

East Lyme High School Program of Studies





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MISSION STATEMENT

The East Lyme High School experience prepares students academically, emotionally, and socially to be positive forces in the world and to live responsible, purposeful, and healthy lives.

GRADING SYSTEM, GRADE POINT AVERAGE AND CLASS RANK

GRADING SYSTEM

Class work, homework, class participation, and test marks are included in the computation of the student's grades. The passing mark in all subjects at East Lyme high School is 60. Grades are reported quarterly by means of the report card. Class participation is a valued component of a student's education at ELHS and will be clearly defined in each teacher's Class Expectation document.

Letter grades recorded on the report card reflect the following figures:

A+	97-100	4.33	A	93-96	4.0	A-	90-92	3.67
B+	87-89	3.33	B	83-86	3.0	B-	80-82	2.67
C+	77-79	2.33	C	73-76	2.0	C-	70-72	1.67
D+	67-69	1.33	D	63-66	1.0	D-	60-62	0.67
F	Below 60	0.0	WF	Withdraw Failing	0.0			
AU	AUDIT	N/A	P	Pass	N/A	I	Incomplete	N/A

GPA

Both an unweighted and weighted GPA will be calculated for each student and reported in the second semester of junior year and after each subsequent semester. The unweighted GPA is a simple average of all courses (see grid). The weighted GPA is based on grades earned in leveled classes with multipliers of 1.05, 1.1, and 1.15 applied to grades in A-level, Honors, AP and UConn ECE courses, respectively. A class rank will not be reported.

Report Cards and Marking System

The school year is divided into four quarters for the purpose of issuing grades. Report cards are prepared shortly after the close of each marking period. Report cards are available on Infinite Campus. Hard copy report cards are available from the Registrar by request. The grade for each quarter is determined independently of the preceding quarter but the midyear and final averages are cumulative. Additional reports may be issued at any time during a quarter.

Grades for Honor Roll are based on the simple GPA.

		Simple GPA	Weighted GPA				Not included in GPA	
			AP/ ECE (x1.15)	Honors (x1.1)	A-level (x1.05)	B/C-levels (x1.0)	P	Pass

A+	97-100	4.33	4.98	4.76	4.55	4.33	I	Incomplete
A	93-96	4.0	4.6	4.4	4.2	4.0	AU	AUDIT
A-	90-92	3.67	4.22	4.04	3.85	3.67		
B+	87-89	3.33	3.83	3.66	3.50	3.33		
B	83-86	3.00	3.45	3.30	3.15	3.00		
B-	80-82	2.67	3.07	2.94	2.80	2.67		
C+	77-79	2.33	2.68	2.56	2.45	2.33		
C	73-76	2.00	2.30	2.20	2.10	2.00		
C-	70-72	1.67	1.92	1.84	1.75	1.67		
D+	67-69	1.33	1.53	1.46	1.40	1.33		
D	63-66	1.0	1.15	1.1	1.05	1.0		
D-	60-62	0.67	0.77	0.74	0.70	0.67		
F	Below 60	0.0	0.0	0.0	0.0	0.0		
WF		0.0	0.0	0.0	0.0	0.0		

GRADUATION REQUIREMENTS

Graduation Requirements for Classes of 2019 and 2020

English	4.0
Social Studies	3.0
Science	3.0
Mathematics	3.0
Global Languages	2.0
Health/Physical Education	2.0
Fine Arts	0.5
Vocational Education	0.5
Electives	7.0
Total Credits Required for Graduation	25

HONOR ROLL

The Honor Roll is computed at the end of each quarter based on quarter grades in all subjects. High honors require a 3.75 average consisting of A's and B's only. Honors require a 3.0 average with no Ds or Fs.

PROMOTION REQUIREMENTS

Promotion is based on the cumulative total of credits earned as follows:

To Grade 10	To Grade 11	To Grade 12
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Graduation Requirements for Classes of 2020, 2021 and after

English	4.0
Social Studies*	3.5
Science	3.0
Mathematics	3.0
Global Languages	2.0
Health/Physical Education*	1.5
Fine Arts	0.5
Vocational Education	0.5
Electives	7.0
Total Credits Required for Graduation	25



College Partnership Programs

East Lyme High School, in partnership with other schools and colleges, offers students the opportunity to earn college credits by taking high school courses. Details about courses that are part of partnership programs will be made available by the classroom teacher where appropriate. Potential partnership programs include ;UConn Early College Experience (ECE) , College Career Pathway (CCP) program with Three Rivers Community College, the Three Rivers High School Partnership Program, and the New London Scholars Program (Connecticut College).

University of Connecticut- Early College Experience

UConn Early College Experience (ECE) provides academically motivated students the opportunity to take university courses while still in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and financial head start toward a college degree. UConn ECE instructors are high school teachers, certified as adjunct professors by the University. UConn ECE faculty fosters independent learning, creativity and critical thinking – all important for success in college. East Lyme High School offers UConn ECE courses in English, Family & Consumer Sciences and Math. To support rigorous learning, University of Connecticut academics resources, including library and online classroom access, are available to all UConn ECE students.

UConn ECE students must successfully complete the course with a grade of C or better in order to receive university credit. University credits are transferable to many colleges and universities. Students are charged registered course credit plus a resource fee. For additional program information visit: www.ece.uconn.edu.

College Career Pathway (CCP) This partnership with Three Rivers Community College allows East Lyme Students in grades 9-12 the opportunity to earn college credit while ebrolled in courses at the high school

Three Rivers High School Partnership Program Currently availble for eligible high school juniors and seniors who wish to study subjects not offered in high school

New London Scholars Program (Connecticut College) Nominated seniors may enroll at Connecticut College in an entry level academic course upon completion students can obtain a college transcript from Connecticut College at no cost.

Advanced Placement Program

East Lyme High School is proud to participate in the CollegeBoard’s Advanced Placement (AP) Program, a program that offers students the opportunity to complete college-level studies during high school. The primary goals of the AP program are to strengthen the secondary experience of students who are ready for college-level work and to provide administrative support for granting credit or placement to those students in their freshman year of college.



East Lyme High School encourages students to challenge their expectations in all academic areas. Advanced Placement courses are a tangible way for students to meet their higher educational goals. Advanced Placement courses are student self-selected. While teachers will recommend students for these courses, the final decision remains with students and their parents provided the student has passed prerequisites for the course. A non-recommended course requires an override form.

The CollegeBoard maintains that the full experience includes the AP exam in each course. To meet that standard, East Lyme High School will award AP credit only to students completing the course and the AP exam. The cost of the exam is the student's responsibility. A contract outlining the AP policy and costs, signed by the student and parent, will be sent home in the fall

Students should expect summer readings prior to the start of an AP course. East Lyme High School believes that the level of commitment to AP demands a tremendous amount of work from students. In order to keep the best interests of the students' paramount, it is the usual policy that students should not take more than three AP courses in one academic year, with a max of four AP courses. For more than four AP courses in one year, principal permission is required. It should also be noted that the AP program benefits extend far beyond the direct outcomes of the primary goals. In giving students an opportunity to experience the academic rigors of college, AP inspires confidence, a sense of responsibility and self-reliance, and provides an academic bridge to ease the transition from secondary school to college. During the 2017-2018 school year, the following Advanced Placement courses were offered:

Language & Composition	U.S. History	Psychology	
Literature & Composition	Environmental Science	Physics 1 & 2	Studio Art
French	Adv. Biology	Spanish	Calculus AB/BC
American Government	Adv. Music Theory	Adv. Chemistry	Statistics
AP Mobile Computer Science			

Students who drop an AP course will not be allowed to take the AP exam in that subject area. A revised copy of the grade 12 transcript and accompanying letter will be sent to their prospective colleges. Dropping the class after October 1 may result in a WF. Waiving the WF requires teacher and administrative approval; the schedule change form (see last page) must be completed and signed.

Career and Technical Education Clusters

The mission of Career and Technical Education (CTE) in Connecticut is to provide educational opportunities for all students for academic and skill attainment and career development, as life-long learners, leading to postsecondary education and/or employment in a dynamic, technological, and global economy. Connecticut has adopted the National Career Clusters® Framework and all 16 approved Career Clusters, largely used as an organizing framework, in particular for its programs of study. If a student is interested in one of the below careers, the electives listed would be advantageous to add to his or her schedule.

Agriculture, Food & Natural Resources

Careers focused on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.

Elective Options

- Baking & Pastry
- Culinary I, II
- Catering & Hospitality
- AP Environmental Science
- Environmental Studies
- Astronomy
- Anthropology
- WISE

Architecture & Construction

Careers in designing, planning, managing, building and maintaining the built environment.

Elective Options

- Designing You and Your Space
- CAD I, II

Architectural Drafting I, II

- Furniture/Advanced Furniture
- Pre-Engineering
- Engineering
- Construction/Advanced Construction
- WISE

Arts - Visual

Designing, producing, exhibiting, visual arts.

Elective Options

- Intro to Art & Design
- Drawing I, II
- Designing You and Your Space
- Painting I, II
- Crafts
- Ceramics & Pottery I, II, III
- Sculpture
- Fashion World
- Image Graphics
- AP Studio Art
- Studio Art Honors
- Art History
- Art Co-op
- Digital Photo
- WISE

Arts - Performing

Designing, producing, exhibiting, performing, writing, and publishing performing arts.

Elective Options

- Band
- Orchestra
- Digital Piano
- Music Tech
- Chorus

- Choir
- Music Composition
- Music Theory • AP Music
- 20th Century Music
- Theater
- Music Co-op
- WISE

Audio/Visual & Communications

Designing, producing, exhibiting, performing, writing, and publishing multimedia content.

Elective Options

- Animation
- Yearbook
- Digital Film I, II, III
- TV News
- Digital Photo
- Creative Writing I, II
- Journalism I, II, III, IV
- Film 101, II
- Image Graphics
- Speech
- WISE

Business Management & Administration

Careers in planning, organizing, directing and evaluating business functions.

Elective Options

- Accounting I, II
- Personal Finance
- Business Management
- Entrepreneurship
- Economics
- WISE

Education & Training

Planning, managing and providing education and training services, and related learning support services.

Elective Options

- Special Needs Aide
- Sociology
- Psychology
- AP Psychology
- Peer Coaching
- WISE
- Birth-Three Playgroup
- Pre-School Lab
- Pre-Kindergarten Lab
- Human Development Honors
- WISE

- Contemporary Issues I, II
- Sociology
- AP Government
- Human Rights & Wrongs
- Issues of the Day
- AP World History

Health Science

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Elective Options

- Physics
- Biotechnology
- Anatomy & Physiology
- Psychology
- AP Psychology
- WISE

Hospitality & Tourism

The management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Elective Options

- Baking & Pastry
- Culinary I, II
- Catering & Hospitality
- Global languages
- WISE

Human Services

Preparing individuals for employment in career pathways that relate to families and human needs.

Elective Options

- Birth-Three Playgroup
- Pre-School Lab
- Pre-Kindergarten Lab
- Child Development Lab Aide
- Human Development Honors
- Peer Coaching
- Community Service Internship
- Special Needs Aide
- Anthropology
- Sociology
- Psychology
- AP Psychology
- Senior Academy
- WISE
- Art Co-op
- Music Co-op

Information Technology

Careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Elective Options

- Web Design
- Exploring Computer Science
- AP Mobile Computer Science
- AP Computer Science – JAVA
- World of Technology
- WISE

Law, Public Safety & Security

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Elective Options

- It's the Law I, II
- Community Service Internship
- Forensics
- Contemporary Issues I, II
- Sociology
- AP Government
- Human Rights & Wrongs
- Issues of the Day
- WISE

Manufacturing

Planning, managing and performing the processing of materials into products and related professional and technical support activities.

Elective Options

- Clothing Construction I, II
- Fashion World
- Economics
- CAD I, II
- Introduction to Graphic Design
- Advanced Graphics
- WISE

Marketing, Sales, & Service

Planning, managing and performing marketing activities to reach organizational objectives.

Elective Options

- Creative Writing I, II
- 3-D Design
- Intro to Graphic Design
- Advanced Graphics
- Digital Photo
- Image Graphics
- Web Design
- Fashion World
- Animation
- World of Technology
- WISE

Science, Technology, Engineering, & Math (STEM)

Planning, managing and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Elective Options

- Physics
- Math
- Physical Science
- Marine Bio
- Science in the 21st Century
- Astronomy
- Biotech
- CAD I, II
- Pre-Engineering
- Engineering
- WISE

Transportation, Distribution, & Logistics

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Elective Options

- Transportation Technology
- WISE

East Lyme Career Concentrations

Career Concentrations at East Lyme High School allow students who are interested in a particular career path to receive a certificate of accomplishment for successfully completing courses that help prepare them for a related career field.

Why Career Concentrations?

- ~ Learn more about an area to see if you like it!
- ~ Build your resume and help potential employers or admissions reps understand the depth of your interest.
- ~ Be better prepared to enter a career!
- ~ Be better prepared for courses at a tech school or college!

Program Requirements

Each concentration has a minimum credit requirement that consists of both required courses and elective courses.

Students must:

- o Take the correct sequence of courses as outlined below.
- o Earn a 'C' or better in each concentration class.
- o Apply for certification at the end of junior year.

