits and characteristics of successful entrepreneurs, and strategies of business management and marketing. Using the NFTE (Network for teaching Entrepreneurship) curriculum, this course teaches the entrepreneurial mindset alongside traditional business development skills. Scholars create original business models, either individually or with a partner, and pitch in a series of competitive events. This course is aligned to the Common Career Technical Core Standards for Business Management and Administration and The National Content Standards for Entrepreneurial Education. **This course is a requirement for the IT Program** ✓ **School to Career requirement option.**

CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT PROGRAM REQUIRED COURSES

CVTE INFORMATION TECHNOLOGY:

PRINCIPLES OF IT HONORS

CRS H9653 GR 9 CR 1 Y

This is the first course scholars take in the CVTE Information Technology and Programming and Web Development Programs. It provides an overview of information technology and introduces scholars to the basics of hardware and software. Scholars examine hardware components including peripherals, connectors, and memory. Scholars explore aspects of computer software, learning and using common operating systems, software applications, and programming languages. Scholars will learn the basics of programming by programming robots, developing websites and with the use of Python. Scholars learn about types of networks and network topology, and they set up an email client/server connection. Scholars also consider contemporary issues such as security, privacy, and technological inequality. Scholars will strengthen their public speaking skills by presenting projects to community leaders. Finally, scholars explore career opportunities in IT. **✓ School to Career requirement option.**

CVTE INFORMATION TECHNOLOGY:

INTRODUCTION TO PROGRAMMING HONORS

CRS H9652 GR 10 CR ½ S1

Introduction to Programming uses Python as a basis for learning general programming skills. Scholars learn programming principles by comparing Python to other programming languages. They use models as a way to quickly solve new problems using knowledge and techniques already learned. In addition to programming, scholars learn program design, documentation, formal debugging, and testing. Finally, scholars examine career opportunities in programming. **Prerequisites: Passing Grade in Principles of IT** **✓ School to Career requirement option.**

CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT GRADE 10:

PYTHON PROGRAMMING HONORS

CVTE PROG & WEB SCHOLARS ONLY)

CRS H9695CTE GR 10 CR ½ S2

This intermediate programming course continues the learning and practicing of developing Python code from Introduction to Programming. Previous programming topics are reinforced through code practices, assignments, and projects while new concepts are introduced. New topics include: User Defined Functions, Lists (Arrays), 2D Arrays, and Dictionaries. **Prerequisites: Passing Grade in-Principles of IT.** **✓ School to Career requirement option.**

AP COMPUTER SCIENCE PRINCIPLES

CRS H9671 GR 11 – 12 CR 1 Y

AP Computer Science Principles introduces scholars to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives scholars the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving, without the need for previous programming experience. Scholars will have the opportunity to create socially useful applications of their own design. **Prerequisite: successful completion of Algebra I with a B- or better.** **✓ School to Career requirement option.**

AP COMPUTER SCIENCE A

CRS H2246 GR 11 – 12 CR 1 Y

This is an advanced computer-science programming course with emphasis on Java programming. It provides scholars with the opportunity to apply mathematical applications using object-oriented programming (OOP) and object-oriented design (OOD) with an emphasis on classes, methods, looping and logic, algorithms and inheritance. This course follows a syllabus approved by the College Board, with a professionally developed case study, and will prepare scholars for the AP Computer Science exam, which is mandatory. **Prerequisites: Passing grade in Intro to Programming and a B or better in Algebra II. Alternative prerequisite: Completion of approved online coursework, with an 80 or better, BEFORE start of school in August.** **✓ School to Career requirement option.**

CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT GRADE 11:

FUNDAMENTALS OF WEB DEVELOPMENT HONORS

CRS H9696CTE GR 11 CR 1 Y

This class is an introduction to the design, creation, and maintenance of web pages and websites. Scholars learn how to critically evaluate website quality, learn how to create and maintain modern web pages, learn about web design standards and why they are important, and learn to create and manipulate images. The course progresses from introductory work on web design to a culminating project in which scholars design and program their own websites. Scholars will learn HTML5, CSS3 and JavaScript programming. Scholars will also learn about current industry trends in web development. Topics will include current web implementation methods, technologies, version control, and tool sets,

Prerequisites: Passing Grade in Principles of IT, CVTE Programming and Web Development Gr 10. **✓ School to Career requirement option.**

**CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT:
ENTREPRENEURSHIP HONORS**

CRS H9697CTE GR 12 CR ½ S

This course teaches scholars to expand their knowledge of business marketing principles related to ownership and management of a business, traits and characteristics of successful entrepreneurs, and strategies of business management and marketing. Using the NFTE (Network for teaching Entrepreneurship) curriculum, this course teaches the entrepreneurial mindset alongside traditional business development skills. Scholars create original business models, either individually or with a partner, and pitch in a series of competitive events. This course is aligned to the Common Career Technical Core Standards for Business Management and Administration and The National Content Standards for Entrepreneurial Education. ***This course is a requirement for CVTE Programming and Web Development. ✓ School to Career requirement option.***

**CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT:
SOFTWARE DEVELOPMENT & DATABASES HONORS**

CRS H GR 12 CR 1 Y

This course introduces scholars to the fundamental principles of software engineering. Modern software development techniques and life cycles are emphasized. Scholars will learn how to identify a problem, plan, design, build, test, deploy, and maintain software by developing several projects throughout the course. Scholars will learn about both client and server-side techniques, incorporating Python and MySQL databases in order to develop and maintain web pages. ***Prerequisites: PASSING GRADE IN Principles of IT, CVTE Programming and Web Development Gr 10, CVTE Programming and Web Development Gr 11. ✓ School to Career requirement option.***

**CVTE COMPUTER SCIENCE AND WEB DEVELOPMENT:
CAPSTONE PROJECT HONORS**

CRS H9694CTE GR 12 CR ½ S

The purpose of this capstone project is to demonstrate a scholar's mastery and knowledge of what they have learned during their studies in information technology and apply them to real world applications. Working with a mentor, scholars will develop a proposal for a capstone project, integrating concepts and skills learned throughout their four years in Programming and Web Development. Each project must include a deliverable, such as a process, procedure, software or prototype. Scholars will be required to develop a comprehensive business model and marketing plan. At the end of the semester, scholars showcase and pitch their projects to a panel of judges at a Capstone Design Expo. ***This course is a requirement for Programming and Web Development Fall Grade 12. ✓ School to Career requirement option.***

CTE PLTW BIOMEDICAL SCIENCE PROGRAM REQUIRED COURSES

CTE PLTW PRINCIPLES OF BIOMEDICAL SCIENCE HONORS

CRS H3432 GR 9 CR 1 Y

Principles of Biomedical Science is the first course in the Project Lead the Way Biomedical Pathway. Scholars in the course combine the studies of biology and medicine to investigate medical cases while working with the same equipment used by lab technicians and healthcare workers. The course includes inquiry based learning units that incorporate physiology, microbiology, research practices, public health, and biology. Scholars will often be working in collaborative groups which foster critical thinking and communication skills. ***Prerequisites: scholars must be in the PLTW pathway and concurrently enrolled in Biology***

CTE PLTW HUMAN BODY SYSTEMS HONORS

CRS H3435 GR 10 CR 1 Y

Human Body Systems is the second course in the Project Lead the Way Biomedical Pathway. Scholars in this course examine the interactions of the body systems focusing on identity, power, protection, movement and homeostasis. This course includes solving real world medical cases and learning about various medical professions. ***Prerequisites: scholars must be in the PLTW pathway.***

CTE PLTW MEDICAL INTERVENTIONS HONORS

CRS 3439 GR 11 – 12 CR 1 Y

Medical Interventions is the third course in the Project Lead the Way Biomedical Pathway. Through real-world cases, scholars are exposed to a range of techniques related to immunology, surgery, genetics, pharmacology, biotechniques, medical devices, and diagnostics. Each case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses, as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role scientific thinking and engineering design play in the development of interventions of the future. ***Prerequisites: scholars must be in the PLTW pathway.***

CTE PLTW BIOMEDICAL INNOVATION (CAPSTONE) HONORS

CRS H9691CTE GR 12 CR 1 Y

Biomedical Innovation is the fourth course in the Project Lead the Way Biomedical Pathway. Students use their knowledge gained from the three previous PLTW Biomedical classes to design innovative solutions to a variety of health challenges, facing people in the 21st century. Students may investigate topics such as: biomedical engineering, public health, clinical medicine and physiology. During the course they will complete their capstone project. They will have a mentor/advisor such as an HHS science teachers or a professional from industry such as a medical facility or research institutions. **Prerequisites: scholars must be in the PLTW pathway.**

CTE PLTW ENGINEERING/MANUFACTURING PROGRAM REQUIRED COURSES

CTE PLTW INTRODUCTION TO ENGINEERING DESIGN HONORS

CRS H9658 GR 9 – 10 CR 1 Y

The major focus of the IED course is to expose scholars to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Scholars will use 3D solid modeling design software to help them design solutions to solve proposed problems. Scholars will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community. **Prerequisites: scholars must be enrolled in the PLTW Engineering pathway and concurrently enrolled in Biology.**

CTE PLTW PRINCIPLES OF ENGINEERING HONORS

CRS H9657 GR 11 – 12 CR 1 Y

This course is based on the Project Lead the Way program. It provides a hands-on introduction to engineering and the engineering design process. Through assignments and projects, scholars learn how to: identify a problem, develop alternative solutions, select the best alternative, make critical decisions, and work as a team. Scholars will focus on mechanical, electrical engineering, and civil engineering. Scholars will also be introduced to CAD and basic programming. **Prerequisites: scholars must be enrolled in the PLTW Engineering pathway or have passed PLTW IED.**

CTE PLTW DIGITAL ELECTRONICS HONORS

CRS H9659 GR 11 – 12 CR 1 Y

This course covers fundamentals of analog and digital electronics. Scholars learn about the different number systems used in the design of digital circuitry. They design circuits to solve open-ended problems, assemble their solutions and trouble-shoot them as necessary. Scholars then use combined logic, integrated circuits and microprocessors to solve open-ended problems. **Prerequisites: scholars must be enrolled in the PLTW Engineering pathway or have passed PLTW POE.**

INTERNSHIP PROGRAM

INTERNSHIP CP

CRS H6694 GR 10 – 12 CR ½ S

The purpose of the Career Internship is to provide scholars with a meaningful workplace experience working closely with a professional in a chosen field. The scholars will also participate in classes where they will build a career portfolio, including resumes, cover letters, and ultimately, letters of recommendation. The scholars will also learn about interview and job search skills as well as labor laws and their rights in the workplace. This course runs two afternoons a week from 2:15-5 p.m. Scholars will receive ½ credit per semester for satisfactory completion of all requirements. Scholars must be at least 16 years old to participate. **✓School to Career requirement option.**

INTERNSHIP HONORS

CRS H6694CTE GR 10 – 12 CR ½ S

The purpose of the Career Internship is to provide scholars with a meaningful workplace experience working closely with a professional in a chosen field. The scholars will also participate in classes where they will build a career portfolio, including resumes, cover letters, and ultimately, letters of recommendation. The scholars will also learn about interview and job search skills as well as labor laws and their rights in the workplace. The Honors level Internship student will contribute significant work product at their worksite under minimal supervision and will strictly adhere to all timelines. This course runs two afternoons a week from 2:15-5 p.m. Scholars will receive ½ credit per semester for satisfactory completion of all requirements. Scholars must be at least 16 years old to participate. Internship Teacher and Internship Coordinator approval required to participate in Honors level Internship class. **✓School to Career requirement option.**

WORLD LANGUAGES

Through the study of a world language, scholars are able to experience the differences in the way people think, as well as the differences and similarities in the way other people view our world. In the world languages program, we attempt to prepare our scholars to be proficient in all four language skill areas: listening/understanding, speaking, reading and writing. In the classical languages, we emphasize vocabulary building, reading / translating, and the great debt our civilization owes to those of Greece and Rome.