2018-2019 Career Concentrations include:

Arts – 4 credits must be completed

Concentration: Performing Arts

- Required courses: 3 years of one performance ensemble area (band, orchestra, or chorus)
- One additional credit from the following electives: Music Theory, AP Music Theory, Digital Piano, Guitar I, Guitar II, Music Tech, Theater, Speech, Concentration-related WISE project

Concentration: Visual Arts

- Required: 2D Art I, 2D Art II, Illustration, and Ceramics I OR Introduction to Graphics OR Image Graphics.
- Two additional credits from the following electives: Crafts I, Crafts II, Ceramics II, Art Co-Op, Advanced Art & Portfolio Development, AP Studio Art, Introduction to Graphics, Image Graphics, Advanced Graphics, Concentration-related WISE project

STEM - 4 credits

- Required: 1 credit in Physics or Applied Physics, 1 credit in Algebra II, 1 credit in CAD I/CAD II, Pre-engineering or Engineering
 - One additional credit from the following electives - AP Mobile CSC, Exploring Computer Science, BioTech, World of Tech, CAD I/CAD II, Pre-engineering, Engineering, Concentration-related WISE project
- Hospitality - 3 credits
- Required: Culinary, Culinary II, Catering & Hospitality, Baking & Pastry
 - One additional credit from the following electives: Accounting, Economics, Entrepreneurship, speech, culinary aide, cluster-related WISE project
- Manufacturing - 4 credits
- Required: CAD I, Furniture, Pre-Engineering, Algebra II
-
- One and half additional credits from the following electives: CAD II, 3D Design, Transportation Technology, Exploring Computer Science, Engineering, Concentration-related WISE project

Communications – 3 credits

Concentration: Print/Digital Communication

- Required: Journalism I, Creative Writing, Intro to Graphics, Speech
- One additional credit from the following electives: Yearbook, Journalism II, II, IV, Image Graphics, Digital Photo, web design, animation graphics, Creative Writing II, Advanced Graphics, Concentration-related WISE project

Concentration: Broadcasting

- Required: Digital Film I, Digital Film II, TV Broadcast News, Speech
 - An additional half credit from the following electives: Animation Graphics, Digital Film III, Theater, Concentration-related WISE project
- Education – 3 credits
- Required: Birth – 3, Pre-School, Pre-K, Human Development
 - An additional half credit from the following electives: Psychology, Sociology, Preschool Aide, Pre-K Aide, B-3 Aide, Speech, ADPE Special Needs Aide, Music Co-op, Art Co-op, Food Co-op, Concentration-related WISE project

All WISE projects will require the approval of the instructor to be credited toward the concentration.



School Counseling

Course Selection and Scheduling Students are given course registration info during second semester and should meet with teachers to determine recommended courses for the following year. Students are required to meet with their counselor. Subjects are then scheduled according to the spaces available and the times the courses are offered.

Schedules will be made available over the summer. To make schedule changes before school starts, an appointment can be made by calling the Counseling Office at 739-6946 x 5580 or by emailing your school counselor.

- Schedule changes will only be allowed during the add/drop period, which is the first six school days of each semester. New classes will not be added after this time.
 - Level changes require the permission of the teacher.
 - Schedule changes based on instructor or time preference are not permitted.
 - Withdrawals or level changes requested after the add/drop period will require the completion of a Schedule Change Form (see last page) which requires teacher, parent, and student signatures.
 - Students who drop a class after October 1/March 1 for second semester classes will receive a WF (Withdraw Failing) on their record. Waiving the WF requires teacher and administrative approval.
 - Transcripts will be re-sent to colleges whenever a change is made to a senior's schedule.
 - All students in grades 9-11 must maintain 6.5 credits and students in grade 12 must maintain 6.0 credits. A class drop will not be allowed if it causes the student to go below the minimum required credits.
- *A W/F (Withdraw Failing) carries the same consequence as a failing grade for academic GPA and athletic eligibility.**



General Course Selection Timeline

October

ELHS representatives visit ELMS 8th grade

February

8th Grade Parent Night
Program of Studies available

March

Teachers input course recommendations into Infinite Campus
High School Counselors go to Middle Schools to pick electives
High School Counselors go meet with High School students to pick electives

April

Course selections mailed home

Summer Break

Schedules made available online



Independent Studies, Aides, Classroom Assistants

Students who wish to enroll in an Independent Study course or receive credit for any class not listed in the Program of Studies must complete an Independent Study Request Form signed by the student, his/her parent/guardian, the overseeing teacher, the department CIL and the student's counselor. The form must be submitted to the Principal for approval and will not be added to a student's schedule until that is completed. Independent Study classes, aides, assistants will be graded P/F unless otherwise approved by the principal.

Home Schooling

Students who have been home schooled and wish to enroll at East Lyme High School must present their previous plan of study (approved by the local area superintendent) and portfolios of all student work to receive credit and for future class placement. The appropriate subject area Curriculum Instructional Leader will review portfolios and assessment tests (ELHS Mid-Term and Final Exams) will be administered when appropriate. Credit will be granted based on work accomplished and mastery demonstrated. Appropriate placement will be made based on these assessments and other relevant factors such as a student's age and prior educational history. Grades will not be assigned for any home schooling experiences.

Homebound Tutoring

Students who are absent from school for an extended period of time (in excess of ten school days) may be eligible for homebound tutoring with appropriate medical documentation. This service is available at no cost to the parents or students provided they meet the following specific requirements: authorized medical note and Student Study Team (SST) and principal's approval. Long-term homebound tutoring is reviewed on a case by case basis in an SST or PPT meeting.

Parental Overrides

If a parent and student choose to appeal the recommendation of a teacher for level placement in a particular course, they must follow the outlined procedure:

- Turn in an override form with all necessary signatures by the date that all schedule requests are due.
- Override forms received after the assigned date will be considered on an individual basis after the master schedule is developed, depending on class sections and size.
- If a student/parent overrides a class against a faculty recommendation, parents and students understand that a future level change may not be possible as outlined on the Course Override Contract.

No student can have more than TWO parent overrides per academic year.

Transfer Students

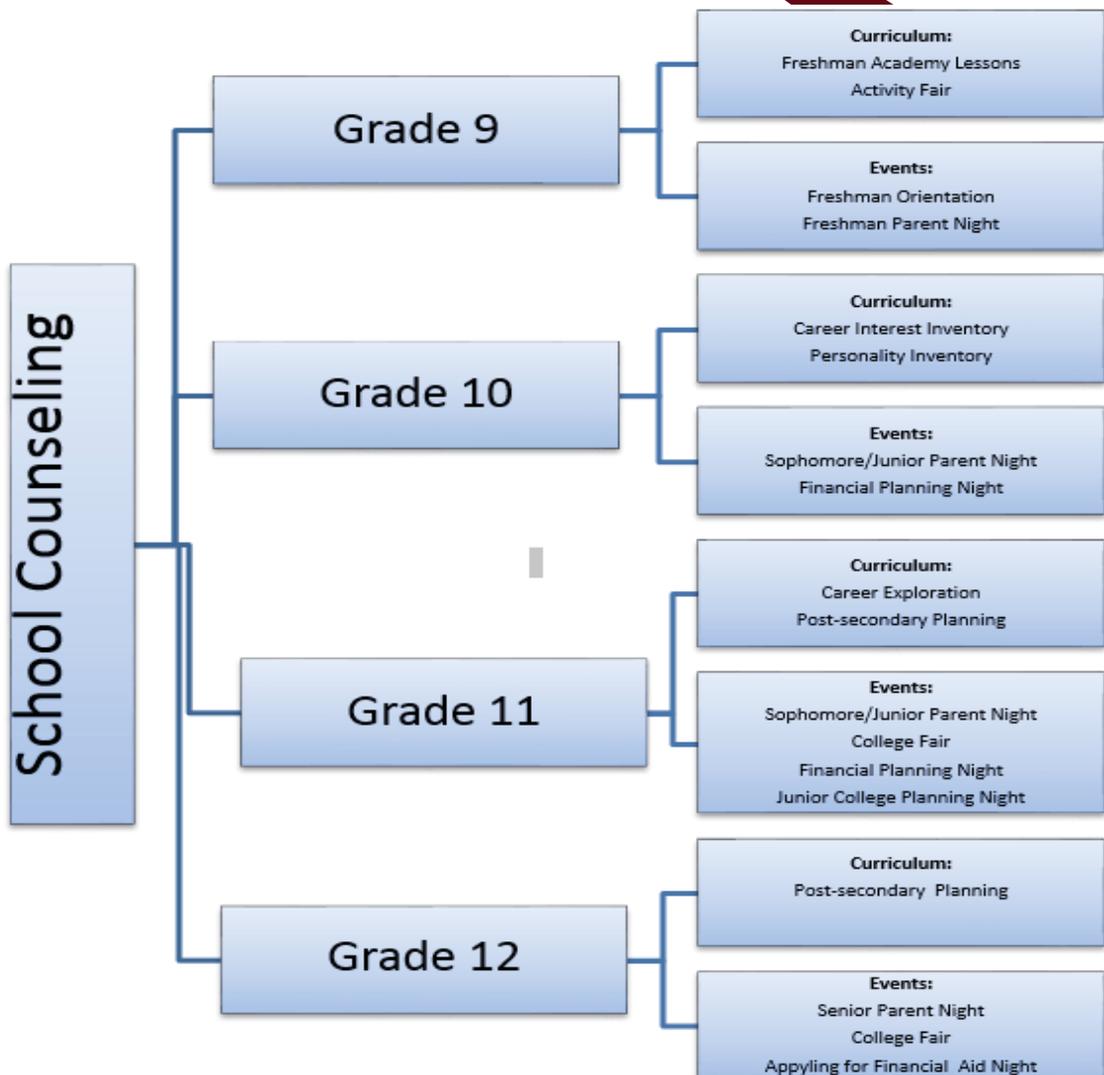
Transfer students from other school systems will receive full credit for required courses only if the completed work is comparable to East Lyme High School requirements. Credits for elective courses will be reviewed on an individual basis. No credit will be given for religion/theology courses.

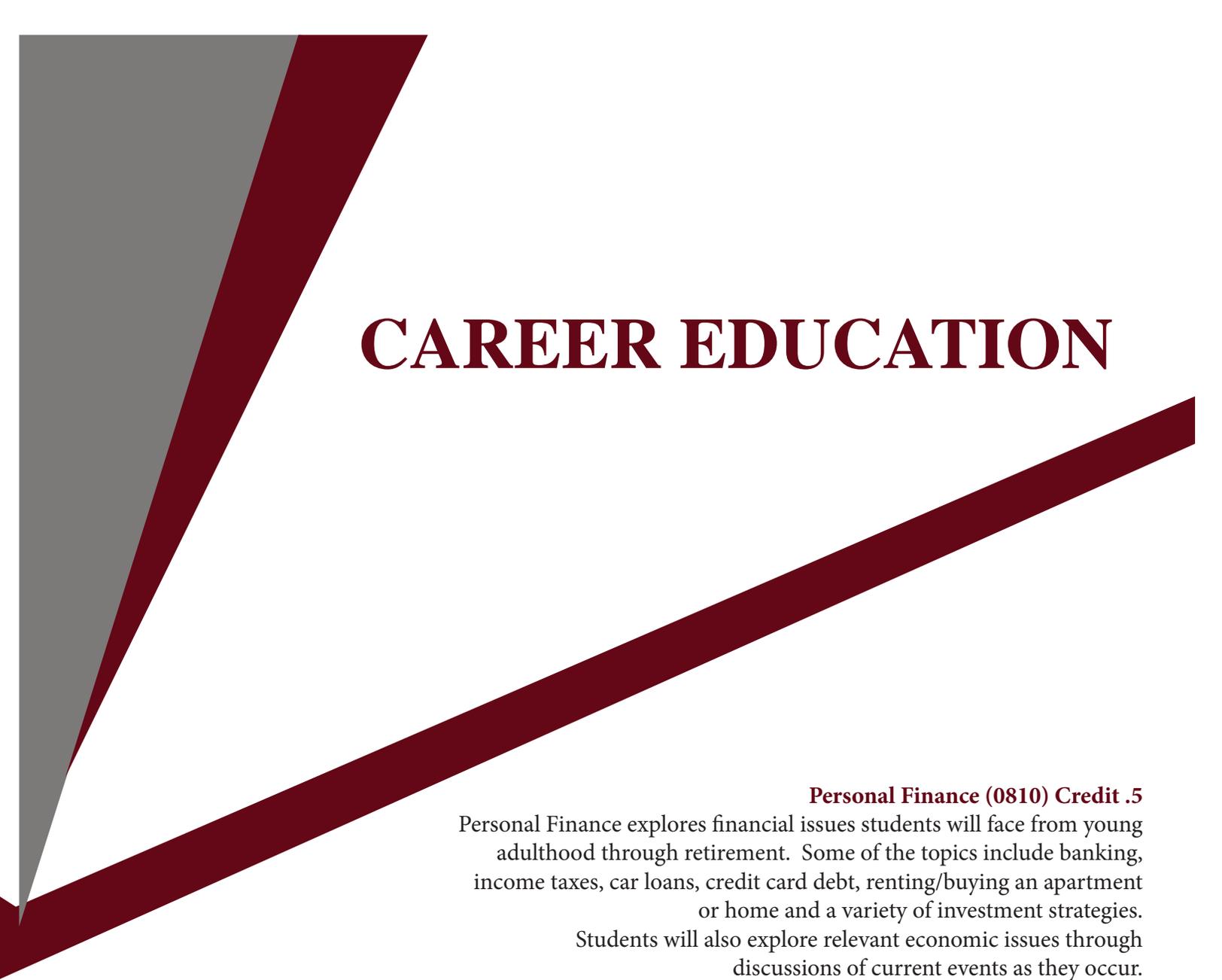
School Counseling

The ELHS School Counseling program is modeled after the Connecticut Comprehensive School Counseling Program which focuses on academic, career, and personal/social success of the individual students. (<https://cscs.wildapricot.org/>)

Individual Counseling: Students can make appointments with counselors in A200 before and after school, during lunch and between classes. Appointments must be scheduled for study hall or lunch. Students must not miss class to see counselors except in emergency cases.

Curriculum and Events





CAREER EDUCATION

Personal Finance (0810) Credit .5

Personal Finance explores financial issues students will face from young adulthood through retirement. Some of the topics include banking, income taxes, car loans, credit card debt, renting/buying an apartment or home and a variety of investment strategies. Students will also explore relevant economic issues through discussions of current events as they occur.