All scholars, beginning with the Class of 2016, will be encouraged to take at least two years of a world language in order to meet the requirements of Mass Core. Mass Core is a state recommended, rigorous program of study that aligns high school course work with college and workforce expectations.

Scholars beginning level 1 of a language as freshmen will be placed according to their grade in ELA at the middle school level, the Haverhill High School placement test and their MCAS score.

The prerequisites for the world language department are as follows: in order to move on at the Honors level scholars must maintain a C average AND have the recommendation of their language teacher. In order to move on at the College Prep level scholars must maintain a passing average in the Level 1 course.

It should be noted that in order to study 3 or more years of a language it is expected that scholars demonstrate an Honors level proficiency by the end of their 2nd year of study. This will be determined by teacher recommendation and/or testing. Scholars intending on 3 or more years of study should create a plan with their level 1 teacher.

CLASSICAL GREEK I HONORS

CRS H4497 GR 10 – 12 CR 1 Y

After an introductory study of forms and syntax, scholars will begin to read connected passages of Ancient Greek prose. The history and influence of Ancient Greece are explored in the context of mythology, which scholars read in Greek as well as in English translation. Scholars enrolled in this course will receive Honors credit. This course begins with a review of introductory course work through selected readings from Sophocles and Aeschylus. First year forms and syntax are reinforced through the reading of selected passages.

CLASSICAL GREEK II HONORS

CRS H4500 GR 10 – 12 CR 1 Y

This course begins with a review of introductory course work through selected readings from Sophocles and Aeschylus. First year forms and syntax are reinforced through the reading of selected passages.

CLASSICAL GREEK III HONORS

CRS H4599 GR 11 – 12 CR 1 Y

The study of Homer begins in the third year through a detailed reading of the Iliad and the Odyssey. Additional forms and syntax are taught. The Greek mind and its effect on our way of thinking are studied through an original analytical academic essay based on themes from the Iliad.

FRENCH I HONORS

CRS H4406 GR 9 – 12 CR 1 Y

French I will teach enough basic vocabulary for scholars to enjoy taking part in everyday conversation. Scholars will learn how to talk to other people and tell them about themselves. Short, simple stories are read. Writing skills will be introduced, enabling the scholar to write paragraphs in French. Main aspects of French culture are introduced to allow scholars to acquire an appreciation of the customs, traditions and expressions of the French speaking world.

FRENCH I CP

CRS H4405 GR 9 – 12 CR 1 Y

French I will teach enough basic vocabulary for scholars to enjoy taking part in everyday conversation. Scholars will learn how to talk to other people and tell them about themselves. Short, simple stories are read. Writing skills will be introduced, enabling the scholar to write paragraphs in French. Main aspects of French culture are introduced to allow scholars to acquire an appreciation of the customs, traditions and expressions of the French speaking world.

FRENCH II HONORS

CRS H4407 GR 9 – 12 CR 1 Y

French II is a continuation of French I. It aims to reinforce and strengthen the four basic skills of listening, speaking, reading and writing. Scholars will read and discuss topics in French culture and history. They will also continue to learn and actively use grammar concepts. Scholars will develop dialogues and skits as well as work on individual projects which they will present in French.

FRENCH II CP**CRS H4409****GR 9 – 12****CR 1 Y**

French II is a continuation of French I. It aims to reinforce and strengthen the four basic skills of listening, speaking, reading and writing. Scholars will read and discuss topics in French culture and history. They will also continue to learn and actively use grammar concepts. Scholars will develop dialogues and skits as well as work on individual projects which they will present in French.

FRENCH III HONORS**CRS H4411****GR 10 – 12****CR 1 Y**

Scholars will use their prior knowledge of French to read longer texts in French, as well as French classic literature with the simultaneous help of an English translation. They will deepen their knowledge of Francophone cultures, enabling them to draw parallels and comparisons with their own. Scholars will research French art and history, exploring themes that run through them. They will present research topics in French. Scholars need to be familiar with advanced grammar concepts and be able to use these in their own writing in order to be successful in French III.

FRENCH IV HONORS**CRS H4415****GR 11 – 12****CR 1 Y**

Emphasis is placed on reading, comprehension, writing and communicating. Readings will include poetry, short stories, and contemporary essays. Scholars will also view important films of the French Cinemas and learn to discuss their themes, and write reviews and synopsis. Scholars will have to have extensive knowledge of French grammar and syntax to enter this class.

ITALIAN I HONORS**CRS H4435****GR 9 – 12****CR 1 Y**

In Italian I, scholars learn how to carry on simple conversations. As vocabulary is built, they also develop the ability to converse and write on a variety of subjects. Class activities such as films, tapes and songs help teach Italian culture. Scholars will learn the present tense of verbs. Scholars will be required to complete several mastery projects.

ITALIAN I CP**CRS H4437****GR 9 – 12****CR 1 Y**

In Italian 1CP, scholars learn to carry on simple conversations. As vocabulary is built, scholars also develop the ability to converse and write on a variety of subjects. Class activities such as films, tapes and songs help teach Italian culture. Scholars will learn the present tense of verbs. Scholars will be required to complete several mastery projects.

ITALIAN II HONORS**CRS H4439****GR 9 – 12****CR 1 Y**

The scholar will review the basic skills of speaking, writing and reading, learned in the first year of the language. As vocabulary increases, the scholar will discuss topics in greater detail, and will use acquired knowledge of grammar to write in both the present and past tenses. The scholars will be required to write an imaginary pen pal letter and write an essay on their daily routine using reflexive verbs. The scholars will read “Un’Estate Tutta Diversa.” The customs and traditions of Italy will also be emphasized.

ITALIAN II CP**CRS H4441****GR 9 – 12****CR 1 Y**

The scholar will review the basic skills of speaking, writing and reading learned in the first year study of the language. As vocabulary increases, the scholar will discuss topics in greater detail, and will use acquired knowledge of grammar to write in both the present and past tenses. The scholars will be required to write an imaginary pen pal letter and also write an essay on their daily routine using reflexive verbs. Scholars will read “Un’Estate Tutta Diversa.” Customs and traditions of Italy will also be emphasized.

ITALIAN III HONORS**CRS H4443****GR 10 – 12****CR 1 Y**

The scholar will review first and second year grammar, and will be able to give prepared presentations as well as discuss topics in detail. Short stories and novels, including Pinocchio, from Italian authors of the past and present will also be read. The scholar will continue the study of the geographic regions of Italy. The scholar will present several oral presentations on “il mercato” (shopping at the market) and “la casa dei miei sogni” (my dream house).

ITALIAN IV HONORS**CRS H4445****GR 11 – 12****CR 1 Y**

In Italian IV Honors, the course is conducted in Italian and the emphasis is on attaining fluency in Italian, both written and oral. Extensive readings from 19th and 20th century Italian literature are undertaken. Scholars will give oral presentations as well as participate in discussions on various topics, such as Italian politics and famous Italians. Vocabulary building is accomplished through conversational readings dealing with contemporary situations in the reader Uffa’

LATIN I HONORS**CRS H4483****GR 9****CR 1 Y**

Through the study of Latin, scholars will learn how languages work. Scholars in Latin I will begin by reviewing English grammar and syntax as a basis for their study. Once scholars can read short sentences, the course will use a combination of grammar theory and comprehensible input to increase reading proficiency. By studying Latin, scholars will learn how to think in an orderly way, and how to expand English comprehension and vocabulary. They will be introduced to the mythology of ancient Rome.

LATIN II HONORS**CRS H4487****GR 9 – 12****CR 1 Y**

Through the study of Latin, scholars will learn how languages work. Scholars in Latin I will begin by reviewing English grammar and In Latin II Honors, the scholar will continue the study of how Latin works. After a review of the concepts learned in the first year, the scholar will begin reading primary texts from authors including: Caesar, Cicero, Catullus, Ovid, and Vergil. Latin comprehension and vocabulary will be increased, and the scholar will learn more about the life and customs of the Roman people.

LATIN III HONORS**CRS H4491****GR 10 – 12****CR 1 Y**

The Latin III Honors course is designed for scholars who have successfully completed their first two years of study. Scholars will begin with a rapid review of 1st and 2nd year grammar through Caesar's *Gallic Wars* and the letters of Pliny the Younger. The second half of the year will focus on an introduction to the *Aeneid* of Vergil. The literary techniques of Latin writers and poetic meters, along with stylistic analyses, are an integral part of the course. In addition, Latin III Honors includes the study of the cultural, social and political context of the literature studied.

LATIN III HONORS ACCELERATED**CRS H4490****GR 10 – 12****CR 1 Y**

The Latin III honors accelerated course is designed for scholars who have shown exemplary skills in their first two years of study. The course is a prerequisite for scholars who wish to take AP Latin: Vergil the following year or Latin IV Honors. Scholars will begin with a rapid review of 1st and 2nd year grammar through Caesar's *Gallic Wars* and The Letters of Pliny the Younger. The second half of the year will focus on an introduction to the *Aeneid* of Vergil. The literary techniques of Latin writers and poetic meters, along with stylistic analysis, are an integral part of the course. In addition, Latin III HA includes the study of the cultural, social and political context of the literature studied.

LATIN IV HONORS**CRS H4493****GR 11 – 12****CR 1 Y**

A rapid review of all aspects of Latin grammar is followed by readings from Vergil and other authors. Literary techniques and poetic meters, along with stylistic analysis, are an integral part of the course. In addition, Latin IV Honors includes the study of the cultural, social and political context of the literature studied.

AP LATIN**CRS H4496****GR 12****CR 1 Y**

The Latin AP course conforms to fourth through sixth semester college Latin. The content is based primarily on Caesar's *De Bello Gallico* and Vergil's *Aeneid*. Scholars will translate portions of these writings from Latin to English and strengthen their knowledge of grammatical structures and vocabulary. The literary techniques of Latin writers and poetic meters, along with stylistic analysis, are an integral part of the course. In addition, Latin AP includes the study of the cultural, social and political context of the literature studied.

SPANISH I HONORS**CRS H4461****GR 9 – 12****CR 1 Y**

In Spanish I, the scholar will study the basic structure and grammar of the Spanish language, and will acquire skills necessary for practical, everyday conversation. Simple and enjoyable reading material will be introduced. Emphasis will also be placed on the culture of Latin American countries where Spanish is spoken. At the honors level, scholars are responsible for reviewing vocabulary on their own outside of class and can expect a faster class pace with more independent practice.

SPANISH I CP**CRS H4463****GR 9 – 12****CR 1 Y**

In Spanish I, the scholar will study the basic structure and grammar of the Spanish language, and will acquire skills necessary for practical, everyday conversation. Simple and enjoyable reading material will be introduced. Emphasis will also be placed on the culture of Latin American countries where Spanish is spoken.

SPANISH II CP**CRS H4467****GR 9 – 12****CR 1 Y**

In Spanish II, scholars will enhance those skills acquired in Spanish I. Audio-lingual skills are expanded, vocabulary is increased, more complex grammar structures are mastered, and oral fluency is developed through the use of the language in the classroom. Writing skills will be further developed through periodic compositions. Scholars will gain an understanding of the thoughts, beliefs, traditions and values of the people of the Hispanic world.