Accounting I (0800) Credit 1.0

Accounting I introduces the principles of accounting and computerized accounting software which simulates the software used in today's businesses. Students will study the accounting cycle for several types of businesses including sole proprietorships, partnerships and corporations. This course prepares students for an entry level accounting clerk position and a first year college accounting course.

Students in grades 10, 11 and 12 may take this course for mathematics credit with permission.

Accounting II (0801) Credit 1.0

Accounting II explores how accounting principles are applied in larger businesses. This course focuses on real world corporate accounting, financial/accounting analysis and learning computerized accounting software. Students will be prepared for a bookkeeping position and an Accounting II course at the college level.

Prerequisite: Accounting I and consent of instructor.



Business Management (0806) Credit .5

Business Management explores concepts of business ownership, different types of businesses, entrepreneurship, management theories and marketing. Students will learn how to create a business plan, how the free enterprise system works and the risks and benefits of business ownership. Projects will include writing marketing and business plans.

Business Management (0805) Credit 1.0

Business Management introduces students to concepts of business ownership, different types of businesses, entrepreneurship, management theories and marketing. Students will learn how to create a business plan, how the free enterprise system works and the risks and benefits of business ownership. Projects will include writing marketing and business plans.

It's the Law I (0807) Credit .5

It's the Law I is a survey of basic principles of law. Students will learn how our legal system functions. Citizens' legal rights, privileges and duties under the U.S. Constitution will be studied. Students will examine contemporary laws and their rights and responsibilities as minors, and be provided with an introduction to fundamental civil and criminal justice procedures.

It's the Law II (0808) Credit .5

It's the Law II explores the individual as he/she encounters law in his/her personal, family and occupational life. Students will study contemporary legal and civic issues such as cyber-crime, identity theft, intellectual property rights, criminal law, civil law and consumer law. This course focuses on legal principles, rights and responsibilities to empower students to be effective citizens in our community.

ENGLISH

Students are required to earn 1 credit of English each year for a total of 4 credits.

Grade 9 - One of the following courses is REQUIRED:

- English 9A or English 9B

Grade 10 - One of the following courses is REQUIRED:

- English 10 Honors, English 10A, or English 10B

In addition to the required course, sophomores may take any of the following electives after meeting the prerequisite:

- Creative Writing I
- Creative Writing II (second semester only after successfully completing Creative Writing I)
- Speech Communication
- Journalism I (first semester only)
- Journalism II (prerequisite: successful completion of Journalism I)
- Theater Appreciation I

Grade 11 - One of the following courses is REQUIRED:

- Advanced Placement English 11, American Humanities (double blocked with History), English 11A, or English 11B

In addition to the required course, juniors may take any of the following electives after meeting the prerequisite:

- Creative Writing I
- Creative Writing II (prerequisite: successful completion of Creative Writing I)
- Film Studies I
- Film Studies II (prerequisite: successful completion of Film Studies I)
- Speech Communication
- Journalism I (first semester only)
- Journalism II (prerequisite: successful completion of Journalism I)
- Print Journalism IIIH (prerequisite: successful completion of Journalism I and II)
- Digital Journalism IIIH (prerequisite: successful completion of Journalism I and II)
- Theater Appreciation I

Grade 12 - One of the following courses is REQUIRED:

- Advanced Placement English 12, English 12Honors/UCONN ECE, English 12A or English 12B

In addition to the required course, seniors may take any of the following electives after meeting the prerequisite:

- Creative Writing I
- Creative Writing II (prerequisite: successful completion of Creative Writing I)
- Film Studies I
- Film Studies II (prerequisite: successful completion of Film Studies I)
- Speech Communication
- Journalism I (first semester only)
- Journalism II (prerequisite: successful completion of Journalism I)
- Print Journalism IIIH (prerequisite: successful completion of Journalism I and II)
- Digital Journalism IIIH (prerequisite: successful completion of Journalism I and II)
- Print Journalism IVH (prerequisite: successful completion of Print Journalism IIIH)
- Digital Journalism IVH (prerequisite: successful completion of Digital Journalism IIIH)
- Theater Appreciation I



English 9B (0002) Credit 1.0

This course develops students' critical reading, writing, presenting and research skills. Core texts create a common literary experience. Through these texts, students will explore the overarching essential question: What does it mean to be an adult? Students write for a variety of purposes and audiences with particular emphasis on formal essays. Selection of materials, pace, level of independence and manner of presentation differ according to level.

English 9A (0001) Credit 1.0

This course develops students' critical reading, writing, presenting and research skills. Core texts create a common literary experience. Through these texts, students will explore the overarching essential question: What does it mean to be an adult? Students write for a variety of purposes and audiences with particular emphasis on formal essays. Selection of materials, pace, level of independence and manner of presentation differ according to level.

English 10B (0006) Credit 1.0

This course develops students' critical reading and analytical writing skills. Students create original interpretations, support those insights with textual evidence and refine language skills while composing literary analyses and a major research paper. Core texts create a common literary experience. Through these texts, students will explore the overarching essential question: How do you figure out who you are? Selection of materials, pace, level of independence and manner of presentation differ according to level.

English 10A (0005) Credit 1.0

This course develops students' critical reading and analytical writing skills. Students create original interpretations, support those insights with textual evidence and refine language skills while composing literary analyses and a major research paper. Core texts create a common literary experience. Through these texts, students will explore the overarching essential question: How do you figure out who you are? Selection of materials, pace, level of independence and manner of presentation differ according to level.



English 10 Honors (0004) Credit 1.0

This course develops students' critical reading, writing, presenting and research skills. As students engage with a range of American literature, they learn how to make and support original interpretations. In addition to literary analyses, students craft a variety of other written pieces and projects that emphasize sophisticated analysis and evaluation. Culminating assignments include timed analytical essays, talks and the creation of a self-guided year-long research project. The transition to the honors level involves readiness for increases in the frequency of assignments and the degree of independence required. **Students must complete a course-specific summer reading assignment.**

English 11B (0012) Credit 1.0

This course enhances students' communication skills, language choices and the rhetoric of style as they write, present and analyze. Through the examination of core texts, students consider the diversity of values and their own place in a global society. Students will explore the overarching essential question: What power do you have in the world and how do you use it? Selection of materials, pace, level of independence and manner of presentation differ according to level.

English 11A (0011) Credit 1.0

This course enhances students' communication skills, language choices and the rhetoric of style as they write, present and analyze. Through the examination of core texts, students consider the diversity of values and their own place in a global society. Students will explore the overarching essential question: What power do you have in the world and how do you use it? Selection of materials, pace, level of independence and manner of presentation differ according to level.

American Humanities English (0010) Credit 1.0

This course is a full-year double-blocked course taught by both a Social Studies teacher and an English teacher. Using aspects of history, literature, high and popular culture, and personal experiences, students will trace the development of the American identity through the late nineteenth and twentieth centuries. Key topics include, but are not limited to, America's changing worldview and role in world affairs, the changing national and personal views of America and Americans, the expectations and myths surrounding America, and a consideration of the American Dream. In short, we will attempt to define "America" and "Americans," in terms of a global view, as well as the views of the individuals who reside in America. This is a project based course in which students will participate in experiential learning that motivates them to become informed, active and responsible citizens.

AP English 11 (0009) Credit 1.0

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. Students will engage in the close reading and critical analysis of poetry, novels and plays from various cultures and time periods to deepen their understanding of the ways writers use language to provide both meaning and pleasure. Writing assignments include expository, analytical and argumentative essays that require students to analyze and interpret literary works. Students are expected to complete a summer assignment, do considerable independent reading, and take the required AP exam. AP test fee paid by student.

English 12B (0017) Credit 1.0

This course concentrates on language with attention to purpose and audience as students analyze the writing of others, present their own findings, and write to persuade. Readings explore the moral implications of human behaviors as students begin to answer the overarching essential question: How do your decisions impact your world? Selected materials, pace, level of independence and manner of presentation differ according to level.

English 12A (0016) Credit 1.0

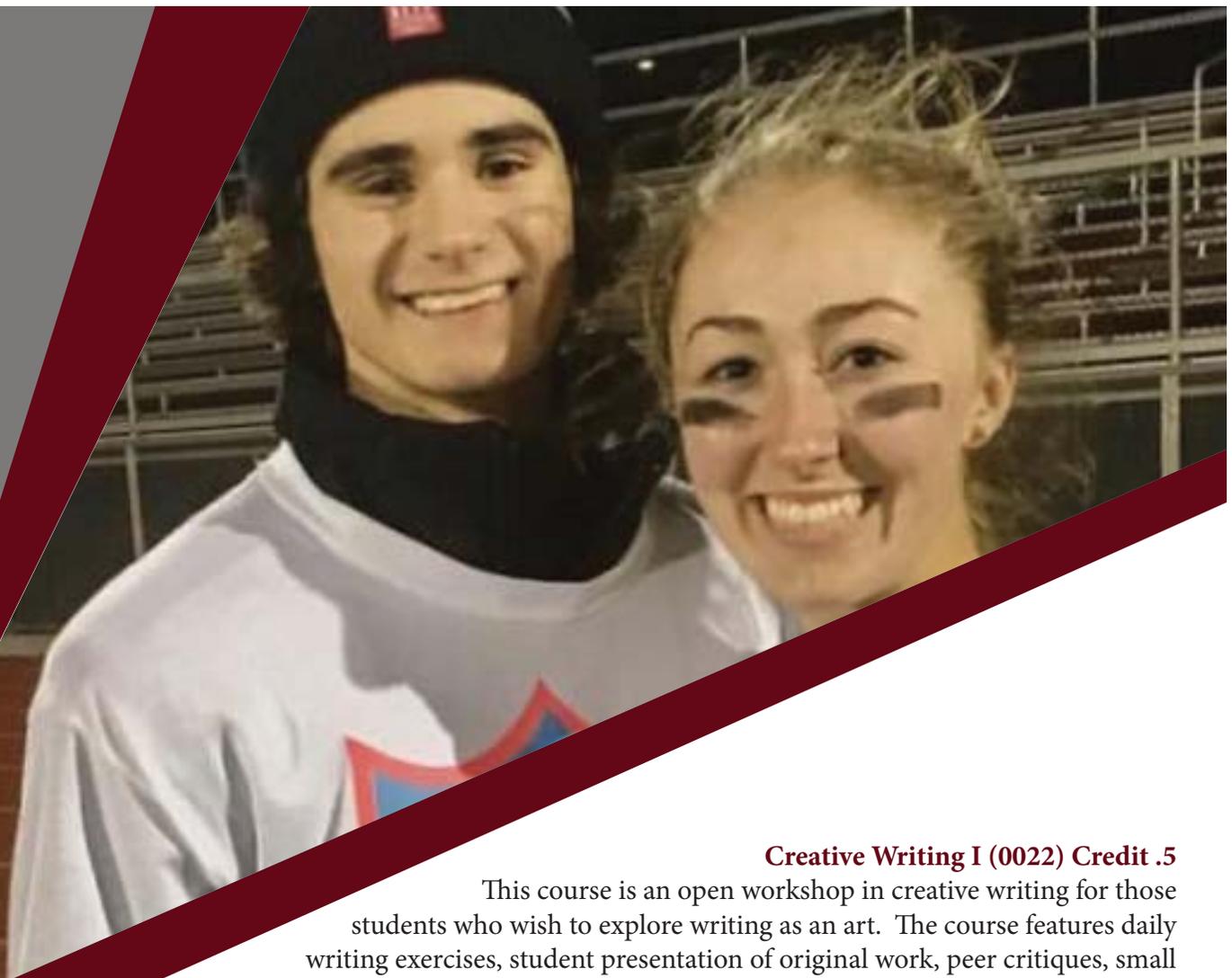
This course concentrates on language with attention to purpose and audience as students analyze the writing of others, present their own findings and write to persuade. Readings explore the moral implications of human behaviors as students begin to answer the overarching essential question: How do your decisions impact your world? Selected materials, pace, level of independence and manner of presentation differ according to level.

English 12 Honors / UCONN ECE (Early College Experience) (0015) Credit 1.0

This course is a rigorous, college-level writing course that requires active reading, in-depth analysis of text, academic inquiry, and extensive writing, most often in a workshop atmosphere. The course cycles around four main components: rereading, rewriting, revision, and reflection. Students will participate in peer revision sessions as well as writing conferences with the instructor. Topics explored include: education, feminism, power, language and culture barriers, identity, and individuality. Upon completion of this course, students will receive four credits from the University of Connecticut. Guidelines for acceptance into the course are set by UCONN: Students must maintain a C average to receive UConn credit. Class is capped at 20. Application fee required for UConn credit.

AP English 12 (0014) Credit 1.0

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize and cite research to support their arguments. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts. Students are expected to complete a summer assignment and take the required AP exam. AP test fee paid by student.



Creative Writing I (0022) Credit .5

This course is an open workshop in creative writing for those students who wish to explore writing as an art. The course features daily writing exercises, student presentation of original work, peer critiques, small group and class discussions, cooperative games and small group workshops.