SPANISH III HONORS**CRS H4469****GR 10 – 12****CR 1 Y**

Honors Spanish III offers the scholar 80% immersion in the Spanish language. Grammar from the first and second years will be reviewed, and more complex structures will be learned. The emphasis is on fluency and on the development of vocabulary through the reading of short stories and articles. The writing of compositions is expanded. Cultural projects in the target language are an integral part of the course. In the Honors level, the scholar must present oral projects.

SPANISH IV HONORS**CRS H4473****GR 11 – 12****CR 1 Y**

Spanish IV Honors continues the development of audio-lingual skills, the expansion of oral and written self-expression, and the reading and appreciation of literature. The course is conducted exclusively in Spanish. The goal for Spanish IV Honors is for scholars to spontaneously create written and oral language with varying degrees of complexity.

SPANISH LANGUAGE & COMPOSITION AP**CRS H4761****GR 11 – 12****CR 1 Y**

AP Spanish follows the prescribed curriculum for the Spanish Language Examination. The course is conducted in Spanish, and the scholar is expected to respond and converse on various topics in Spanish. Scholars who select AP Spanish must take the Examination in Spanish Language.

FINE ARTS

VISUAL ARTS

FOUNDATIONS IN ART

CRS H5501

GR 9 – 12

CR ½ S

Foundations in Art is open to all scholars. The course includes experiences in the use of both two and three-dimensional materials and concentrates on elements of Art and principles of design as they relate to painting, drawing, printmaking, ceramics, sculpture and other media. Scholars are expected to do outside projects as assigned by the instructor.

STUDIO DRAWING

CRS H5505

GR 9 – 12

CR ½ S

Scholars will be taught to draw accurately, expressively and creatively. Materials such as pencil, pen and ink, charcoal, markers, pastel and conte crayon will be explored. Scholars will demonstrate proficiency in a variety of drawing approaches including contour, gesture, and modeling value. *Prerequisite: Passing grade in Foundations of Art.*

STUDIO PAINTING

CRS H5507

GR 9 – 12

CR ½ S

Scholars will be taught to paint from observation. Each scholar will demonstrate technical proficiency in a variety of media, including acrylic, watercolor and mixed media. Scholars will learn all technical aspects of painting including how to mix and prepare paint, choose brushes and stretch canvases. *Prerequisite: Passing grade Foundations of Art.*

ADVANCED STUDIO DRAWING

CRS H5519

GR 10 – 12

CR ½ S

This class is for scholars who are familiar with the basic skills and techniques of drawing and wish to learn how to refine these skills to create more polished and professional fine art. You will work step-by-step through the entire process of art creation. Begin by improving your ability to really see what you are looking at as an artist; right-brain visual perception. From here, you will learn how to transfer these images to your work surface by combining all of the basic drawing skills with the proper drawing process. As an advanced art student, you will be pushed to see beyond the images themselves, and as a personal expression.

Prerequisite: Passing grade in Studio Drawing.

ADVANCED STUDIO PAINTING

CRS H5523

GR 10 – 12

CR ½ S

This advanced painting course is an opportunity for scholars to utilize all the knowledge and experience acquired in their previous art courses. It will further develop and refine painting techniques and concepts, as well as understanding of figure painting. Linear perspective, compositional structure, figure/ground integration, spatial perception, critical thinking, and analytical skills will all be emphasized extensively. *Prerequisite: Passing grade in Studio Painting.*

JEWELRY MAKING/METALSMITHING

CRS H5511

GR 10 – 12

CR ½ S

Jewelry Making concentrates on the manipulation of materials to create pieces of jewelry. Basic metal fabrication techniques will be employed, including cold connections and soldering. Solder-less wire jewelry and a variety of non-metal construction procedures will be explored. *Prerequisite: Passing grade in Foundations of Art.*

ADVANCED JEWELRY MAKING/METALSMITHING

CRS H5511

GR 10

CR ½ S

Advanced Jewelry concentrates on more difficult processes involved in jewelry making. Bezel stone setting, fusing, die forming and many more techniques are explored in the construction of these pieces. *Prerequisite: Passing grade in Jewelry Making. ✓*
School to Career requirement option.

CERAMICS I

CRS H5513

GR 10 – 12

CR ½ S

Scholars will be introduced to the use of clay as an art medium. Basic construction techniques such as hand building, wheel throwing, and slab construction will be practiced. Scholars will also learn finishing techniques for decorating and glazing their work. The course will conclude with a sculptural project using alternative materials such as plaster, wire, wood and paper.

Prerequisite: Passing grade in Foundations of Art

CERAMICS II

CRS H5514

GR 10 – 12

CR ½ S

Ceramics II is open to all scholars who have successfully completed Ceramics I. Scholars will be given a variety of assignments meant to sharpen their skills and explore further this three-dimensional art form. Scholars will build upon the basic skills of forming, refining, sculpting and finishing their pottery. Advanced wheel throwing, and glazing techniques will be introduced. A journal/sketchbook, which is used for preliminary sketches, planning and reflection will be required of all Ceramics II scholars.

Prerequisite: Passing grade in Ceramics & Sculpture I

ADVANCED CERAMICS**CRS H9705****GR 10 – 12****CR ½ S**

Students in Advanced Ceramics will expand upon hand building and wheel throwing techniques from Ceramics 1 & 2. Students will be using hand-building and throwing techniques, and/or a combination of these methods to produce more advanced and personalized works in clay. Students will expand further on their ability to create ceramic works as both functional pieces and as aesthetic sculptural forms. The material learned in the Ceramics I & II should be applied to all works in regards to the elements and principles of design and introductory ceramics skills. This advanced course offers a combination of assigned and self-directed, thematic projects. Building off of skills gained in Ceramics I, students develop a more sophisticated approach to methods and techniques that are used to create forms with clay. Students will focus on process and exploration of a broad range of contemporary clay works, functional, industrial and sculptural. Advanced Ceramics also offers the unique opportunity to study the science and chemistry behind glazing and firing

PHOTOGRAPHY I**CRS H5515****GR 9 – 12****CR ½ S**

Scholars in Photography I will begin by taking digital photos and editing them in Adobe Lightroom, then build toward shooting with a 35mm film camera and making prints in the darkroom. We will also study photo history, make experimental prints and collages, and finish with a handmade album of prints. ***Prerequisite: Passing grade in Foundations in Art***

PHOTOGRAPHY II**CRS H5517****GR 10 – 12****CR ½ S**

Scholars in Photography II advance their camera and printing skills by using 35mm and medium-format film cameras, printing in the darkroom on fiber-based silver gelatin paper, learning to dodge and burn prints to improve tonality, and using Adobe Photoshop for image manipulation. We also tackle more challenging shooting prompts, simulate professional photography assignments, and create a portfolio of matted prints. ***Prerequisite: Passing grade in Foundations in Art & Photo I.***

ADVANCED PHOTOGRAPHY**CRS H5518****GR 11 – 12****CR ½ S**

Scholars in Photography II advance their camera and printing skills by using 35mm and medium-format film cameras, printing in the darkroom on fiber-based silver gelatin paper, learning to dodge and burn prints to improve tonality, and using Adobe Photoshop for image manipulation. We also tackle more challenging shooting prompts, simulate professional photography assignments, and create a portfolio of matted prints. ***Prerequisite: Passing grade in Foundations in Art & Photo I.***

AP ART HISTORY**CRS H5526****GR 11 – 12****CR 1 Y**

Art History is open to Juniors or Seniors. This course offers a chronological survey of Global Art from the dawn of civilization to the present time. This course teaches scholars to understand works of art within their historical context by examining issues such as politics, religion, patronage, gender, function, and ethnicity. In addition, this course teaches scholars visual analysis of works of art, through writing and visual presentations.

AP STUDIO ART**CRS H5599****GR 11 – 12****CR 1 Y**

This course is designed for scholars who have a serious interest in art and wish to attend art school or study art in college or university. Scholar workload is reflective of this college level/advanced placement course. Juniors receive honors credit while seniors will be required to submit a portfolio (exam) to the College Board and AP credit is awarded based upon their portfolio/exam score. A sketchbook will be used for outside assignments as well as self-directed investigation. ***Prerequisite: Passing grade in Basic Foundations in Art, two studio classes, Portfolio with 5 images and recommendation of teacher.***

PRINTMAKING**CRS H5502****GR 9 – 12****CR ½ S**

In this introductory course, scholars will explore the art of printmaking and the production of a series of identical images. Various techniques such as wood block, relief, mono-print, and silkscreen will be explored. Specific design problems will enable the scholar to develop a vehicle for self-expression while learning new methods. ***Prerequisite: Passing grade in Foundations of Art.***

GRAPHIC DESIGN**CRS H9704****GR 10 – 12****CR ½ S**

Scholars in Graphic Design I will use analog and digital tools to create 2D logos, posters, advertisements, magazine layouts, character designs, GIFs, memes, web graphics, and digital illustrations. We will begin most projects by discussing and analyzing real world designs, then drafting our own ideas on paper, before making the final version in Adobe Photoshop and printing on fine art inkjet paper. ***Prerequisite: Passing grade in Foundations in Art.***

BOOKMAKING**CRS H9702****GR 10 – 12 CR ½ S**

Scholars in Bookmaking I will learn to make several types of books, using book linen, marbled paper, and paper made by hand from plants and recycled materials. We will make books with soft and hard covers, sewn and glued pages and cases and dust jackets. After constructing the books, we will fill them with drawings, paintings, collages, photos, 3D objects and writing.

Prerequisite: Passing grade in Foundations in Art.

SCULPTURE & 3D DESIGN**CRS H5504****GR 10****CR ½ S**

Explore 3-D design through the Elements of Art: Shape, Form and Space and the Principles of Design: Balance, Rhythm, Movement, and Proportion. Use additive and subtractive processes to work with a variety of sculptural media: plaster, clay, wire, wood, stone, paper mache, and found objects. Learn construction methods, armature, and techniques for creating a 3 Dimensional work of art. Observe the work of sculptors throughout history, and discover sculpture as a unique form of public and personal art. ***Prerequisite: Passing grade in Foundations of Art.***

A CLASSICAL PERSPECTIVE – STUDIO**CRS H9601****GR 9****CR ½ S**

This companion class to a Classical Perspective - Literature will continue to answer the underlying questions of the human experience: What do we know? How do we know what we know? How do we express this knowledge? This studio class will allow a hands-on, project-based approach for scholars to continue to explore and express their findings. Scholars will create original works in the disciplines of fine and performing arts. ***(Classical Academy only)***

MUSIC AND PERFORMING ARTS

MUSIC EXPLORATION

CRS H5590 GR 9 – 12 CR ½ S

This is an introductory survey course for those scholars who aren't quite sure of where their musical interests lie and who would like to explore a variety of options. The course features short exploratory units on: keyboard, guitar, music software, (GarageBand) singing, and rhythmic composition using a variety of percussion instruments. By taking this course, scholars will be exposed to a wide variety of options for expressing themselves musically, and will develop a basic understanding of musical notation and theory.

MIXED CHORUS

CRS H5551 GR 9 – 12 CR 1 Y

Mixed Chorus is a Soprano, Alto, Baritone (SAB) ensemble, which gives the scholar an opportunity to learn the fundamentals of participating in a vocal ensemble. This course emphasizes basic vocal technique, ear training and music reading skills. Required after school rehearsals are held periodically and all chorus scholars are expected to participate in all public and community outreach performances.