Students design and evaluate their own assignments, and when possible explore interdepartmental projects. Reflection is a significant part of the course. Students will examine and imitate the writing style of an author of their choice. Open for 9-12th Grade

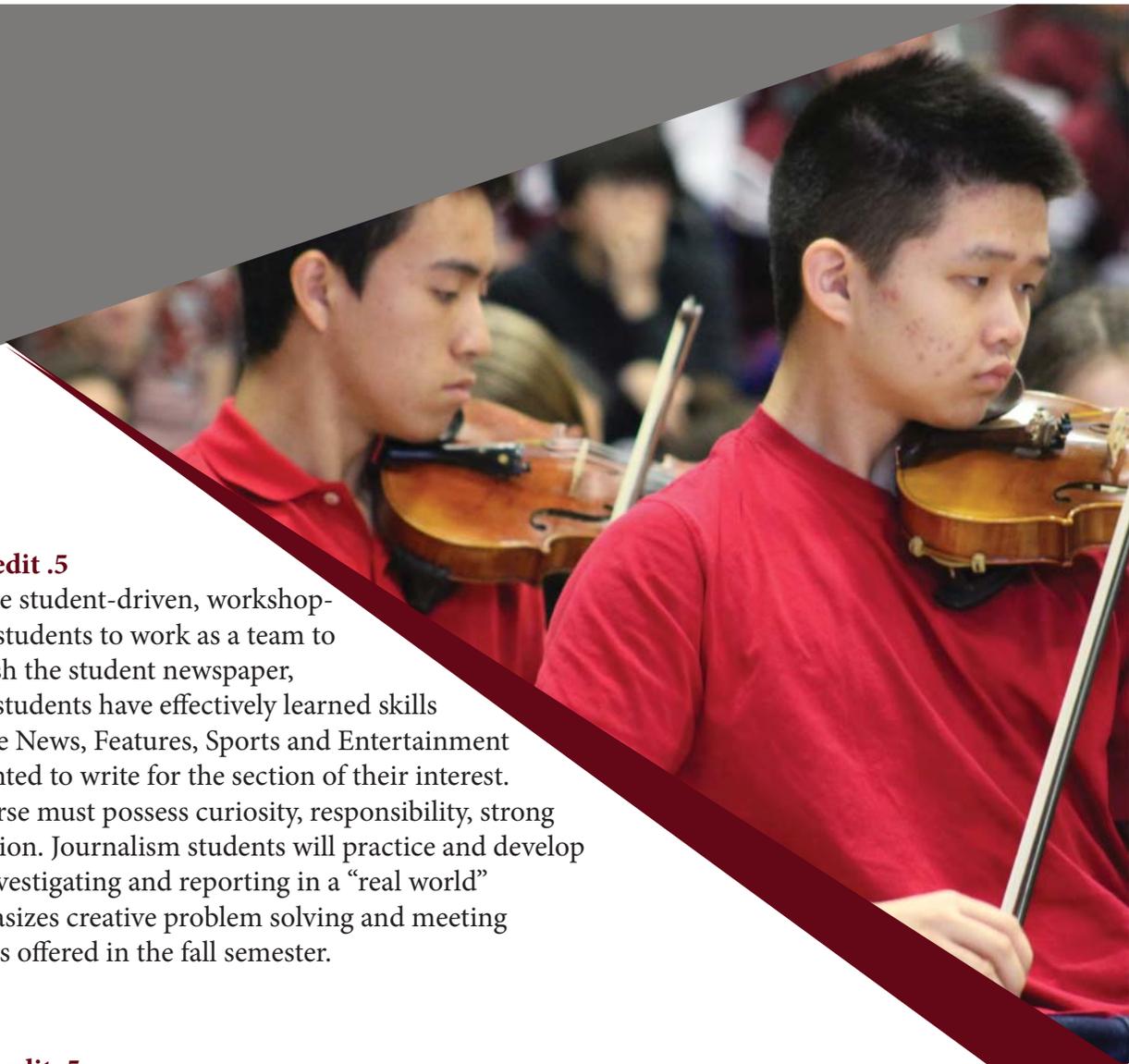
Creative Writing II (0023) Credit .5

This course is an open workshop in creative writing for those students who, after successfully completing Creative Writing I, wish to continue their exploration of writing as an art. The course features student presentation of original work, peer critiques, small group and class discussion, cooperative games and small group workshops. Students will work on a balance of specific assignments and strategies to improve writing and will explore a variety of writing styles and techniques. Students will select projects in which they will pursue their own interests and will explore interschool projects when possible. Reflection is a vital component of the course. Students will continue to create and foster a writers' community at East Lyme High School.

Recommendation by the Creative Writing I teacher is required.

Speech Communication (0030) Credit .5

The speech communication course will focus on interpersonal communication, which will not only emphasize the speaker and his speech, but will encompass the listener and his feedback. The class is activity oriented using role-playing projects, nonverbal strategies and listening techniques to expand students' speech writing skills for future application in presentations, job and college admission interviews, and the media.



Journalism I (0024) Credit .5

All Journalism classes are student-driven, workshop-based opportunities for students to work as a team to create, design and publish the student newspaper, The Viking Saga. Once students have effectively learned skills specific to writing for the News, Features, Sports and Entertainment sections, freedom is granted to write for the section of their interest. Students taking this course must possess curiosity, responsibility, strong work ethic and cooperation. Journalism students will practice and develop skills of interviewing, investigating and reporting in a “real world” environment that emphasizes creative problem solving and meeting deadlines. Journalism I is offered in the fall semester.

Journalism II (0025) Credit .5

All Journalism classes are student-driven, workshop-based opportunities for students to work as a team to create, design and publish the student newspaper, The Viking Saga. Once students have effectively learned skills specific to writing for the News, Features, Sports and Entertainment sections, freedom is granted to write for the section of their interest. Students taking this course must possess curiosity, responsibility, strong work ethic and cooperation. Journalism students will practice and develop skills of interviewing, investigating and reporting in a “real world” environment that emphasizes creative problem solving and meeting deadlines.

Journalism II is offered in the spring semester to all students who have successfully completed Journalism I.

Print Journalism III Honors (0026) Credit .5

Print Journalism III and IV Honors are full-year courses where students work as a team of advanced writers and editorial staff to create the print version of the student newspaper. The team is led by experienced student editors-in-chief and they work together to create the student newspaper, The Viking Saga. The process includes determining the stories that will be assigned, written and printed; designing the layout for each section; editing and revising content; and publishing the print version. Students work with the instructor as a team in all phases of editorial and staff decision making for the publication.

Journalism I and II are prerequisites for Print Journalism III and IV Honors.

Print Journalism IV Honors (0027) Credit .5

Print Journalism III and IV Honors are full-year courses where students work as a team of advanced writers and editorial staff to create the print version of the student newspaper. The team is led by experienced student editors-in-chief, and they work together to create the student newspaper, The Viking Saga. The process includes determining the stories that will be assigned, written and printed; designing the layout for each section; editing and revising content; and publishing the print version student newspaper. Students work with the instructor as a team in all phases of editorial and staff decision making for the publication.

Journalism I and II are prerequisites for Print Journalism III and IV Honors.

Digital Journalism III Honors (0038) Credit 1.0

Digital Journalism III and IV are full-year courses where students work as a team to create, update and maintain the student newspaper website. The digital class provides student leadership opportunity and emphasizes a similar process as the Print Journalism class, however, for an online medium. The product is the on-line version of student news, vikingsaga.net., with an emphasis on blogging and social media.

Journalism I and II are prerequisites for Digital Journalism III and IV.

Digital Journalism IV Honors (0039) Credit 1.0

Digital Journalism III and IV are full-year courses where students work as a team to create, update and maintain the student newspaper website. The digital class provides student leadership opportunity and emphasizes a similar process as the Print Journalism class, however, for an online medium. The product is the on-line version of student news, vikingsaga.net, with an emphasis on blogging and social media.

Journalism I and II are prerequisites for Digital Journalism III and IV.

Film Studies I (0032) Credit .5

This course is an introduction to the study of film and filmmaking. Students will learn to “read” a film by applying the language of filmmaking, while analyzing the progression of various genres. Students will also examine the craft of influential directors and actors. They will have the opportunity to research, view, discuss and write about a variety of films. Grades 11/12: Grade 12 students are given priority; no level.

Film Studies II (0033) Credit .5

This course is the continued study of film and filmmaking while students explore additional genres of film, with an emphasis on filmmaker’s intent and purpose. Students will continue to analyze and critique the content and meaning of films as well as the cinematic and photographic effects they employ, but in a detailed and in-depth manner. They will have the opportunity to research, view, discuss and write about a variety of films.

Prerequisite: Successful completion of Film Studies I. Grades 11/12: Grade 12 students are given priority; no level.

Theater Appreciation I (0298) Credit .5

This course teaches the major facets of theater, developing a dictionary of stagecraft terms. The workshop technique will be used to investigate and perform pantomime, the comic and dramatic monologue, clowning, stage fighting, impromptu theater games, and exercises. Workshops, which will research all aspects of stagecraft, will focus on stage make-up, set design, and set models.



FAMILY/ CONSUMER SCIENCE

Culinary Arts I (0820) Credit .5

This is an introductory course in food preparation and nutrition. Students will learn the proper use and care of large and small kitchen appliances, food safety and sanitation, and food preparation terms and techniques. Units covered include cookies, eggs, quick breads, yeast breads, soups, casseroles, pies and pastry, and international cuisine. Students who complete Culinary I will develop the culinary skills needed to lead an independent, healthy lifestyle.
Prerequisite: Gr. 10–12

Culinary Arts II (0821) Credit .5

Culinary Arts II is an extension of Culinary Arts I. Students will build on the foundations from Culinary Arts I through units including: fruits and vegetables, meats and poultry, grains, pastas, sandwiches, herbs and spices, and salads. In addition, students will review safety/sanitation, knife skills and event planning. Students will work toward building skills required to work in a professional kitchen.
Prerequisite: Culinary I with a C+ or better

Advanced Culinary - Catering & Hospitality (0823) Credit .5

This hands-on course is designed for students who have taken at least one credit in Culinary Arts and are interested in developing advanced skills and knowledge in the food service industry. Students will learn basics of mass food preparation, menu planning, plate presentation and garnishing, leadership and management, and event planning. Students will cater school and community events as a component of the course.
Prerequisite: 1 credit in Culinary Arts or teacher approval.



Baking & Pastry Arts (0822) Credit .5

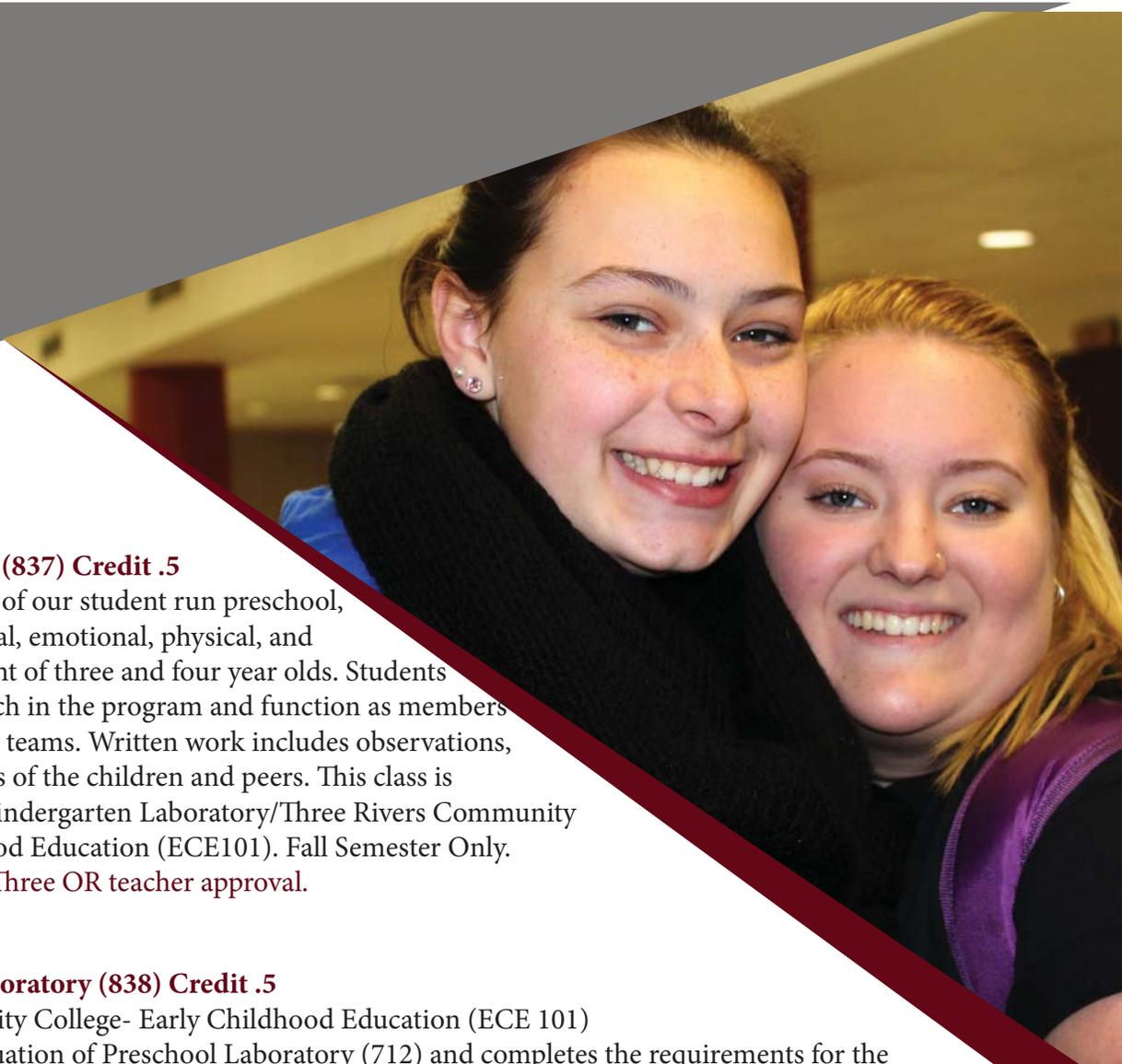
This course provides an introduction to the functions of baking ingredients including flour, sugar, fat, eggs and liquids. Students will be introduced to methods and equipment used in a commercial bakeshop. Units include bakery measuring techniques, preparation of a variety of yeast breads, cake variations, cake decorating, cookies, pastry techniques and plated desserts. Students will be introduced to methods of mass production and will evaluate the quality of items which they produce. **Prerequisite: Gr. 11 & 12.**

Food Co-Op (0825) Credit .5

Working on individual and group projects in the kitchen, students have the opportunity to work cooperatively in a peer-coaching context. Special needs students are paired with peer coaches to develop basic life and work skills related to foods and nutrition. Students will learn how to measure, mix, and follow basic recipes and practice proper cleaning and sanitation in the kitchen. Students will also practice daily independent living skills such as meal planning, nutrition, groceries and budgeting and laundry. Field trips in the community will take place during class time and play an important role in developing life skills. Coaches should be Gr 10–12 only.