BEGINNING BAND

CRS H5561 GR 9 CR ½ S

This course will be for scholars who do NOT already play a concert band instrument and would like to start at the high school level. It is also available to scholars who play an instrument but would like to explore a different band instrument. Scholars will learn from a method/lesson book in a mixed ensemble setting to build skills and have performance opportunities throughout the school year. Scholars who advance quickly in their studies will be invited to perform with the Jazz Band or Marching Band.

BAND

CRS H5563 GR 9 – 12 CR 1 Y

The band program is open to all scholars who have previously studied a musical instrument. The program consists of two performing units: Marching and Concert Band. It is expected that scholars electing band will participate in both performing groups. The band program requires after-school rehearsal time and full participation at football games, parades, and other civic and school events. All band scholars are encouraged to study privately when possible. Emphasis will be placed on individual skill development to foster musical independence and leadership. The band performs classical, jazz, rock, pop and holiday music, as well as scores from Broadway shows. Band may be elected four times for credit.

JAZZ BAND HONORS

CRS H5565 GR 9 – 12 CR 1 Y

Jazz Band is open to all band scholars through audition. Only the most proficient musicians are allowed in the Jazz Band and it is an honor to be invited to participate. The Jazz Band repertoire will include music in various jazz styles including blues, swing, Latin and jazz/rock "fusion" styles emphasizing improvisation techniques and advanced technical skills. It is expected that scholars electing jazz band will participate in marching band which requires some after-school rehearsal time and full participation at football games, parades, and other civic and school events. 🏆 *School to Career requirement option.*

WORLD DRUM ENSEMBLE

CRS H5598 GR 9 – 12 CR ½ S

World Drum Ensemble is the exploration of percussion instruments and traditions from a variety of cultures from around the world. This is a course where scholars use hands-on participation to communicate through percussion instruments, perform in "drum circles," create their own non-traditional instruments and provide accompaniment for other performance arts. A majority of activities will focus on the African Djembe drum and its various applications, but the course will also cover hand percussion, barred instruments such as the xylophone and marimba, concert percussion, and drum set. No drumming experience is necessary to take the course, only a willingness to experience new things.

GUITAR WORKSHOP

CRS H5571 GR 9 – 12 CR ½ S

In Guitar Workshop, players from beginning to advanced will develop guitar skills in a variety of styles and techniques. Scholars will use those skills in various ensemble and solo performance situations. Topics covered include tuning, proper technique, identifying notes on the fingerboard, guitar notation methods including standard staff notation, chord diagrams and tablature, chord and scale vocabulary, soloing, accompanying and much more! Scholars are encouraged to bring their own electric or acoustic guitar but some instruments are available. Guitar Workshop may be elected four times for credit. *Prerequisite: Passing grade in Music Exploration or Band.*

HISTORY OF ROCK AND ROLL**CRS H5572****GR 10 – 12****CR ½ S**

This course focuses on the social development of Rock & Roll in America. Scholars will study the chronological history of rock while listening to and viewing Rock & Roll recordings and films. Class assignments are organized around lectures, small group discussions, and in-class activities. The course begins with an overview of ancestors and influences: rhythm and blues, jazz, country & western, moving into the social trends of the 1960s, including the influence of The Beatles and the British Invasion, the Acid Rock explosion and social upheaval of the late 1960s, and the changes in Rock & Roll music during the seventies, eighties, and nineties.

PIANO WORKSHOP**CRS H5574****GR 9 – 12****CR ½ S**

In Piano Workshop, scholars will develop piano skills in a variety of styles and techniques. Scholars will use those skills in various ensemble, solo and accompaniment performance situations. Topics include Proper technique, notes on the keyboard, grand staff notation including treble and bass clefs, basic music notation & symbols, chord and scale vocabulary, improvisation and much more! Keyboard Lab may be elected eight times for credit.

INTRODUCTION TO MUSIC SOFTWARE**CRS H5578****GR 10 – 12****CR ½ S**

In this course, scholars will learn the basics of various music software programs including GarageBand and Audacity. They will utilize these programs to create numerous musical arrangements of both pre-recorded audio loops and MIDI recordings. Scholars will be expected to complete projects that range from a musical collage of pre-recorded music to their own version of a popular folk song. Scholars will also complete a final project, which will test the skills they acquired during the course. Prior musical knowledge is helpful, but not required. Passing grade in Music Exploration, Band or Mixed Chorus. ✓ **School to Career requirement option.**

FOUNDATIONS OF THEATER**CRS H5530****GR 9 – 12****CR ½ S**

In this survey course, scholars will learn about the history of theatre, from Ancient Greece to contemporary theatre and overview the process of bringing a script to the stage. Scholars will read and analyze a variety of theatrical works, and will take on roles as theatrical artists in the production process and perform. No prior experience required. **Foundations of Theater is a required course for all theater electives.**

ACTING**CRS H5584****GR 10 – 12****CR ½ S**

Scholars will learn the foundational skills required to act and perform in front of an audience. This course will include improvisational acting skills, script analysis, vocal techniques, and collaboration as an ensemble. Scholars will perform a finished piece. No prior experience is required. Opportunities for studying guest artists and speakers will be presented (live or video).

ACTING II**CRS H5592****GR 10 – 12****CR ½ S**

Scholars who have taken Acting I are eligible for this course. They will study a variety of acting techniques (Stanislavsky, Meisner, Adler, Hagen, etc.), and will perform for their peers and outside audiences. Scholars will learn how to analyze a script from an actor's perspective for beats, objectives, and playable tactics. Scholars will perform a finished piece. Opportunities for studying guest artists and speakers will be presented (live or video), as well as visits with professional theatre artists in the Greater Boston Area. **Prerequisites: A passing grade in Foundations of Theater and Acting I.**

MOVEMENT FOR THEATER**CRS H5531****GR 10 – 12****CR ½ S**

Movement for Theater is a course designed to familiarize scholars with various theatrical dance styles. A history of Broadway theater movement will be studied and scholars will experience the execution and design of choreography. No prior experience is required. Skills will be taught from warm-ups to mini-combinations. Opportunities for studying guest artists will be presented, (live or video clip) Scholars will perform a finished piece. **Prerequisites: A passing grade in Foundations of Theater and Acting I.**

VOICE IN ACTING**CRS H5593****GR 10 – 12****CR ½ S**

This class is an exploration of the scholar's voice. The main focus of the class is the learning of voice work as a preparation for performance (musical, theatrical, or class presentation) – a series of exercises designed to liberate the speaking voice from habitual psychophysical tension and develop vocal range, stamina, clarity, power and sensitivity to impulse. Work will include discovery of sound in the body, awareness and opening of the channel (jaw, tongue, and soft palate), exploration of resonance, vocal freedom and range, isolating and strengthening resonating chambers and articulation exercises. Group and individual exercises designed to stimulate and develop the imagination, physical and sensory awareness, creativity and capacity for ensemble work will be practiced as a basis for vocal presence. Text work will include a monologue from a published play, poetry or a published musical theatre solo. Scholars will perform a finished piece. **Prerequisites: A passing grade in Foundations of Theater and Acting I.**

THEATRICAL DESIGN**CRS H5597****GR 9 – 12****CR 1 Y**

Theatrical Design will explore the process of creating a show from inception to actualization: including set design & construction, lighting design, and sound. Scholars will learn how to read and analyze a play for specific design elements. Scholars will collaborate with other classes to implement design. Scholars will collaborate with actors from other classes and/or after school productions. No prior theatre knowledge is needed to register for this course. Scholars will be introduced to professional resources in the theatrical field. **Prerequisites: A passing grade in Foundations of Theater and Acting I. (Available to Grade 9 scholars in their second semester) ✓ School to Career requirement option.**

IMPROVISATION**CRS H5587****GR 9 – 12****CR ½ S**

This course will delve deeply into the art of improvisation as well as other acting techniques. Scholars will begin with simple improvisation exercises that develop imaginary object use, free association and spontaneity skills, free form improvisation, movement improvisation, and structured improvisation. In addition, scholars will also work within structured scenes and explore different acting methodologies. The ensemble approach is strongly emphasized and the structure will force scholars to invest in each other's success. Thematic work around performance genres, stereotyping character, metaphor and abstraction will be ongoing. Scholars will create, perform and screen a finished piece at end of year arts festival. **Prerequisite: Passing grade in Foundations of Theater.**

PRE-AP THEATRE**CRS H5533****GR 9 – 12****CR ½ S**

In this course, scholars are invited to explore a single play as a source text, examining it through the lenses of three different theatre artists: the director, the dramaturg, and the designer. Throughout the module, scholars will hone skills of collaboration and communication to propose new interpretations and presentations of the play. This course introduces scholars to a range of theatre structures, including methods of structuring a narrative as well as methods for presenting that story to an audience. In this course of study, scholars consider that works of theatre can be presentational or representational as well as realistic or conceptual. They examine climactic and episodic story structures before beginning an in-depth exploration of story-theatre structure, which will culminate in the development of their own work of story theatre, based on a myth. **Prerequisite: Passing grade in Acting II.**

HISTORY OF FILM**CRS H5532****GR 9-12****CR ½ S**

"History of Film" is a course intended to familiarize students with the history of film as well as provide them with a chance to analyze film as a visual art form. The class will view some landmark short films such as: A Trip to the Moon, The Great Train Robbery, etc. This course will study American culture as viewed through the lens of the first 100 years of film. Students will examine screenwriters, directors, producers and actors that created art from the events that shaped America during this time. The goal of this course is to teach students how to critically analyze and evaluate films as cultural texts. Students will write critical film reviews to examine both, how a film works, and how and why it affects the viewer the way it does. Students will learn how to use popular American films to understand competing perspectives on American history, culture, and society. **Prerequisites: Basic Foundations of Art or Foundations of Digital Media.**

INTRODUCTION TO FILMMAKING**CRS H5534****GR 9 – 12****CR ½ S**

emotions visually. These skills will be applicable not only to traditional filmmaking but also music videos, broadcasting, vlogging, and web content. Students will analyze a wide range of existing media in addition to creating their own videos. Introduction to Filmmaking is a Prerequisite course for any upper level Film classes.

ADVANCED FILMMAKING**CRS H5535****GR 10 – 12****CR ½ S**

Scholars who passed Introduction to Filmmaking will be able to use this course to deepen their technical knowledge of the filmmaking craft while engaging in more complex storytelling. They will learn how to use a variety of digital equipment by gaining a fundamental understanding of how those tools work. They will begin to explore specific roles within the filmmaking process by working in crews. Areas of focus include advanced lighting, sound, and editing. **Prerequisite: Passing grade in Introduction to Filmmaking.**

FILMMAKING CAPSTONE**CRS H5536****GR 10 – 12****CR ½ S**

AP Filmstudies is an intensive and self-guided class. Scholars will focus their practice on the crew roles and aspects of filmmaking that interest them most. Scholars will strive to tell stories that are increasingly personal and thoroughly realized. By the end of the course, scholars will have a strong portfolio of work that can be shared with potential employers, colleges, and film festivals. **Prerequisite: Passing grade in Advanced Filmmaking**

ANIME: THE ART OF JAPANESE ANIMATION**CRS HH5601****GR 9 – 12****CR ½ S**

Anime has deep roots in Japanese culture, yet it has grown to resonate with massive audiences from around the world. Students will explore anime's evolution, from Astro Boy to Akira to Attack on Titan, to gain an understanding of how this unique medium has both reflected and shaped Western attitudes about Japanese culture for decades.