Birth to Three Playgroup (0836) Credit .5

The operation of a weekly playgroup for very young children and their parents will be the focus of this introductory child development course. Characteristics of the very young child (birth-3 years) and his/her developmental needs will be studied. Students will have experiences interacting with children and developing activities for the playgroup participants.



Preschool Laboratory (837) Credit .5

Through the operation of our student run preschool, students study the social, emotional, physical, and intellectual development of three and four year olds. Students develop all lessons, teach in the program and function as members of cooperative learning teams. Written work includes observations, journaling, assessments of the children and peers. This class is pre-requisite for Pre-Kindergarten Laboratory/Three Rivers Community College-Early Childhood Education (ECE101). Fall Semester Only.

Prerequisite: Birth-to-Three OR teacher approval.

Pre-Kindergarten Laboratory (838) Credit .5

Three Rivers Community College- Early Childhood Education (ECE 101)

This course is a continuation of Preschool Laboratory (712) and completes the requirements for the Three Rivers Community College CCP credit. Students plan and teach in our student-run preschool program for children ages three to five. Through observations and projects, students will gain a deeper understanding of the pre-kindergarten child. Students will learn what it is like to work in a variety of early childhood setting.

Prerequisite: Birth to Three Playgroup, Preschool Laboratory or teacher approval. Gr. 10–12 only.

Child Development Laboratory Aide (0840) Credit .5

This course is a continuation of one of the three child development labs offered and is designed for students who have completed the requirements of Birth-to-Three Playgroup, Preschool Lab or Pre-Kindergarten Lab and who want to continue to work in the laboratory. Classroom clerical assistance is required.

Prerequisite: Teacher approval. Pass/ Fail grade

Human Development ECE (Early College Experience) (0845) Credit 1.0

This course is designed as an introduction to the field of Human Development and Family Science. This course will provide students with an understanding of individual and family development over the life span. Community based internship experiences will be required and will include many community and school related facilities and organizations. Students will have the opportunity to apply for UConn college credit in the UConn Early College Experience Program. This hands-on, laboratory class is strongly recommended for those students interested in pursuing a career in the fields of Elementary or Secondary Education, Early Childhood Education, Psychology or Allied Health (medical or nursing professions). Guidelines for acceptance into the course are set by UConn: Students must maintain a C average to receive UConn credit. Application fee required for UConn credit.

Prerequisite: Gr 11&12 - FCS teacher or counselor recommendation (Student transportation required.)



Designing You and Your Space (0834) Credit .5

This hands-on, design course will focus on the elements & principles of design. Students will explore how the elements and principles relate to one's personal style in relation to body proportion as well as living space. This class will include room design projects using computer design programs, wardrobe analysis and choices, and other creative personal projects. Open to all grades.

Clothing Construction I (0830) Credit .5

This course acquaints students with sewing techniques beginning at their present level. Completion of a minimum of two sewing projects is required. Clothing projects include one pattern project and one patchwork and/or recycle project. This is largely a lab course with few homework assignments.

Clothing Construction II (0831) Credit .5

This course is an opportunity to use sewing and clothing construction techniques as art forms. Students' projects will be based on the individual student's interests and abilities. Any advanced sewing techniques will be encouraged but are not necessary to have success in this course. Students will demonstrate their skills with projects using the sewing machine and/or using a hands-on and creative approach to making fabric and textile products. Prior approval by the instructor is required.

Fashion World (0835) Credit .5

This course is for the student who has an interest in exploring fashion design and the related industry. Students will learn the role of fashion in society, basic fashion illustration, industry careers, marketing and merchandising, garment types, textiles, and design and color theory. Students learn about the design field through the creation of original garment designs, fabric designs, ¼ scale pattern making (through computer assisted design software) and a final portfolio exhibiting an original line of clothing or accessories. Additional course components may include field trips, guest speakers and hands-on fashion labs.



Entrepreneurship: Passion to Profit (0846) Credit .5

This course provides students with the resource management skills needed to turn an idea into a product or service. Taught through learning activities such as community partnerships, guest speakers, internship opportunities and field trips, students will explore themes of entrepreneurship as they develop skills in problem solving, communication, organization and leadership. Students will focus on the sequential process of creating a small business, from analyzing consumer demands to managing the product or service.

Capstone - WISE (0843) Credit .5

WISE is an independent study program available to juniors and seniors. Students have the opportunity to apply their knowledge and skills in an area of personal interest under the guidance of a faculty or administrative mentor. Students may choose to focus individual projects on career exploration, community service or a topic of their choice. Course components include research, mentoring, journaling, portfolio development and a capstone exhibition of their learning. Opportunities for internships and job shadowing are encouraged.

Community Service Internship (0842) Credit .5

Students will learn about service opportunities that involve the community or the region. Social concerns such as hunger, the elderly, poverty, housing and education will be explored. Student projects will be integrated with classroom experiences and seminar discussions. Supplemental readings, research, oral reports, journals and summary projects that may involve responsibility and time outside the school day may be required.

Because of transportation responsibilities, this class is strongly recommended for students in grades 11/12.

Senior Academy (0844) Credit .5

This seminar class is for seniors transitioning to the next phase of life whether planning on attending college, enlisting in the military or entering the world of work. Interpersonal relationship issues, career planning, personal development, independent living skills, financial realities, gender issues, decision making and stress reduction are examples of topics that will be explored through this course.



HEALTH/ PHYSICAL EDUCATION

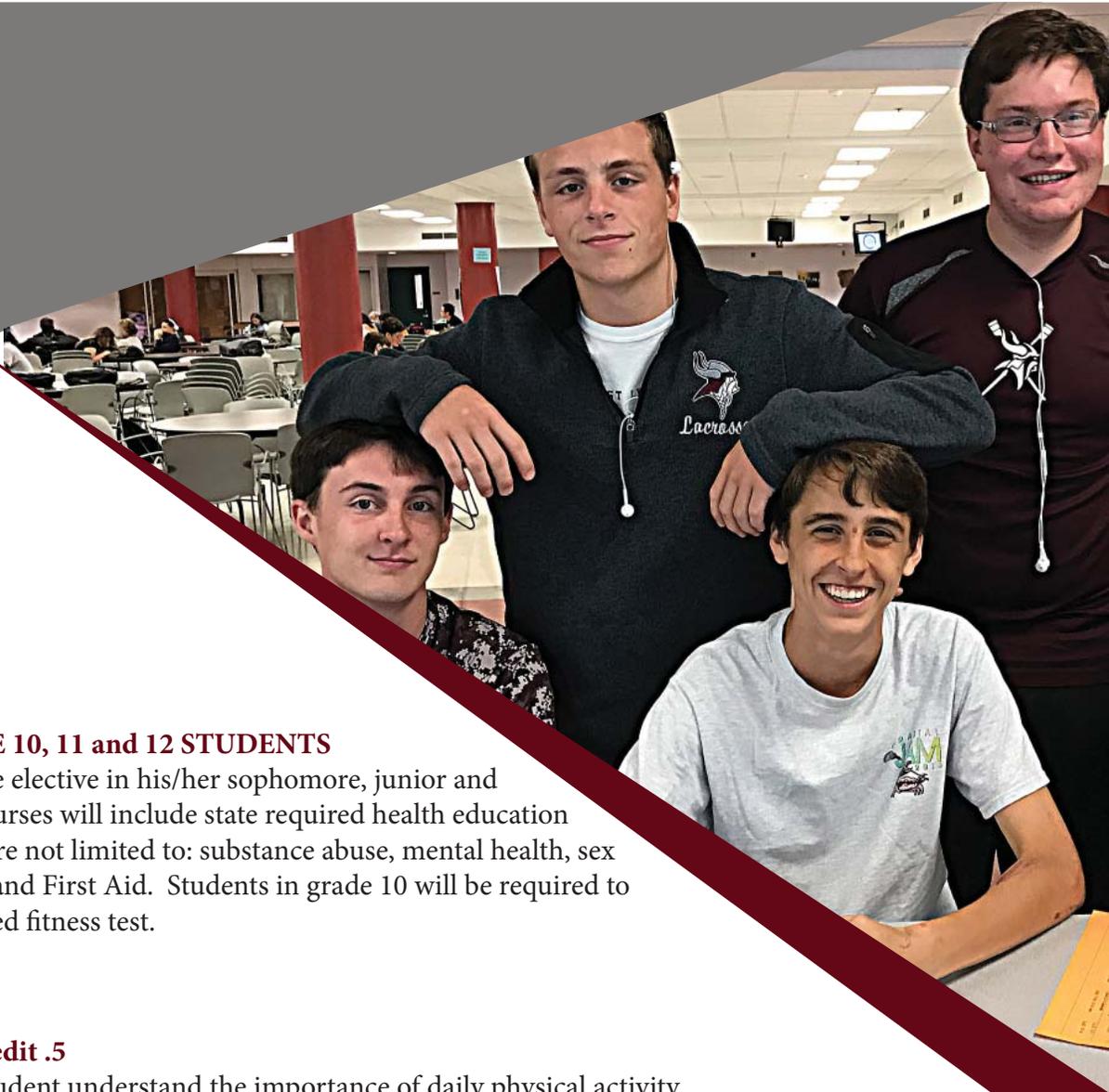
Freshman Academy/Health I (0401)(0402)(0403) Credit .5

(Course number depends on last name; see Course Selection Sheet)

This semester course is part of a comprehensive health and balanced living education program. Freshman Academy is designed to provide a transition for students from the middle school and to help motivate them to voluntarily take an active role in developing positive life-style goals. These goals serve to promote and enhance lifelong wellness. Freshman Academy will be implemented through the use of guest speakers, lectures, tests, research projects, discussions, audio-visuals, group activities and oral presentations. Topics will include but are not limited to AIDS, personal health, substance abuse, sexual harassment, family life education, mental and emotional health, career planning, test taking and conflict resolution.

Freshman Physical Education (0404) Credit .5

This semester course is part of a comprehensive health and balanced living education program. Freshman P.E. will provide the students with the opportunity to develop skills and knowledge in individual activities and team sports as well as physical fitness training. This course may include but is not limited to the following activities: Fitness Center, basic water safety and CPR, tennis, softball, volleyball, ultimate Frisbee, flag football, basketball, hockey, badminton and cooperative games. Students in Grade 9 will be required to complete the State mandated fitness test. A fee may



ELECTIVES FOR GRADE 10, 11 and 12 STUDENTS

Each student must take one elective in his/her sophomore, junior and senior year. All elective courses will include state required health education units. Topics include but are not limited to: substance abuse, mental health, sex education, nutrition, CPR and First Aid. Students in grade 10 will be required to complete the State mandated fitness test.

Conditioning I (0410) Credit .5

This course will help the student understand the importance of daily physical activity. The student will learn specific training principles using the Selectorize equipment and free weights. In addition, the student will develop a personalized training routine pertaining to personal goals or specific sport activities.

Conditioning II (0411) Credit .5

This more advanced course will be offered for students who have had Conditioning I. The student will learn and understand the involvement of anatomy, physiology, and kinesiology pertaining to his/her personalized training routines. The student will be able to properly evaluate his/her training programs and make the necessary changes to reach personal goals. **Prerequisite: Conditioning I.**

Early Bird Physical Education (0423) Credit .5

This course meets before school from 6:30 to 7:15 Monday through Thursday. Students will learn specific training principles using the Selectorize equipment and free weights. In addition, the student will develop a personalized training routine pertaining to personal goals or specific sport activities. This course is designed to provide the student with more flexibility in his/herschedule while also fulfilling the PE graduation requirement.



Lifetime Fitness I (0415) Credit .5

This class will be geared towards lifetime physical activities that promote physical and mental wellness. This course may include but is not limited to the following activities: ZUMBA, tennis, water aerobics, yoga, Pilates, bowling, body sculpting, step aerobics, dance, badminton, hiking, self-defense, golf, circuit training, weight room training, TRX, spinning and paddle boarding. A fee may be required for optional field trips. This course also requires extra time outside of the regular scheduled block, usually during lunch.

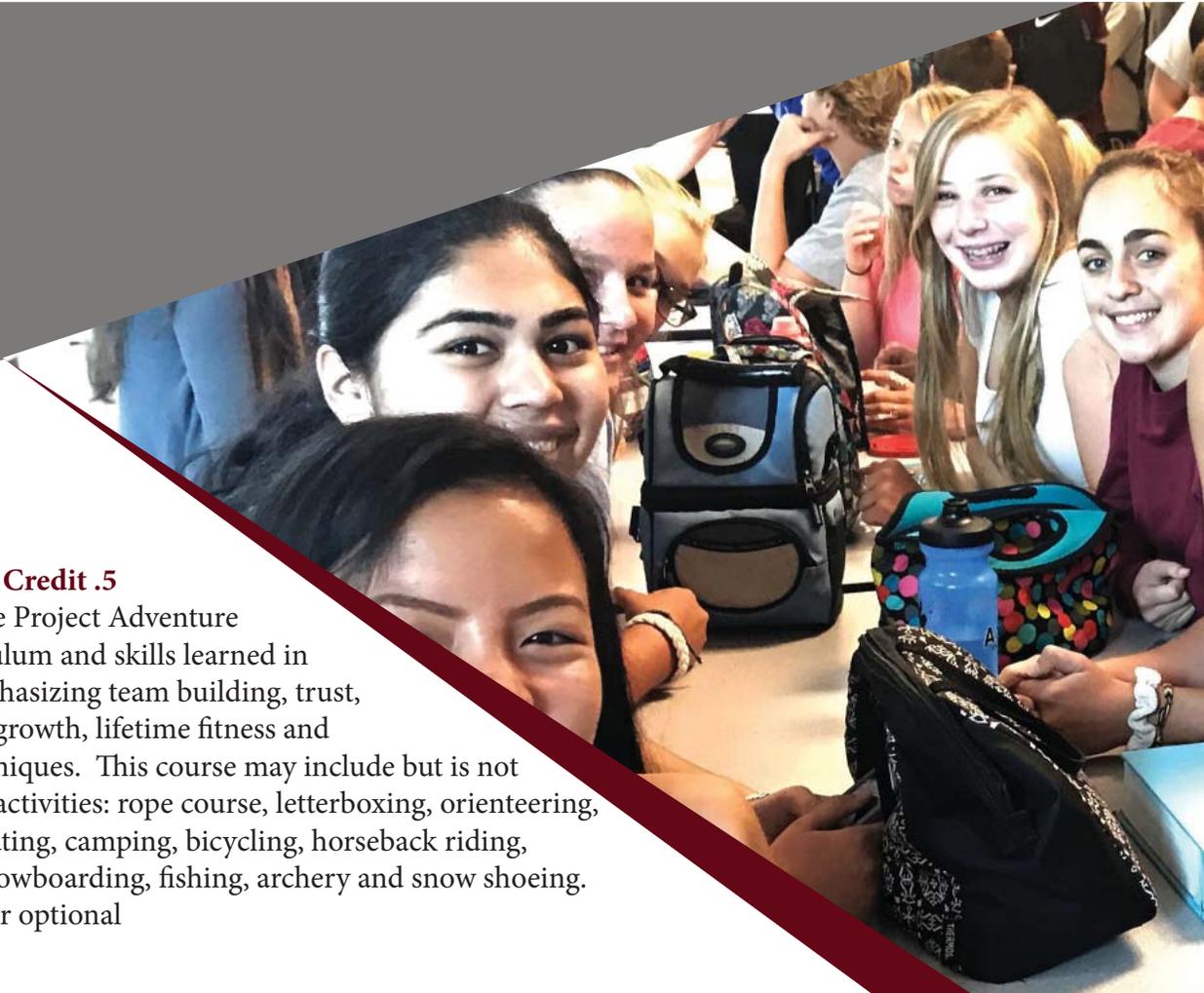
Lifetime Fitness II (0416) Credit .5

Students are provided the opportunity to continue to develop skills and knowledge in individual and small group activities that can be performed throughout a lifetime. This course may include but is not limited to the following activities: climbing elements, nutrition, body image, mental health, ZUMBA, tennis, water aerobics, yoga, Pilates, bowling, body sculpting, step aerobics, dance, badminton, hiking, self-defense, golf, circuit training, weight room training, TRX, spinning and paddle boarding. A fee may be required for optional field trips. This course also requires extra time outside of the regular scheduled block, usually during lunch.

Prerequisite: Lifetime Fitness I

Adventure PE I (0421) Credit .5

This outdoor class is based upon the Project Adventure (ROPES Course) curriculum, emphasizing team building, trust, cooperation, individual growth and lifetime fitness. This course may include but is not limited to the following activities: rope course, letterboxing, orienteering, hiking, kayaking, ice-skating, camping, bicycling, archery, rock climbing and skiing/snowboarding. A fee may be required for optional field trips. At times students will need to provide their own transportation to and from the optional field trips. This course also requires extra time outside of the regular scheduled block, usually during lunch.



Adventure PE II (0422) Credit .5

This course builds on the Project Adventure (ROPES Course) curriculum and skills learned in Outdoor Pursuits I, emphasizing team building, trust, cooperation, individual growth, lifetime fitness and wilderness survival techniques. This course may include but is not limited to the following activities: rope course, letterboxing, orienteering, hiking, kayaking, ice-skating, camping, bicycling, horseback riding, rock climbing, skiing/snowboarding, fishing, archery and snow shoeing. A fee may be required for optional

Team Sports (0425) Credit .5

This course is designed for students who are interested in participating in a variety of activities that require teamwork and cooperation. Units offered consist of basketball, football, softball, floor hockey, water polo, soccer and volleyball. A fee may be required for optional field trips.

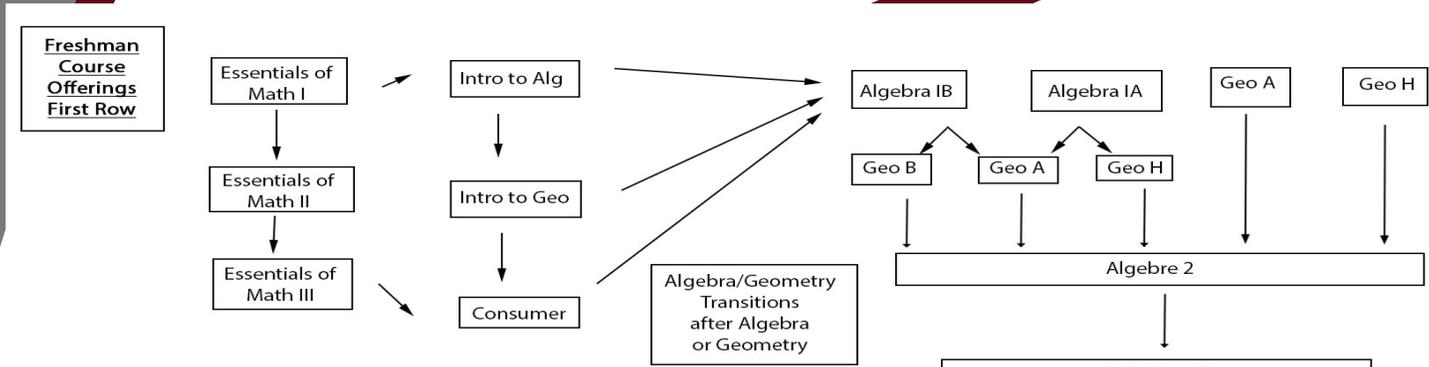
Adaptive Physical Education (0431) Credit .5

This course provides students with the opportunity to develop skills and knowledge in individual activities and team sports. Activities may include ropes courses, basketball, soccer, handball, swimming, dance, fitness center, yoga, flag football, softball, hiking and cooperative activities. A written component is required.

Special Needs Aide (0430) Credit .5

This course provides students with the opportunity to work directly with students who have special needs. Leadership skills, providing encouragement and support during physical education classes are emphasized. Activities may include ropes courses, basketball, soccer, handball, swimming, dance, fitness center, yoga, Zumba, flag football, softball, hiking and cooperative activities. A written component is required. A fee may be required for optional field trips. **Prerequisite: Permission of Instructor.**

MATHEMATICS



Freshman course offerings are in first row

They are:
Essentials I, Intro to Algebra, Algebra IB,
Algebra 1A, Geometry A, or Geometry H

Specific course recommendations are
determined by current math teacher annually.
This is a GENERAL GUIDELINE at ELHS.



Essentials Of Math I (0514) Credit 1.0

This is an individualized program to develop and improve fundamental arithmetic skills. Emphasis is on students mastering the basic skills of recognizing and operating with whole numbers, fractions, decimals and percents. **Prerequisite:** Students may be placed in this course only as a result of a teacher recommendation or a PPT placement.

Essentials Of Math II (0515) Credit 1.0

This course is the second of a three-year sequence. It presents a logical, sequential development of whole numbers, fractions, decimals and percents within the context of practical situations. Each unit presents selected essential arithmetic skills within an everyday application. **Prerequisite:** Essentials of Math I

Essentials Of Math III (0516) Credit 1.0

This is an individualized program for students previously enrolled in the Essentials of Mathematics I and II programs. Students will study appropriate uses for calculators and computers in everyday life, measurement, personal finance and consumer awareness. **Prerequisite:** Essentials of Math II

Introduction To Algebra (0507) Credit 1.0

This course is a fundamental skills review of fractions, decimals, percent, whole numbers and integers. Stress is placed on problem solving and basic algebra skills involving evaluating expressions and solving basic equations with whole numbers and integers. **Prerequisite:** Recommendation of grade 8 teacher and approval of the high school CIL.



Introduction To Geometry (0521) Credit 1.0

This course reviews number sense, statistics, probability and algebraic reasoning. Problem-solving skills are stressed by applying acquired skills to everyday situations. Geometry topics such as congruence, similarity, measurement, area and volume are explored. Prerequisite: Intro to Algebra.

Consumer Math (0517) Credit 1.0

This course investigates what it means to be a wise consumer. It is dedicated to the investigation and application of practical mathematical skills for everyday living. Topics discussed will include income, banking and credit, transportation, housing, taxes, insurance, investments, purchasing and budgeting. Open to juniors and seniors only. Prerequisite: Two credits earned in high school mathematics and teacher recommendation and CIL recommendation.

Algebra I A (0508) Credit 1.0

In this course, the language of algebra is emphasized. Expressing, interpreting, and graphing linear functions, solving linear equations and systems of linear equations, and solving quadratic equations with multiple methods are major content goals. Real-life problems are used to investigate and understand concepts. Prerequisite: Recommendation of grade 8 teacher and/or approval of the high school CIL. Recommended for students with a B or better in Pre-Algebra 2.



Algebra I B (0509) Credit 1.0

In this course, the language of algebra is emphasized. Expressing, interpreting and graphing linear functions as well as solving linear equations and systems of linear equations are major content goals. Real-life problems are used to investigate and understand concepts.

Prerequisite: Recommendation of grade 8 teacher and/or approval of the high school CIL or Intro to Algebra.

Algebra/Geometry Transitions (0520) Credit 1.0

This is a course for students who have taken Algebra I and/or Geometry and need more reinforcement of key topics in Algebra I and/or Geometry prior to taking Algebra II. This course does not replace Algebra IA, Algebra IB, Geometry A or Geometry B. **Prerequisite:** Algebra I

Geometry H (0522) Credit 1.0

This course is a study of plane figures integrated with fundamental properties of geometric figures in three dimensions. An understanding of the deductive method, the need for precision of language, methods of coordinate geometry, and transformations are discussed. The relationships of triangles, similar polygons and circles are developed deductively along with areas of polygons and circles, and areas and volumes of solids. Emphasis is placed on abstract, deductive methods. **Prerequisite:** B or better in Algebra I Grade 8 with the recommendation of the Middle School and the approval of the high school CIL.

Geometry A (0523) Credit 1.0

This course is a study of plane figures integrated with fundamental properties of geometric figures in three dimensions. An understanding of the deductive method, the need for precision of language and methods of coordinate geometry are discussed. The relationships of triangles, similar polygons and circles are developed deductively along with areas of polygons and circles, and areas and volumes of solids.

Prerequisite: C or better in Algebra IA.



Geometry B (0524) Credit 1.0

This course focuses on the key topics that provide a strong foundation in the essentials of geometry. The course includes the use of content specific language, study of plane and solid geometric figures, relationships of triangles, similarity, circles, and surface area and volume. Emphasis is also placed on interpreting and solving real-world applications. **Prerequisite:** Algebra I.

Algebra II H (0510) Credit 1.0

This course is a rigorous continuation of Algebra I and reviews the properties of polynomials and rational expressions together with the solution of linear equations and inequalities in two variables. There is further exploration of quadratics. New concepts emphasize relations and functions, which include algebraic, exponential and logarithmic types. Advanced topics on polynomial and quadratic functions are included.

Prerequisite: B or better in Geometry Honors or teacher recommendation.

Algebra II A (0511) Credit 1.0

This course is a continuation of Algebra I and reviews the properties of polynomials and rational expressions together with the solution of linear equations and inequalities in two variables. There is further exploration of quadratics. New concepts emphasize relations and functions, which include algebraic, exponential and logarithmic types. **Prerequisite:** C or better in Algebra IA and Geometry A.



Algebra II B (0512) Credit 1.0

This course is a continuation of Algebra I. Students work with situations that involve quantities with variables in expressions, equations, inequalities and matrices. Matrices are used to solve linear systems. There is further exploration of quadratics. New concepts include polynomials, exponentials and logarithmic functions.

Prerequisite: Geometry.

Trigonometry H (0530) Credit .5

This course is a rigorous study of trigonometric functions and their graphs. The solutions of triangles, trigonometric proofs, modeling with sinusoids, and vectors are other topics of importance. Trigonometric proofs are stressed. This course requires great skill in algebraic manipulations and makes extensive daily use of the graphing calculators to explore more rigorous concepts. **Prerequisite:** B+ or better in Algebra II H and teacher recommendation.

Trigonometry A (0531) Credit .5

This course investigates trigonometric functions and their graphs. The solutions of triangles, modeling with sinusoidal graphs, and vectors are other topics of importance.

Prerequisite: C or better in Algebra II A, B+ or better in Algebra II B.



Precalculus H (0535) Credit .5

This course offers a solid foundation in linear, quadratic, exponential, logarithmic, polynomial and rational functions. Multiple representations and proofs are explored throughout. Advanced topics include networks, vectors and polar coordinates. This course is an excellent preparation for Calculus and Linear Algebra.

The course requires knowledge of algebraic and trigonometric concepts and manipulation of reasonably complicated equations. **Prerequisite:** B or better in Trigonometry H and B+ or better in Algebra II H.

Precalculus A (0536) Credit .5

This course investigates linear, quadratic, exponential and logarithmic functions along with analysis of polynomial and rational functions. This course provides a solid foundation for Calculus and Linear Algebra.

Prerequisite: C or better in Trigonometry A.