SUPERHEROES ON SCREEN**CRS H5600****GR 9 – 12****CR ½ S**

From the Batman serials to the 1940s to today's sprawling Marvel Cinematic Universe, superhero movies have brought together diverse groups of fans for nearly a century. In this class, students will trace the creative, social, and technical developments that have defined this singular genre throughout modern American history.

AP MUSIC THEORY**CRS H5566****GR 11 – 12****CR 1 Y**

AP Music Theory will further scholars' understanding of musical concepts. Scholars will: analyze performed and notated music, sing melodies from a written score (sight sing). Learn to recognize, understand, and describe the basic materials and processes of music. Skills will be strengthened by reading, writing, and performing a wide variety of music. Identifying features of pitch, interval, scales and keys, chords, meter, rhythm, and other musical concepts in performed and notated music. ***Prerequisite: Passing grade in 2 years of Chorus or Band.***

A CAPPELLA HONORS**CRS H5560****GR 9 – 12****CR 1 Y**

The HillieHarmonies A Cappella ensemble provides scholars a rewarding experience in learning and performing a cappella vocal ensemble literature of a demanding nature. Required after-school rehearsals are held periodically and all members are required to participate in all public and community outreach performances. During the first semester, scholars will learn seasonal a cappella ensemble repertoire focusing on the annual Winter Concert. Specific components of instruction throughout the year include tempi and phrasing vocabulary, note names in the treble and bass clefs, beginner/intermediate melodic dictation, rhythmic reading in various common meters, as well as ensemble skills consisting of diction, blending, balance, dynamics, and proper microphone technique. A Cappella is a full-year vocal performance class and may be elected four times for credit. ***Previous singing and performance experience is highly recommended.***

BUSINESS

ACCOUNTING AND BUSINESS ELECTIVES

ACCOUNTING HONORS

CRS H6631 GR 11 – 12 CR 1 Y

This APBP (Accounting Program for Building the Profession) uses an integrated approach to teach real-world accounting. Scholars will first learn how businesses plan for and evaluate their operating, financing, and investing decisions and then how accounting systems gather and provide data to internal and external decision makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Microsoft Excel is taught and integrated into the curriculum throughout the year. Optional: For a fee, scholars will have the opportunity to take a qualifying exam and an online course to earn 6 fully transferable credits to any college. This course may count as a 4th year credit in mathematics. ***Prerequisites: Grade of B- or better in Algebra II and recommendation of mathematics or business teacher.*** ✓ ***School to Career requirement option.***

ACCOUNTING I

CRS H6619 GR 9 – 12 CR ½ S

Scholars will use the multi-journal approach to complete the accounting cycle for proprietorship. The activities will include: analyzing and journalizing business transactions, posting journal entries to a general ledger, and preparing and analyzing financial statements. Scholars will also learn how to write checks and reconcile bank statements.

✓ ***School to Career requirement option.***

MONEY MATTERS

CRS H6628 GR 11 – 12 CR ½ S

financial difficulties. Scholars will learn how to have a positive relationship with money and cover such topics as being financially responsible, researching and buying a car, why credit matters, protecting your identity, making a budget, staying out of debt, finding the right career, selecting a bank and more. Scholars will also play financial simulation games where they will be in charge of their finances and spending and will also attend a Credit for Life Fair. ✓ ***School to Career requirement option.***

BUSINESS MARKETING

CRS H6613 GR 9 – 12 CR ½ S

career opportunities within the field is achieved through careful examination of product and service planning, distribution, financing, risk management, selling, promotion, pricing, purchasing and market information management. This class is designed to provide scholars with the opportunity to actually operate a retail store. They will become involved with all aspects of the operation which include: customer service, management, purchasing, inventory control, sales, cash handling, advertising, and merchandising. It is suggested freshmen interested in business/finance/DECA take this course. ✓ ***School to Career requirement option.***

ENTREPRENEURSHIP

CRS H6615 GR 10 – 12 CR ½ S

This course teaches scholars to expand their knowledge of business marketing principles related to ownership and management of a business, traits and characteristics of successful entrepreneurs, and strategies of business management and marketing. Using the NFTE (Network for teaching Entrepreneurship) curriculum, this course teaches the entrepreneurial mindset alongside traditional business development skills. Scholars create original business models, either individually or with a partner, and pitch in a series of competitive events. This course is aligned to the *Common Career Technical Core Standards for Business Management and Administration* and *The National Content Standards for Entrepreneurial Education*. ✓ ***School to Career requirement option.***

INTRODUCTION TO ECONOMICS

CRS H6625 GR 9 – 12 CR ½ S

This course will introduce scholars to the principles of economics, beginning with some of the broad issues and concepts that make up the field of economics. Beginning with some basic definitions, the course builds to introduce economic systems and the concept of scarcity and wants, and how these impact economies. ✓ ***School to Career requirement option.***

INTRODUCTION TO BUSINESS

CRS H66203 GR 9 – 10 CR ½ S

This course is offered to freshmen and sophomores who are interested in exploring a concentration in business. This course includes an overview of the following topics: Marketing, Economics, Accounting, Employment Skills, Sales, Entrepreneurship, and Personal Finance. ✓ ***School to Career requirement option.***

AP ECONOMICS**CRS H6627 GR 11 – 12 CR 1 Y**

This course will focus on an in-depth understanding of microeconomics. Scholars will study the concepts in opportunity cost, trade-offs, production possibility curve, and other analytical examples. The course will analyze how different types of economies determine which goods and services to produce, how to produce them and to whom to distribute them. Other basic concepts that are explored include the functions performed by an economic system and the way the tools of supply and demand can be used to analyze a market economy. Scholars who select Economics AP must take the AP test in Microeconomics. ***Prerequisite: A passing grade in Introduction to Economics.*** ✓ ***School to Career requirement option.***

FUNDAMENTALS OF VOCATIONAL SKILLS: RETAIL**CRS H8665S GR 9 – 12 CR ½ S**

This course will introduce or strengthen students' knowledge of workplace readiness skills in retail. With the use of hands-on training in our school store, the students will learn the basics of a retail operation from start to finish. Through a variety of tasks within the school store, scholars receive instruction and are graded on creativity, work ethic, workplace appearance, attendance, punctuality, listening, speaking with others and interacting with co-workers and customers. They are taught transferable skills, such as how to accept direction and criticism, and are expected to motivate themselves and take initiative with their tasks.

FUNDAMENTALS OF VOCATIONAL SKILLS: CULINARY**CRS H8665S GR 9 – 12 CR ½ S**

Scholars are taught the basic skills necessary in the food service industry to be hired in entry level positions. The course will allow students to explore several areas of the culinary profession including food preparation, front end operations and customer service. Focus will also be placed on safety and sanitation.

CULINARY ELECTIVES**INTRODUCTION TO FOOD AND NUTRITION****CRS H6671 GR 9 – 12 CR ½ S**

This course will introduce scholars to the role of food in their life, and the effects their daily food choices have on their health. They will discover that what they read or hear about food and nutrition is not always true. Scholars will learn to make effective use of resources when organizing a kitchen, caring for equipment and appliances, and purchasing and storing food. Scholars will also develop fundamental skills that are needed to work safely and efficiently in a kitchen or food lab, plan meals, follow recipes and serve them attractively. ***Prerequisite for all consumer science courses.***

✓ ***School to Career requirement option.***

BAKE SHOP**CRS H6675 GR 9 – 12 CR ½ S**

This course will introduce scholars to the production of baked goods. Scholars will learn to make effective use of resources when preparing and producing baked goods, keeping a kitchen organized, and purchasing and storing ingredients. They will also develop the fundamental skills needed to work safely and efficiently in the kitchen, read and follow recipes, and serve baked goods attractively. Scholars will be actively engaged in learning how to select, store, and prepare a wide variety of breads, pastries and other bakery products. ***Prerequisite: A passing grade in Introduction to Foods and Nutrition.*** ✓ ***School to Career requirement option.***

MULTICULTURAL FOODS**CRS H6677 GR 10 – 12 CR ½ S**

This course features the study of foods and customs of many countries. Scholars will learn how food customs have been influenced by the geography and culture of each country. In this course, scholars will compare the food traditions of various cultures and regions with respect to food choices and life styles, nutrition, how food is prepared, and ways of service and eating food. ***Prerequisite: A passing grade in Introduction to Foods and Nutrition.*** ✓ ***School to Career requirement option.***

CULINARY ARTS**CRS H6673 GR 10 – 12 CR ½ S**

Scholars in this course will develop competencies to produce meal and dessert specials to be offered in the school's coffee café. Scholars will explore career issues, food preparation, sanitation, nutrition, and attractive presentations of a variety of meal options. Other topics include customer service; cost control, management and safety issues. This course may be repeated for credit with permission of the teachers. Scholars will be educated in the National Restaurant Association's Servsafe Food Handler program and upon successful completion will receive an industry certification. ***Prerequisite: Introduction to Foods and Nutrition; any grade of D or below will require approval by the instructor.*** ✓ ***School to Career requirement option.***

ADVANCED CULINARY ARTS

CRS H6674

GR 10 – 12

CR ½ S

Scholars will learn about food management, marketing, sanitation, food costs, and comprehensive methods of food preparation. In addition, scholars will learn what is involved behind the scenes of the food industry while preparing dishes to be offered as specials in the school's coffee café. Scholars will also study hospitality and how it relates to food services. Some scholars may qualify for a separate internship with a local food preparation establishment. **Scholars may take this class more than once upon approval. Prerequisite: A passing grade in Culinary Arts. ✓ School to Career requirement option.**

WELLNESS

All scholars are required to take and pass two semesters of physical education (1 credit) and two semesters of health (1 credit) totaling two credits. All scholars are required to take and pass Physical Education I. After that, they have the option to choose one of any of the electives that qualify to fulfill their second physical education credit requirement. Scholars who are to be medically excused require a note from a physician and the scholar must complete an alternative non-physical assignment.

Scholars' are expected to be prepared for physical activity by having proper footwear that permits safe movement, and by wearing no jewelry that interferes with, or is unsafe for activity. Lockers are available, but locks are not provided. Scholars are strongly encouraged to bring their own lock and secure their belongings to prevent theft.

ADAPTIVE HEALTH

CRS H8767

GR 10 – 12

CR ½ S

This course will consist of participation in various fitness related activities in combination with valuable health education lessons with the purpose of improving fitness levels and developing a basic understanding of important health and wellness topics. The topics covered in this course will include:

- Fitness – health and skill related fitness components, personal pre- and post- fitness assessments, path of blood through the heart, major muscles in the body, major bones in the body, ways to improve health related fitness components such as flexibility, cardiovascular endurance and muscular strength and endurance.
- Nutrition – major nutrients and their importance, balanced meals and snacks, serving sizes and portion control, water consumption, organic vs. conventional food.
- Managing stress and anxiety
- Personal care, health behaviors and communicable diseases
- Healthy relationships – family and peers
- Growth and development – lifecycle and understanding adolescent growth and change. Drugs, alcohol and tobacco
- Injury prevention and safe behaviors
- First aid and how to deal with an emergency
- Environmental health – air, land, water, healthy environment

UNIFIED PHYSICAL EDUCATION

CRS H9689

GR 9 – 12

CR ½ S

This course will consist of participation in various fitness related activities and sports with the purpose of improving a wide variety of sports skills and enhancing overall physical fitness. The various sports/activities that scholars will participate in during the semester include: Soccer, wiffle ball, tag games, volleyball, dodgeball activities, football, Frisbee, fitness, basketball, floor hockey, team handball, group challenges, kickball, yoga, badminton, pickleball and badminton.

During this course, scholars will be able to:

- Understand basic rules and terminology for each sport
- Understand, develop and improve on skills and strategies for various sports
- Maintain and/or improve personal fitness levels
- Exhibit attributes of positive sportsmanship within each sport played
- Understand and apply safety principles specific to each individual sport
- Exhibit a positive attitude as a participant of each selected sport

HEALTH I**CRS H7729****GR 9 – 12****CR ½ S**

A required course of study that focuses on communication and interpersonal skills, health assessment, risk and protective factors and behavior management. The course promotes lifetime skills and health-enhancing activities. Scholars participate in an assessment of various areas of wellness: physical, emotional, social, life planning, environmental, spiritual, cultural, financial and intellectual wellness. Scholars assess personal wellness, identify resources, set goals, and plan strategies and learn how to look at decision-making. Topics include, but are not limited to: Management of mental wellness, basic nutrition, types of fats, how various nutrients affect the body, BMI, disordered eating and body image, energy drinks, skin cancer, sleep, Internet safety will be explored. Sexuality will focus on basic anatomy and physiology of the male and female reproductive system, STD's, birth control, preventive exams, and basic safety issues in dating will be discussed. Friendships, bullying and harassment will also be addressed within this course. Scholars will maintain journals and evaluate progress throughout the program.

HEALTH II**CRS H7730****GR 10 – 12****CR ½ S**

A required course of study that focuses on character education, which encompasses ethics, morals and values and how they affect decisions in their health behaviors and health related goals. Scholars will focus on enhancing protective factors to reduce health-compromising behaviors. They will learn about resiliency and how to develop healthy behaviors. Scholars will evaluate media and their influences in health as well as learning how to manage anger and other emotions while developing positive communication skills. We will look at risk taking in relation to drug abuse and addiction. Scholars will identify health relationships and personality types that could put them at greater risk for being in unhealthy relationships. Basic emergency skills with a focus on skills based learning will be incorporated into the course. LGBTQ+ will be incorporated into various topics within the course as well as have separate lessons to focus on vocabulary, gender identity and equity. We are also utilizing information from the Safe Schools Program for LGBTQ scholars which is a joint initiative between the Massachusetts Department of Elementary and Secondary Education – www.doe.mass.edu/ssce/lgbtq and the Massachusetts Commission on LGBTQ – www.mass.gov/cgly

PHYSICAL EDUCATION I**CRS H7726****GR 9 – 12****CR ½ S**

Successful completion of Physical Education I provides scholars with the necessary knowledge and skills to improve fitness levels in order to live a healthy lifestyle. Physical fitness is essential for optimal physical wellness. Physical Education I focuses on individual skill development in a variety of physical activities. An introductory fitness unit, utilizing the Fitness Center, will focus on proper and effective use of the weight and aerobic equipment. Scholars will also participate in a variety of team and individual/dual sports as a means of gaining more opportunity for physical activity throughout their life.

PHYSICAL EDUCATION ELECTIVES

Must take one of the following to earn second required physical education .5 credit.

LIFEGUARDING**CRS H7736****GR 10 – 12****CR ½ S**

Scholars will take a certified American Red Cross lifeguarding course. Fee may apply if scholars opt to receive official Red Cross certification. ***Prerequisite: Scholars need to have a recommendation from a Physical Education teacher to ensure that they can meet the minimum requirements: Be able to complete a 500 yard swim (20 lengths of the pool) in 25 minutes or faster. Scholars also must complete a timed submerged object recovery from the deep end of the pool to the shallow end in 1min, 30sec. or faster.***

LIFETIME AND RECREATIONAL ACTIVITIES**CRS H7737****GR 10 – 12****CR ½ S**

Scholars will participate in a variety of non-competitive activities. Class emphasis is on gaining a basic knowledge of individual sports, fitness and lifetime activities. Sports and activities include, but are not limited to, badminton, golf, tennis, walking/jogging, table tennis, disc golf, handball, and pickleball. These sports/activities have been chosen to encourage scholars to participate in physical activity for life and to promote good health and wellness.

TEAM SPORTS**CRS H7707****GR 10 – 12****CR ½ S**

Team Sports is a semester course that gives scholars a chance to play, coach and officiate various team sports in league and tournament play. The course focuses on sport skill techniques, offense and defense variations, fitness, officiating, rules, drills, and safety procedures. Scholars will assess their personal fitness level and explore the role of team sports in their lives.

PERSONAL HEALTH AND FITNESS**CRS H7712****GR 10 – 12****CR ½ S**

The emphasis in this course is on muscular strength, endurance, flexibility, and safety. The core focus of this course will be based on scholars using weight training machines, free weights, and plyometric exercises to target specific muscle groups on specific days. This course will also include weight room safety, warm-up/cool down procedures, lifting technique and safety for all lifts, major muscle identification, and individual goal setting are all important components in this course. In addition, scholars will monitor and improve their fitness levels by participating in fitness assessments throughout the semester.

AQUATICS**CRS H9701****GR 10 – 12****CR ½ S**

Swimming is one of the joys of life. As well as being a vital life skill, the ability to swim opens up a raft of opportunities for students to enjoy a healthy, active and safe lifestyle and to confidently participate in aquatic recreational and sporting activities. This course provides appropriate water safety outcomes for all students by implementing an integrated teaching, assessment and reporting document called the Swimming and Water Safety Continuum. Students will develop effective techniques to help improve their swimming and water safety skills as well as muscle conditioning for longevity. The Swimming Continuum is written in a skill-by-skill format and demonstrates the sequential way to learn swimming, water safety skills, and adaptive water games. Aquatics aims to inform minimal competency in areas such as hazards and personal safety in the water; entry and exit; flotation; rescue; survival sequence; underwater; and swimming exercises.

YOGA**CRS H7738****GR 10 – 12****CR ½ S**

This yoga course will be practiced with the use of yoga mats, blocks, yoga straps and foam rolls. It will also include 1 weekly Mat Pilates session to help build strength in the “powerhouse” (core muscles). The goal of this course is to improve flexibility, enhance body awareness and mind connection, increase strength, suppleness, stamina, improve proprioception (balance), enhance posture, agility and grace, cleanse and condition internal systems, enhance bodily processes (ex: digestion), improve breathing which leads to clarity, stillness of mind and concentration, reduce anxiety, emotional tension and mood swings, alleviate or eliminate specific physical symptoms (ex: PMS, headaches, backaches, stress, insomnia, asthma and irritable bowel syndrome, assist in the management of or recovery from cancer, HIV, arthritis and other degenerative disease and enables you to find your personal path of discovery to be the best version of you. Topics covered include:

- Basic History of Yoga
- The Yoga Diet
- Tips, safety guidelines and various styles of yoga practice
- Benefits of healing stones, crystals and essential oils.

ADDITIONAL WELLNESS ELECTIVES

Please note: The following credits do not count toward physical education graduation requirement.

ADDICTIONS**CRS H7716****GR 11 – 12****CR ½ S**

The study of the nature, causes, and interventions of addiction in relationship to a variety of topics. Historical and sociocultural trends are evaluated in view of current addiction theories. Emphasis is placed upon the relation of addiction to family and work environments, as well as the development of alternate lifestyles

FIRST AID AND CPR**CRS H7713****GR 11 – 12****CR ½ S**

Scholars will learn First aid and CPR. Curriculum will be based on the American Red Cross standards. Fee may apply if scholars receive official Red Cross certification. **Prerequisite – Health I and Health II.** 🏆 **School to Career requirement option.**

SUPPORT FOR SCHOLARS WITH INDIVIDUALIZED EDUCATION PLANS

Special Education services are determined through the Team process according to federal and state regulations. Eligible students receive the services specified in their Individual Educational Programs that enable them to receive a free and appropriate public education in the least restrictive environment. Each student's program is designed to ensure a successful transition to their individual post high school goal and to support the acquisition of skills necessary to become productive members of the larger community.

INSTRUCTIONAL STRATEGIES

CRS H8874

GR 9 -12

CR 1 Y

Students are placed into Instructional Strategies as outlined in their IEP. The Special Education teacher provides review and re-teaching of key concepts in other classes, support for organizational, study and planning skills and strategies, and monitoring of work completion and comprehension.

TRANSITION SEMINAR

CRS H9583

GR 11-12

CR 1 Y

Students are placed into Transition Seminar as outlined in their IEP. The Special Education teacher provides review and re-teaching of key concepts in other classes, support for organizational, study and planning skills and strategies, and monitoring of work completion and comprehension. This course also provides students with the opportunity to reinforce independent living, personal/social skills and career education skills. Practical units of study such as banking, budgeting, preparing for a job, interviewing, completing job applications, and communication skills etc. are content areas emphasized. Attention is also given to academic skills, communication skills, social skills, vocational skills and self-determination skills.

FUNCTIONAL COURSES

Placement in Functional Courses is based on a scholar's Individualized Education Plan. Courses are offered in small groups and include functional academics, prevocational skills, vocational skills, adult daily living skills, and community awareness. The program also incorporates Home and Personal care skills that stress the importance of dignity and increased opportunities for independence in both home and community settings. All students work on critical skills to enhance their quality of life as they transition into the adult world.

FUNCTIONAL ENGLISH 9

CRS H9211

GR 9

CR 1 Y

Students access the grade 9 English Language Arts Core Curriculum. Emphasis will be placed on reading comprehension skills using real world informational texts. Reading for enjoyment is promoted in each course. Vocabulary development will focus on the use of context clues to enable a reader to comprehend more advanced texts. Language skills such as punctuation, capitalization, and sentence structure will be taught and applied to real world situations. Students should expect to participate in class discussions, group work projects, improve their use of technology and will be engaged in hands-on writing.

FUNCTIONAL ENGLISH 10

CRS H9212

GR 10

CR 1 Y

Students access the grade 10 English Language Arts Core Curriculum. Emphasis will be placed on reading comprehension skills using real world informational texts. Reading for enjoyment is promoted in each course. Vocabulary development will focus on the use of context clues to enable a reader to comprehend more advanced texts. Language skills such as punctuation, capitalization, and sentence structure will be taught and applied to real world situations. Students should expect to participate in class discussions, group work projects, improve their use of technology and will be engaged in hands-on writing.

FUNCTIONAL ENGLISH 11

CRS H9213

GR 11

CR 1 Y

The English sequence of courses for grades 11 continues to build on reading comprehension skills gained in English 1 and 2 with an emphasis on real world informational texts. Reading for enjoyment is promoted in each course. Students will be introduced to reading encountered in their everyday lives such as local newspapers, bus schedules, restaurant menus, and store flyers. Language skills such as punctuation, and capitalization are applied to real life situations.

FUNCTIONAL ENGLISH 12

CRS H9214

GR 11

CR 1 Y

The English sequence of courses for grades 12 continues to build on reading comprehension skills gained in previous grades with an emphasis on real world informational texts. Reading for enjoyment is promoted in each course. Students will be introduced to reading encountered in their everyday lives such as local newspapers, bus schedules, restaurant menus, and store flyers. Language skills such as punctuation, and capitalization are applied to real life situations.

FUNCTIONAL MATH 9**CRS H221****GR 9****CR 1 Y**

This sequence of courses is designed to develop basic computational skills and their applications to real life situations. Students will develop an awareness of mathematics as an essential part of everyday living. They will work on developing the knowledge, understanding and skills required to apply number operations to real life situations. In addition they will work on money skills including counting and making change. Students will develop knowledge and understanding of the impact of time on activities in everyday life and skills in time management. Students will develop skills in the practical application of measurement tools and units.