AP Statistics (0540) Credit 1.0

This AP course in Statistics introduces the major concepts and tools for collecting, analyzing and drawing conclusions from data. Four broad conceptual themes are covered: a) Exploring Data: Describing patterns and departures from patterns; b) Sampling and Experimentation: Planning and conducting a study; c) Anticipating Patterns: Exploring random phenomena using probability and simulation; and d) Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college Statistics course. This course requires a TI-83 or TI-84 graphing calculator. To receive AP credit, the student must take the AP test. AP test fee paid by student. **Prerequisite:** Algebra II A.



Probability/Statistics A (0542) Credit .5

This course is intended for students in grade 12. Students apply their algebraic skills to statistical methods. Basic ideas of probability, describing both numerical and categorical data, random variables, binomial and normal distributions, the central limit theorem, and inferential statistics are studied. This course requires a TI-83 or TI-84 graphing calculator.

Prerequisite: Algebra II A.

Applied Statistics (0541) Credit .5

This is a course for students in Grade 12 which explores methods of descriptive statistics, data collection and introductory probability as a foundation to statistical procedures and applications. This course requires a TI-83 or TI-84 graphing calculator. **Prerequisite:** Algebra II or teacher recommendation.

Math Topics (0543) Credit .5

This second semester course for students in Grade 12 explores various topics in contemporary mathematics. Topics include methods of voting, fair division, Euler and Hamilton Circuits, Fibonacci Numbers, the Golden Ratio and fractals.

Foundations Of Calculus Honors (0537) Credit .5

This course is intended for students in grade 12 as a transition to Calculus. The concepts of limits, continuity and differentiability will be introduced in this course. Connections between derivatives and rates of change will be emphasized. The relationship between a function and the first and second derivative will be studied. Applications will include related rates, kinematics and optimization. **Prerequisite:** Pre-Calculus



AP Calculus (0538) Credit 1.0

This course is a college level, first year course in Calculus with emphasis on functions of one variable. The concepts of limits, differentiation and integration are introduced. Applications of both the derivative and the integral will be studied throughout the course. The connection between the derivative and the definite integral will be studied as outlined in The Fundamental Theorem of Calculus. Advanced topics include area under a curve, volume of solids with known cross sections, differential equations and slope fields. This course requires a TI-89 calculator. This course qualifies for advanced placement. To receive AP credit, the student must take the AP exam. AP test fee paid by student. **Prerequisite: B or better in Trigonometry H and Pre-Calculus H or recommendation of the current math instructor.**

AP Calculus BC/ECE (0539) Credit 1.0

This course is a full year, college level course in Calculus designed for those students who have successfully completed AP Calculus (0538) and have passed the Advanced Placement Exam in Mathematics. The topics will include a further investigation of those covered in the AP Calculus (0538) syllabus as well as the additional topics required for the BC Advanced Placement Exam in Mathematics. Advanced topics will include the analysis of planar curves including those given in parametric, polar and vector form, applications of differential equations and advanced techniques of integration. Polynomial approximations to transcendental functions and the convergence or divergence of the resulting series (Taylor or Maclaurin) will conclude the advanced topics. This course qualifies for Advanced Placement. AP Calculus BC/ECE is offered in cooperation with the University of Connecticut for mathematically talented high school students and carries four credit hours per semester from the University of Connecticut pending approval from the University. This course requires a TI-89 calculator. To receive AP credit, student must take the AP exam. AP test fee paid by student. **Prerequisite: A grade of 3 or better on the Advanced Placement exam AP CALCULUS. Eligible for 8 UCONN ECE credits. Students must maintain a C average to receive UCONN credit. Application fee required for UCONN credit.**

MUSIC

Concert Band (0254) Credit 1.0

This band is open to all students. The band will meet all year and will be comprised of students with previous experience on a wind or percussion instrument. Participation carries with it the responsibility of attendance at rehearsals, two after school practices and performances outside of the school day.

Concert Band Honors (0253) Credit 1.0

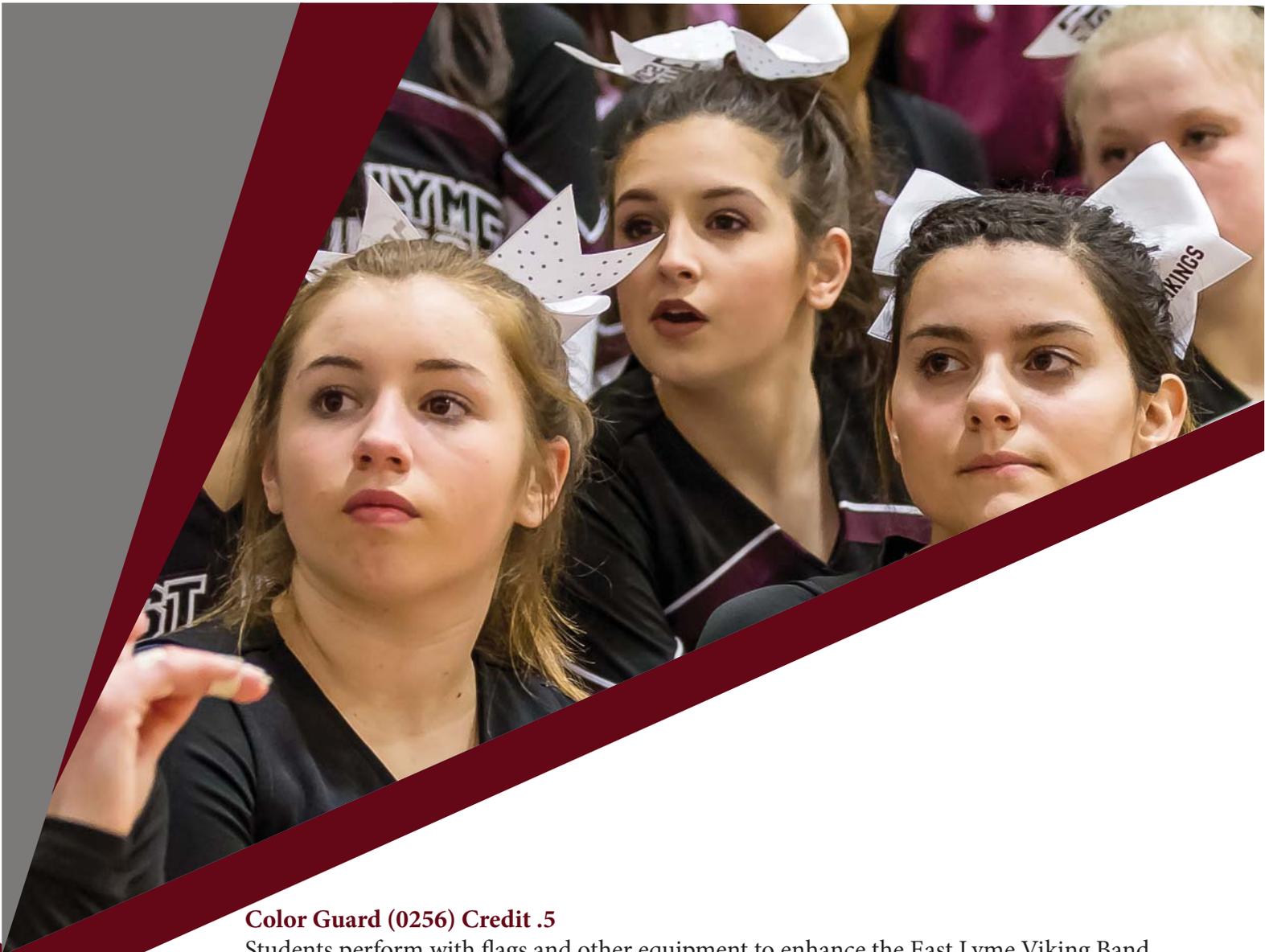
Students enrolled in the honors level will rehearse/perform in the same ensemble as the other Concert Band students, with added responsibilities. These could include festival auditions and participation in other ensembles/music courses. See instructor for details.

Marching/Symphonic Band (0251) Credit 1.0

This band is open to all students who wish to perform and compete on an advanced level outside of the school day. The band will meet all year and will be comprised of students with previous experience on a wind or percussion instrument. The first semester will be devoted to marching band while the second semester will be devoted to indoor symphonic band. Participation carries with it the responsibility of attendance at rehearsals and performances outside of the school day. There is mandatory Band Camp 1 week prior to the start of school.

Marching/Symphonic Band Honors (0250) Credit 1.0

Students enrolled in the honors level will rehearse/perform in the same ensemble as the other Marching/Symphonic Band students, with added responsibilities. These could include festival auditions and participation in other ensembles/music courses. See instructor for details.



Color Guard (0256) Credit .5

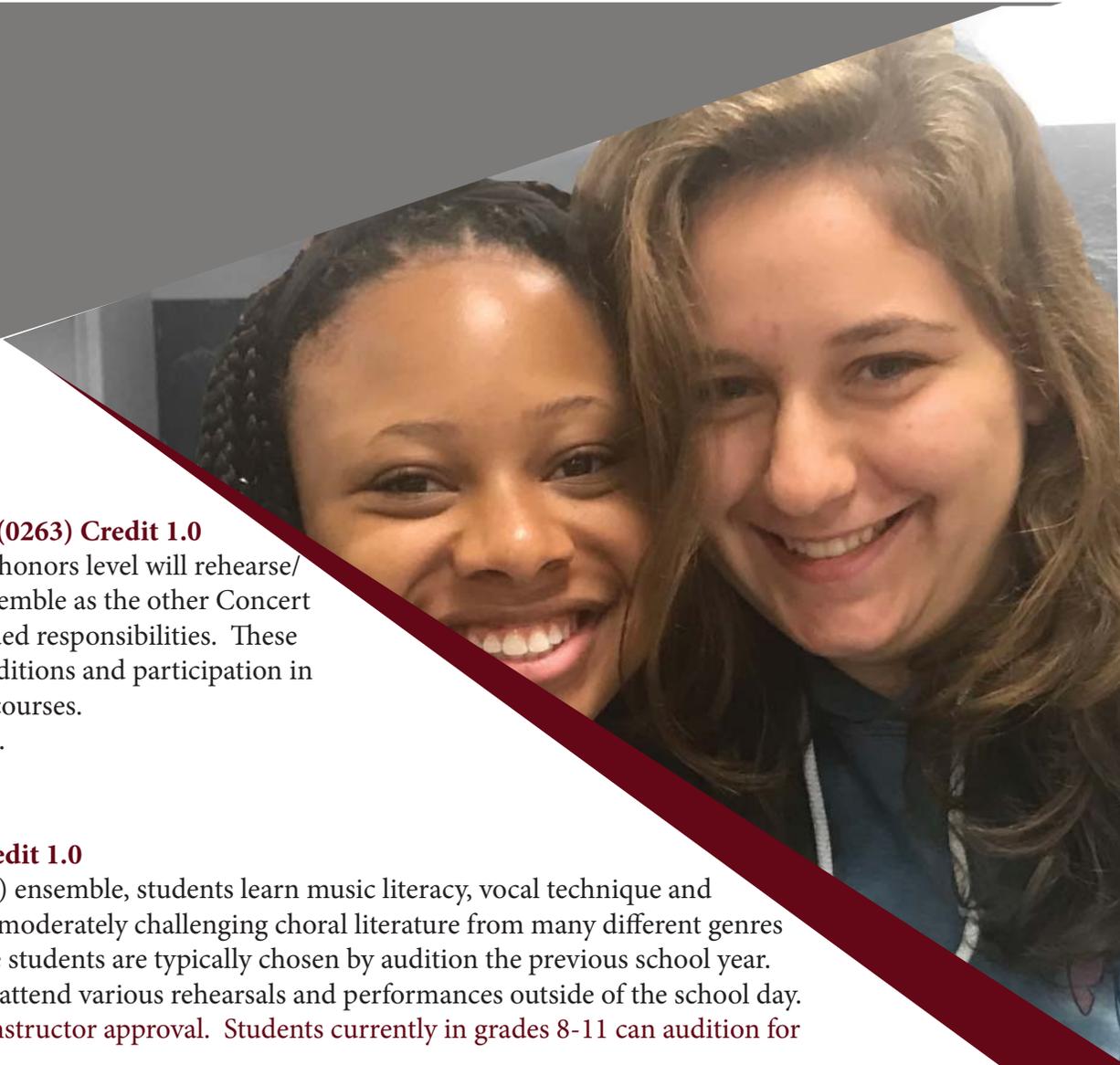
Students perform with flags and other equipment to enhance the East Lyme Viking Band. No musical training necessary. Color Guard meets first semester with the Marching Band class. Participation requires attendance at summer band camp and all related activities.

Mixed Chorus (0260) Credit 1.0

This mixed voice (SATB) ensemble is open to everyone! No previous experience necessary. Students will learn music literacy, vocal technique and ensemble skills through accessible choral literature from many different genres and cultures. Students are required to attend various rehearsals and performances outside of the school day.

Concert Choir (0264) Credit 1.0

In this premiere mixed voice (SATB) ensemble, students learn music literacy, vocal technique and ensemble skills through challenging choral literature from many different genres and cultures. 9-12 grade students are typically chosen by audition the previous school year. Students are required to attend various rehearsals and performances outside of the school day. Prerequisite: Audition/instructor approval. Students currently in grades 8-11 can audition for the following year.



Concert Choir Honors (0263) Credit 1.0

Students enrolled in the honors level will rehearse/perform in the same ensemble as the other Concert Choir students, with added responsibilities. These could include festival auditions and participation in other ensembles/music courses. See instructor for details.

Treble Choir (0266) Credit 1.0

In this select treble (SSA) ensemble, students learn music literacy, vocal technique and ensemble skills through moderately challenging choral literature from many different genres and cultures. 9-12 grade students are typically chosen by audition the previous school year. Students are required to attend various rehearsals and performances outside of the school day. Prerequisite: Audition/instructor approval. Students currently in grades 8-11 can audition for the following year.