FUNCTIONAL MATH 10**CRS H9232****GR 10****CR 1 Y**

This sequence of courses is designed to develop basic computational skills and their applications to real life situations. Students will develop an awareness of mathematics as an essential part of everyday living. They will work on developing the knowledge, understanding and skills required to apply number operations to real life situations. In addition they will work on money skills including counting and making change. Students will develop knowledge and understanding of the impact of time on activities in everyday life and skills in time management. Students will develop skills in the practical application of measurement tools and units.

FUNCTIONAL MATH 11**CRS H9223****GR 11****CR 1 Y**

Each course continues the instruction at the scholar's level from the previous course. Students will develop knowledge and understanding and skills that enhance their handling and management of money. Additional functional math topics will be introduced including calculating sales tax, writing checks, and maintaining bank balances.

FUNCTIONAL MATH 12**CRS H9224****GR 12****CR 1 Y**

Each course continues the instruction at the scholar's level from the previous course. Students will develop knowledge and understanding and skills that enhance their handling and management of money. Additional functional math topics will be introduced including calculating sales tax, writing checks, and maintaining bank balances.

FUNCTIONAL SOCIAL STUDIES 9, 10, 11,12**GR 9-12****CR 1 Y**

This sequence of courses covers Civics, World History and United States History. Students complete one unit per year in each of the three areas.

FUNCTIONAL SCIENCE 9, 10, 11, 12**GR 9-12****CR 1 Y**

This sequence of courses covers Biology, Earth Science, and Physics. Students complete one unit per year in each of the three areas.

FUNCTIONAL DAILY LIVING SKILLS 9-12**GR 9-12****CR 1 Y**

Placement in Fundamentals of Daily Living Skills is determined by a scholar's Individualized Education Plan. The purpose of teaching life skills is to give scholars the ability to increase their success outside of high school. To master life skills scholars must work on these daily for continual growth. Opportunities include participation on supported life skills groups, prevocational opportunities and community integration. Development of social and communication skills is also emphasized. Technology is incorporated to orient students to 21st Century demands including safe computing and Internet usage as well as assist them in accessing skills in order to become more knowledgeable citizens.

U.S. Marine Corps. JROTC

USMC JROTC I

CRS H6696

GR 9 – 12

CR 1 Y

LE – I is designed to form good habits, self-discipline and sound study skills under the watchful supervision of senior cadets, the senior marine instructor (SMI) and marine instructor (MI). While strengthening character, the scholar will develop respect for, and an understanding of, the need for constituted authority in a democratic society. It is also designed to instill the value of citizenship, Service to the United States, personal responsibility, accountability, authority and a sense of accomplishment. Military organization from the lowest to highest echelons are studied and how they interact with various segments of government. Military terminology, rank structure, chain of command, military justice, uniform inspections, drill and ceremonies, and physical training are all used in developing citizen and leadership values. All scholars are required to wear a military uniform one time per week for an entire year. This is a graded event and the uniforms are provided by the USMC at no cost to the scholar. Freshmen through seniors are invited to sign up for this elective course. ✓ ***School to Career requirement option.***

USMC JROTC II

CRS H6697

GR 10 – 12

CR 1 Y

LE – II includes close order drill to include sword drill as well as marksmanship safety instruction, and marksmanship skill training with Crossman 177 pellet rifles. These pellet rifles are provided by the USMC along with all the necessary safety equipment, targets, traps, pellet ammunition and essential shooting equipment to conduct proper marksmanship training in our approved shooting range. USMC history from 1945 through the Vietnam war is studied in detail. Ethics and law of land warfare is also studied. Developing strong citizenship skills with an emphasis on leadership. The addition of public speaking, confidence building skills, advanced drill techniques and becoming a classroom leader are paramount to leadership development. ***Prerequisite for this course is a passing grade in USMC JROTC I.*** ✓ ***School to Career requirement option.***

USMC JROTC III

CRS H6698

GR 11 – 12

CR 1 Y

This course is designed for those scholars interested in going into the military after graduation and those that may want to pursue a military scholarship to college or one of the military academies. Current events, constitutional law, military ethics, law enforcement and community service are some of the topics covered. History continues with the genesis of the Taliban to ISIS and some of the background behind its growing emergence. Military service is not required after completing this course, however, scholars that do complete this course may go into the military three pay grades higher than regular enlistees. College ROTC scholarships and acceptance to military academies is greatly enhanced by successful completion of this course. The scholar may find themselves providing leadership instruction to younger scholars through demonstration and one on one remedial training. ***Prerequisite for this course is satisfactory completion of USMC JROTC II and recommendation by the Senior Marine Instructor.*** ✓ ***School to Career requirement option.***

USMC JROTC IV

CRS H6699

GR 12

CR 1 Y

This course is the culmination of the previous three years of Leadership Education. The scholar finds themselves under the watchful eye of the Senior Marine Instructor and Marine Instructor, preparing lesson plans for younger cadets, teaching the class they prepared, developing test materials, grading and evaluating performance. Leadership is enhanced by performing weekly inspections of younger cadets, training drill movements, lending physical training, and learning to tactfully correct younger cadets. Cadets will become role models and will be expected to set a positive example at all times both in the classroom and out, both in uniform and out of uniform. This role is much like that of a mentor and similar to the captain of a varsity sports team. Only the best and most sincere should endeavor to undertake this responsibility. ***Prerequisite for the course is satisfactory completion of USMC JROTC I, II and III.*** ✓ ***School to Career requirement option.***



COMPUTER BASED LEARNING (CBL)

Haverhill High School offers CBL options for:

- Dropout Prevention
- Credit Recovery
- Alternative Instruction
- Advanced Placement

Complete Core Curricula Available

Computer Based Learning contains the entire core high school curricula with courses to cover all four years of high school in the four main subject areas of Mathematics, English, Social Studies, and Science.

Computer Based Learning delivers a proven, rigorous core high school curriculum designed to help every scholar achieve objective-based mastery and prepare them for graduation and college. The powerful learning management system also gives you the control to prescribe curricula, customize lessons and tests, and monitor scholar activity and track performance.

SCHOOL COUNSELING PROGRAM

School Counselors provide a variety of scholar and community based services including, academic, career and post-secondary planning, and crisis intervention/resources. The School Counseling Office offers a comprehensive developmental guidance program consisting of individual and group sessions with scholars, as well as parent/guardian evening informational presentations. The administration, counselors, teachers, and scholars work together to promote the best interests of the school and the individual scholar.

Scholars are assigned a school counselor as freshmen and work individually with their counselor throughout their high school career. This system allows the counselor and scholar to develop the relationship necessary to work closely in developing both short and long-term goals. Together they develop an individualized four-year plan that helps the scholar actualize their potential and dreams.

The focus of the school counselor is to work with the scholars and their parents/guardians in matters pertaining to academic advising, post-secondary planning, and personal/social counseling. This could include adjustment to school, registering for courses, placement in classes, college and career exploration, testing, tutoring, and personal/emotional issues. School counselors have access to a wide variety of community and collegiate resources in order to provide the scholars with the best possible options for all their needs.

Scholars can make an appointment with their counselor by visiting the School Counseling Office in the L Wing before or after school, during lunch or during study halls. Parents are encouraged to call or email their child's counselor to make an appointment to discuss any areas of concern. Conferences may be arranged before or after school or at designated times during the school day.

SERVICES

The counseling staff meets with scholars on an individual and group basis. Some featured group presentations for scholars and parents include:

- Freshman Orientation Program (scholars)
- PSAT Presentations (scholars and parents)
- Junior Class Presentations ~ includes career and college exploration (scholars and parents)
- Senior Class Presentations ~ college and post-secondary planning (scholars and parents)
- Course Selection and Registration Meetings (scholars)
- College Financing Seminars (scholars and parents)
- College and Career Fair (scholars and parents)
- College Search Workshops for Juniors (scholars)
- Scholarship Workshops for Seniors (scholars)
- College Application Workshops for Seniors (scholars)
- Summer College Bootcamp for Rising Seniors (scholars)
- Career Exploration Workshops for Sophomores (scholars)
- ASVAB Career Exploration Exam (scholars)

Counselors will maintain regular contact with faculty and staff to ensure progress of each scholar and will assist the scholar in selecting an educational program that is appropriate for his/her educational and vocational interests. Counselors will work with the scholar and their parent/guardian to make any necessary referrals for outside tutoring, remedial work, 504 and special education services.

COLLEGE & POST SECONDARY PLANNING

The college search and application process involve long term planning. Beginning in their freshmen year with the creation of the 4-year plan counselors and scholars work collaboratively in selecting an appropriate post-secondary path. Counselors assist scholars in the following ways:

- Course selection
- Guided Naviance Family Connection activities (The Game Plan, Personality and Career Surveys)
- College search process
- College majors and related careers
- PSAT/SAT/SAT Subject/ACT testing
- College application Process
- Essay/Resume writing
- Letters of Recommendation
- College visits and interviews
- Financial Aid/Scholarships

Scholars are encouraged to utilize the resources available in the school counseling office to assist them in this process. The School Counseling Suite has computers available to the scholars to aid them in obtaining information about colleges and careers.

NAVIANCE & FAMILY CONNECTIONS

Family Connection from Naviance is a web-based service designed especially for scholars and parents. It is a comprehensive website that scholars and parents can use to help make decisions about colleges, careers, and post-secondary plans. Each scholar has a profile on Family Connection and is linked directly to the counseling office so that the counselors can monitor each scholar's progress in the college admissions process. It will specifically track and analyze data about college admissions and Haverhill High School scholars so it can provide up-to-date information that is specific to our school.

Family Connection allows scholars and families to:

- **Get involved in the planning and advising process**
 - Build a resume, complete on-line interest, personality and career inventories, and manage your timelines and deadlines for college admissions
- **Research Colleges**
 - Compare your GPA, standardized test scores, and other statistics to actual historical data from Haverhill High School for scholars who have applied to your college of interest in the past.
- **College Visits**
 - Keep track of which college admissions representatives are visiting Haverhill High School and register yourself right online for these visits.
- **Scholarship Information**
 - See what's available to HHS scholars for national, state and local scholarships
- **Stay in Touch**
 - Counselors can send regular emails and reminders to share information with the scholar and parent about upcoming meetings, events, deadlines, and scholarship information.

To access our school's Family Connection site, please visit: <http://connection.naviance.com/haverhill>

Each scholar and parent will have his or her own access code to this site. Counselors can activate scholar or parent accounts and/or re-set passwords for anyone needing access to Naviance.

STANDARDIZED TESTING

The following is a summary of the testing programs made available to the scholars through the School Counseling office. Most of this testing is voluntary; however, scholars who plan to attend college after high school should take full advantage of all the testing opportunities available. These tests are usually a requirement for college admissions, so scholars must do their research to see what is required by each school or organization.

Information about testing will be available on the Haverhill High School School Counseling website and on Family Connection; however, it is the responsibility of the scholar to register for these exams, watch their deadlines, and to research which colleges require additional testing (such as the SAT Subject Test). The standardized tests recommended by the school counseling department are:

- **Preliminary Scholastic Aptitude Test and National Merit Scholarship Qualifying Test (PSAT/NMSQT)** ~ This 2 hr., 45 minute version of the SAT is valuable for practice. It is highly recommended that scholars take this test in October of their sophomore AND junior year. For juniors, the National Merit examination is utilized by scholarship program sponsors for applicants who may qualify for scholarship consideration in their senior year. A detailed individual report is provided to each participant highlighting their weaknesses and strengths, and also offers them information about how to begin their college admissions journey. This test is offered only once per year. Registration information is available in the school counseling office at the beginning of each school year.
- **Standardized Aptitude Test (SAT)** ~ The SAT is a globally recognized college admission test that shows colleges what you know and how well you can apply that knowledge. It tests your knowledge of reading, writing and math — subjects that are taught every day in high school classrooms. Most scholars take the SAT during their junior or senior year of high school, and almost all colleges and universities use the SAT to make admission decisions. Practice tests, tips, as well as registration information, are available at www.collegeboard.org
- **SAT Subject Test** ~ Subject Tests are hour-long, content-based tests that allow you to showcase achievement in specific subject areas where you excel. These are the only national admission tests where you choose the tests that best showcase your achievements and interests. SAT Subject Tests allow you to differentiate yourself in the college admission process or send a strong message regarding your readiness to study specific majors or programs in college. There are 20 SAT Subject Tests in five general subject areas: English, history, languages, mathematics and science. Some of the more competitive colleges REQUIRE 2-3 SAT Subject Tests; it is the responsibility of the scholar to see if it is necessary for the colleges they are applying to.
- **ACT** ~ The ACT is also a nationally accepted college entrance exam and is looked at interchangeably with the SAT and SAT Subject Tests. It assesses high school scholars' general education development and their ability to complete college-level work. The multiple choice test covers four skill areas: English, mathematics, reading, and science. The writing test, which is optional, measures skills in planning and writing a short essay. In order for the ACT to be considered in place of the SAT for college admissions, the scholar MUST take the optional writing section. Visit www.act scholar.org for additional information, practice tests, and registration information.
- **Exams (AP)** ~ AP exams are offered in May to all scholars who have participated in an AP course throughout the school year, either at the high school or on VHS (Virtual High School). Through AP's college-level courses and exams, you can earn college credit and stand out in the admission process. There are currently 19 AP courses offered at Haverhill High School, with the opportunity to take any not offered at Haverhill High School online through Virtual High School. See your counselor for more information.

DUAL ENROLLMENT AND COLLEGE CREDIT

Scholars have the option of taking courses at local colleges while enrolled at Haverhill High School. College courses may be used for Haverhill High School graduation requirements **with prior approval**. Scholars must review dual enrollment courses with their counselor and the Curriculum Supervisor for approval and authorization. Each 3-credit college course is equal to 1 credit at Haverhill High School. College courses are on a self-pay basis; however, opportunities for dual enrollment may be available depending on state funding. Scholars should make arrangements through their counselor if interested in this option.

CONFERENCES WITH COLLEGE REPRESENTATIVES

In the fall and spring of each school year, admissions representatives of schools and colleges visit the high school to meet with seniors and juniors who may be interested in receiving information about that program. It is to the scholar's advantage to attend these meetings, specifically for the schools that are their top choices. When representatives of schools or colleges visit the high school, notification will be made through daily notices and the Naviance program. Scholars may attend the college representative visits by obtaining passes in the school counseling office one day prior to the event. Study or classroom teachers must sign passes giving a scholar permission to miss class in order for scholars to attend these visits.

NCAA - NATIONAL COLLEGIATE ATHLETIC ASSOCIATION

Scholar-athletes must register with the NCAA Eligibility Center to be eligible to play NCAA Division I or II sports in college. Athletes playing in Division III do not have to register. Scholars should work closely with their coaches and school counselors to determine if they should complete this process.

What is the NCAA Eligibility Center?

The NCAA Eligibility Center certifies whether prospective college athletes are eligible to play sports at NCAA Division I or II institutions. It does this by reviewing the scholar-athlete's academic record, SAT or ACT scores, and amateur status to ensure conformity with NCAA rules.

What are NCAA Divisions I, II, and III?

The NCAA is the governing body of many intercollegiate sports. Each college regulated by the NCAA has established rules on eligibility, recruiting and financial aid, and falls into one of the three membership divisions (Divisions I, II and III). Divisions are based on college size and the scope of their athletic programs and scholarships.

When should scholars register?

The NCAA recommends that scholar-athletes register at the beginning of their junior year in high school, but many scholars register after their junior year. There is no registration deadline, but scholars must be cleared by the Eligibility Center before they receive athletic scholarships or compete at a Division I or II institution.

How do scholars register?

Scholars must register online at the NCAA Eligibility Center. The link for this site is accessible through the Haverhill High School School Counseling website and on Naviance Family Connection site. Scholars will have to enter personal information, answer questions about their course work and sports participation outside of high school and pay a registration fee.

Can scholars have the registration fee waived?

Scholars who have received a waiver for the SAT or ACT are eligible for a waiver of the registration fee. The scholar's counselor must submit confirmation of the scholar's test fee waiver. Please see your counselor for more information.

FINANCIAL AID AND SCHOLARSHIPS

In view of the ever-increasing costs of college, families need to take advantage of all resources available to finance higher education for their children. The school counseling department partners with MEFA (Massachusetts Educational Financing Authority) to bring parents and scholars the most up to date information and assistance regarding financial aid for college. Parents are able to access this information from the school counseling website or by visiting the following:

- www.mefa.org
- www.fafsa.ed.gov
- www.collegeboard.org

As a service to families, the school counseling department sponsors various Financial Aid Workshops each year with personnel from MEFA and other professional organizations to assist families in the process of securing financial aid and the preparation of the FAFSA (Free Application for Scholar Aid) and the CSS-Profile.

Scholarships from other sources: Throughout the year, the school counseling department receives notifications from local, state, and national organizations offering scholarships to our scholars. These scholarships are primarily from business, industrial, professional, and fraternal organizations. Criteria for these awards are usually based on academic achievement, community service, test scores, essays, and leadership qualities. These scholarships are publicized and updated weekly on Haverhill High School Naviance Family Connection and can be accessed by anyone in the Haverhill High School community. It is the responsibility of the scholar to regularly check Naviance Family Connection for updates and deadlines, and to pursue these opportunities. School counselors are ready to offer any assistance with this process in regards to information, recommendation letters, and transcripts.

In addition, it is important for families to inquire about scholarships offered by their own employers, fraternal and veteran organizations, and church groups.

Local Scholarships for Haverhill High School scholars: In addition to the scholarships on Naviance, numerous local scholarships are also available specifically for Haverhill scholars at the high school. These scholarships are published yearly on our Haverhill High School website with instructions for scholars as to how to pursue each scholarship. Selection for most of these scholarships is based on need and merit, and upon being awarded, will be announced at the various end of the year ceremonies held for the senior class. Please check the website regularly for updates on deadlines and funding.

HAVERHILL HIGH SCHOOL ATHLETICS INFORMATION



Haverhill High School sponsors a broad-based athletics program, offering **35** sports programs and fielding over **57** different teams. All programs are also governed by rules of the Massachusetts Interscholastic Athletic Association (MIAA).

The materials outlined below define some of the policies and procedures for all scholars participating in our High School Athletic program. Scholars must meet all academic eligibility requirements as well as the rules and regulations set forth in both the MIAA Handbook and Haverhill Parent/Scholar-Athlete Guide.

Fall Season	
Cheerleading (Football)	Cross County , B/G
Crew, B/G	Football, (V/JV/FR)
Field Hockey, (V/JV/FR)	Soccer, B/G, (V/JV)
Golf	Volleyball, G (V/JV/FR)
Swimming, G	

Winter Season	
Basketball, B/G (V/JV/FR)	Wrestling (V/JV)
Ice Hockey, B (V/JV), G (V)	Skiing, B/G
Swimming B	Indoor Track, B/G
Cheerleading (Basketball)	Gymnastics

Spring Season	
Baseball, (V/JV/FR)	Softball (V/JV/FR)
Tennis, B/G	Track and Field, B/G
Volleyball, B (V/JV)	Lacrosse, B/G (V/JV)
Crew, B/G	

Unified basketball – Co-educational

Unified Track and Field – Co-educational

Haverhill High School sponsors a Unified Basketball team and a Unified Track and Field team. These teams are supported by the MIAA and by the Special Olympics and bring together scholars with and without intellectual abilities. These teams will be competing against other schools in the Merrimack Valley Conference.

Participation Requirements

Scholar-athletes and parents must submit the following prior to participation:

Participation Packet – includes Haverhill High School Permission Form, Medical History and NRH Consent.

Physical Examination - Scholar-athletes must present a valid physical on an annual basis. Physicals are valid for 13 months. Any scholar who has an expired or invalid physical will NOT be permitted to participate under any circumstances. Updated physicals should be submitted online or to the athletic department office through the course of the year. Physical examinations must be performed by a duly registered physician, physician's assistant, or nurse practitioner.

Haverhill's scholar-athletes have enjoyed substantial success, boasting All-New England Champions, MIAA State Champions and Boston Globe All-Scholastic recipients. More importantly, scholars who participate in Athletics are given the opportunity to broaden their educational experience through team membership, Sportsmanship, competition, hard work, and commitment.

ACADEMIC REQUIREMENTS FOR ELIGIBILITY IN ATHLETICS

A scholar must secure during the last marking period preceding seasonal tryouts (e.g., second quarter marks and not semester grades determine third quarter eligibility) a passing grade in the equivalent of four major subjects. To be eligible for the fall marking period, scholars are required to have earned credits for the previous academic year equivalent to four full year courses. A scholar cannot at any time represent Haverhill High School unless that scholar is enrolled on a full-time basis. The academic eligibility of all scholars shall be considered as official and determined only on the date when the report cards for that marking period have been issued to the parents of all scholars. Incomplete grades will not be counted toward eligibility. The rules below also apply to academic eligibility:

1. A scholar who repeats work for which he or she has once received credit cannot count that subject a second time for eligibility.
2. A scholar cannot count for eligibility any subject taken during summer vacation unless that subject has previously been pursued and failed.

***Please see page 86 for information on: NCAA – NATIONAL COLLEGIATE ATHLETIC ASSOCIATION**



HAVERHILL HIGH SCHOOL DIRECTORY – F24

(978) 374-5700

Position	Name	Extension
Principal	Kevin Soraghan	X1101 or x1154
Associate Principal	Victoria Lu	X1104
Assistant Principal	Nelly Garcia Santana	x1121
Assistant Principal	Frank Kowalski	X1109
Assistant Principal	Jon Mangion	X1139
Assistant Principal	Michael McLeod	X1138
Assistant Principal	Dinorah Peralta	X1130
Career Technical Education Supervisor 5 – 12	Victoria Kelley	X1175
Athletic Director	Thomas O'Brien	x1141
Attendance Supervisor	Lorna Marchant	978-374-5730
English	Thessalea Heinrichs, Dean	978-420-1928
English Language Education		978-420-1933
Business Academy	TBA, Dean	xxx-xxx-xxxx
Fine Arts Classical Academy	Ellen Mullane, Dean	x4403
Guidance & Scholar Support Services	Petra Farias, Supervisor	x1133
Library/Media Services	Henry Toromoreno	x1143
Mathematics	Daniel Tanguay, Dean	978-420-1904 x1139
Physical Education and Wellness	Lisa Begley, Lead Teacher	x4208
Science, Technology and Engineering	Grace McIntyre, Dean	978-420-1976 x4730
Social Studies	Tom Jordan, Dean	978-374-3400, x4319
Special Education		978-374-3435, x1131
World Languages	Zachary Eldridge, Dean	978-374-3400

<http://www.haverhill-ps.org> or www.hillies.org

Haverhill Public Schools does not discriminate on the basis of race, color, religion, national origin, gender, gender identity, sexual orientation, or disability in admission to, employment in, or treatment in its programs and activities