Treble Choir Honors (0265) Credit 1.0

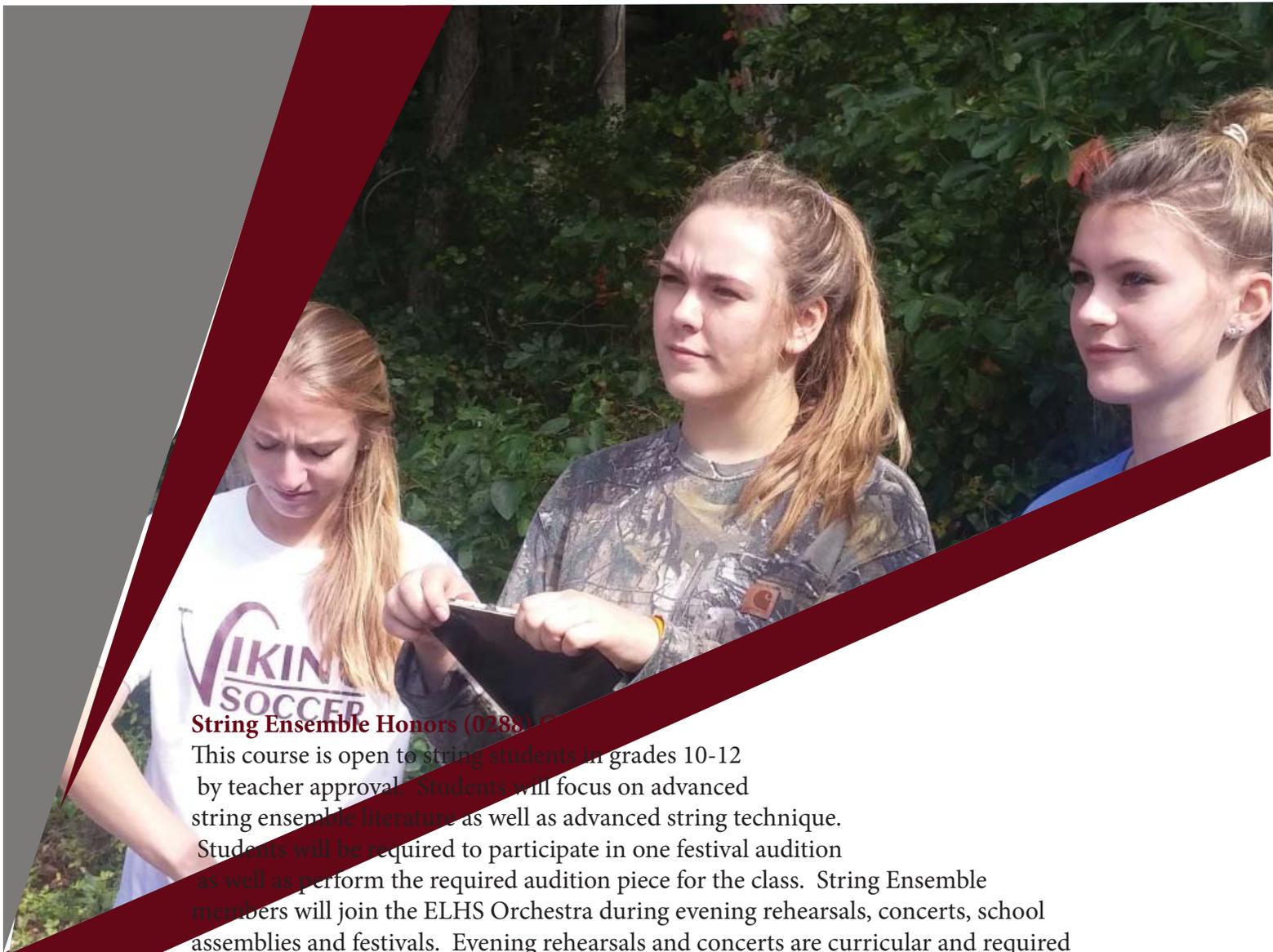
Students enrolled in the honors level will rehearse/perform in the same ensemble as the other Treble Choir students, with added responsibilities. These could include festival auditions and participation in other ensembles/music courses. See instructor for details.

Chamber Singers (0262) Credit .5

This select mixed voice ensemble is drawn from members of the Treble Choir and/or Concert Choir. As part of the course work, first semester students will be required to audition for the Connecticut or New England Music Festival.

Orchestra (0280) Credit 1.0

This course is open to any student who has achieved reasonable proficiency on the violin, viola, cello or bass. Any 10-12th grade woodwind, brass or percussion player will be admitted by audition/teacher approval. This ensemble joins the String Ensemble during evening rehearsals, concerts, school assemblies and festivals. Evening rehearsals and concerts are curricular and required for course credit.

A photograph of three young women standing outdoors in front of green foliage. They are looking at a tablet held by the woman in the middle. The woman on the left is wearing a white t-shirt with 'VIKING SOCCER' printed on it. The woman in the middle is wearing a grey patterned shirt. The woman on the right is wearing a blue shirt. A dark red diagonal graphic element is overlaid on the left side of the image.

String Ensemble Honors (0288) Credit .5

This course is open to string students in grades 10-12 by teacher approval. Students will focus on advanced string ensemble literature as well as advanced string technique. Students will be required to participate in one festival audition as well as perform the required audition piece for the class. String Ensemble members will join the ELHS Orchestra during evening rehearsals, concerts, school assemblies and festivals. Evening rehearsals and concerts are curricular and required for course credit.

Prerequisite: Orchestra and / or previous experience.

Guitar I (0294) Credit .5

This semester course is designed to teach fundamental guitar skills in a classroom setting to students with little or no experience. Course topics will include music reading, tablature, chords, strumming techniques and melody playing. Enrollment is limited to 15 students per semester for grades 9-12, with grades 10 - 12 having first choice

Guitar II (0295) Credit .5

This semester course is designed to teach advanced guitar skills to students in a classroom setting. Course topics will include music reading, tablature, chords, strumming techniques, finger picking and melody playing. Enrollment is limited to 15 students per semester for grades 9-12, with grades 10 - 12 having first choice. Prerequisite: Guitar I.

Digital Piano I (0296) Credit .5

This semester course is designed to teach fundamental piano skills in a classroom setting to students with or without prior training. Students will learn music literacy and technique through a variety of piano literature.



Digital Piano II (0297) Credit .5

This semester course is designed to teach fundamental piano skills in a classroom setting to students with or without prior training. Students will learn music literacy and technique through a variety of piano literature.

Music Tech I (0292) Credit .5

Students will utilize an electronic piano keyboard and music software to sequence music and create basic compositions. This course will cover the basics of music technology in the midi computer lab. Students do not have to know how to read or write music to participate in this course.

Music Tech II (0293) Credit .5

Music Tech II will pick up where Music Tech I left off. This project based course will introduce students to more techniques and software.

Prerequisite: Music Tech I

Music Co-Op (0291) Credit .5

In this course, students with special needs are paired with peer coaches to work together on various musical projects and activities. Activities will include singing, movement/dance, performing on instruments, music technology/computers, listening to and describing music. Students will explore the subject matter and are expected to support and assist each other in the creative process.

History of Rock and Pop (0286) Credit .5

This course is open to any grade 9-12 student who is interested in learning about American music of the 20th century. Students will study the development of rock n' roll by examining its musical roots and the artists who have greatly influenced American music in this century. Class lectures, discussions, music listening and documentaries will aid students in understanding the historical context and era in which music was composed. Students will be required to present oral as well as written projects throughout the semester.



Music Theory Fundamentals (0270) Credit .5

This course is open to any student desiring to learn the basic language of music. No previous knowledge of music theory is required. The study of music fundamentals will include common music symbols, rhythm, key signatures, intervals, scales, chords, basic score reading, and ear training exercises to build a basic music vocabulary for composition.

Music Composition (0273) Credit .5

This course is a continuation of Music Theory Fundamentals. Course work will cover the study of melody, harmony, chords and arranging music. Listening exercises, score reading techniques and the psychology of creating music for specific purposes will be studied. Emphasis will be placed on developing basic skills to compose music. Students will utilize the computer lab for composition exercises and use various music software programs to complete and arrange final compositions. **Prerequisite: Music Theory or permission of instructor.**

AP Music Theory (0272) Credit 1.0

This course mirrors the music theory and ear training course work of typical freshman music majors. In addition to advanced music theory concepts, the course focuses heavily on music literacy. Students learn to read and write melody and harmony with great fluency. AP exam involves sight singing, dictation and free response questions. AP test fee paid by student.

SCIENCE

Students are required to take 3 credits of Science, including Integrated Science and Biology.

Grade 9 - One of the following is REQUIRED:
Integrated Science Honors, Integrated Science A, Integrated Science B or Foundations of Science (Integrated Science)

Grade 10 - One of the following is REQUIRED:
Biology Honors, Biology A, Biology B or Foundations of Science (Biology)

In addition to the required Biology course, the following electives are available to Grade 10 students with an aptitude in Science and Math (with approval from the Integrated Science Teacher):

Chemistry Honors or AP Environmental Science

Grade 11 – One of the following is RECOMMENDED:
Chemistry Honors, Chemistry A, ChemCom or Physical Science B

In addition to the recommended course, there are a variety of electives available beginning junior year – see the list below for options

Grade 12 – One of the following is RECOMMENDED:
AP Physics, Physics A or Applied Physics

In addition to the recommended course, there are a variety of electives available – see the list below for options

ELECTIVES:

AP Biology

AP Chemistry

AP Environmental

AP Physics 1

AP Physics 2

Astronomy

Biotechnology

Environmental Science

Forensic Science

Human Anatomy & Physiology Honors

Medical Terminology – UCONN ECE

Lab Assistant

Marine Biology 1

Marine Biology 2

Marine Biology 3

Science for the 21st Century Citizen



Foundations of Science – Integrated Science (0644) Credit 1.0

This is part of a two year science program designed to examine concepts in Earth, Space, Science and Biology. The course is designed for students who are working towards proficiency in scientific reasoning and problem solving. The course focuses on both content and skill development. It follows the same curriculum as Integrated Science and Biology but at a modified pace. Successful completion of both Foundations of Science courses will fulfill both the Integrated Science and Biology graduation requirements for students.
Prerequisite: Students may be placed in this course only as a result of a teacher recommendation.

Integrated Science A (0601) Credit 1.0

Integrated Science offers an interdisciplinary approach to the study of Earth Science with an emphasis on the following concepts: matter and chemical reactions, space systems, Earth's systems and history, and climate and sustainability. Topics in physical science are integrated throughout. Comprehensive assessment and application of these topics invite students gain a better understanding of the earth and our solar system. Next Generation science practices are embedded throughout the course and will include planning and conducting laboratory investigations, analyzing data, constructing and revising evidence-based claims and developing models to represent scientific concepts. Selection of materials, pace, level of independence and manner of presentation differ according to level.

Integrated Science Honors (0600) Credit 1.0

Integrated Science offers an interdisciplinary approach to the study of Earth Science with an emphasis on the following concepts: matter and chemical reactions, space systems, Earth's systems and history, and climate and sustainability. Topics in physical science are integrated throughout. Comprehensive assessment and application of these topics invite students gain a better understanding of the earth and our solar system. Next Generation science practices are embedded throughout the course and will include planning and conducting laboratory investigations, analyzing data, constructing and revising evidence-based claims and developing models to represent scientific concepts. Selection of materials, pace, level of independence and manner of presentation differ according to level.



Integrated Science B (0602) Credit 1.0

Integrated Science offers an interdisciplinary approach to the study of Earth Science with an emphasis on the following concepts: matter and chemical reactions, space systems, Earth's systems and history, and climate and sustainability. Topics in physical science are integrated throughout. Comprehensive assessment and application of these topics invite students gain a better understanding of the earth and our solar system. Next Generation science practices are embedded throughout the course and will include planning and conducting laboratory investigations, analyzing data, constructing and revising evidence-based claims and developing models to represent scientific concepts. Selection of materials, pace, level of independence and manner of presentation differ according to level.

Foundations of Science – Biology (0645) Credit 1.0

This is part of a two year science program designed to examine concepts in Earth, Space, Science and Biology. The course is designed for students who are working towards proficiency in scientific reasoning and problem solving. The course focuses on both content and skill development. It follows the same curriculum as Integrated Science and Biology but at a modified pace. Successful completion of both Foundations of Science courses will fulfill both the Integrated Science and Biology graduation requirements for students.

Prerequisite: Students may be placed in this course only as a result of a teacher recommendation.

Biology A (0607) Credit 1.0

This is a college preparatory Biology course with integrated laboratory experiences. This course is intended to introduce the student to the study of living organisms. There is an emphasis on the scientific process and critical thinking, as well as on vocabulary. Topics to be covered are biochemistry, cell biology, genetics, evolution, ecology and microorganisms.

Biology Honors (0606) Credit 1.0

This introductory Biology course is intended to introduce the student to the study of living organisms. There is an emphasis on the scientific process and critical thinking, as well as vocabulary. In an honors level course, students are expected to become independent learners. This is accomplished through reading assignments (chapters, journal articles and online materials), laboratory reports, research reports, online activities and hands-on activities. Topics to be covered include biochemistry, cell biology, genetics, evolution, classification, biotechnology and microorganisms. Students completing this course should consider taking the SAT subject test in the spring and are eligible to take AP Biology either their junior or senior year.

Prerequisite: Integrated Science H or Integrated Science A with an A- or better.



Biology B (0608) Credit 1.0

This course enhances skills for college readiness for Biology. Laboratory experiences are an integral part of this course, which address all major topics in Biology including cells, genetics, evolution and ecology. General biological literacy is the emphasis; therefore, it is not recommended for students who plan to major in science in college.

AP Biology (0604) Credit 1.0

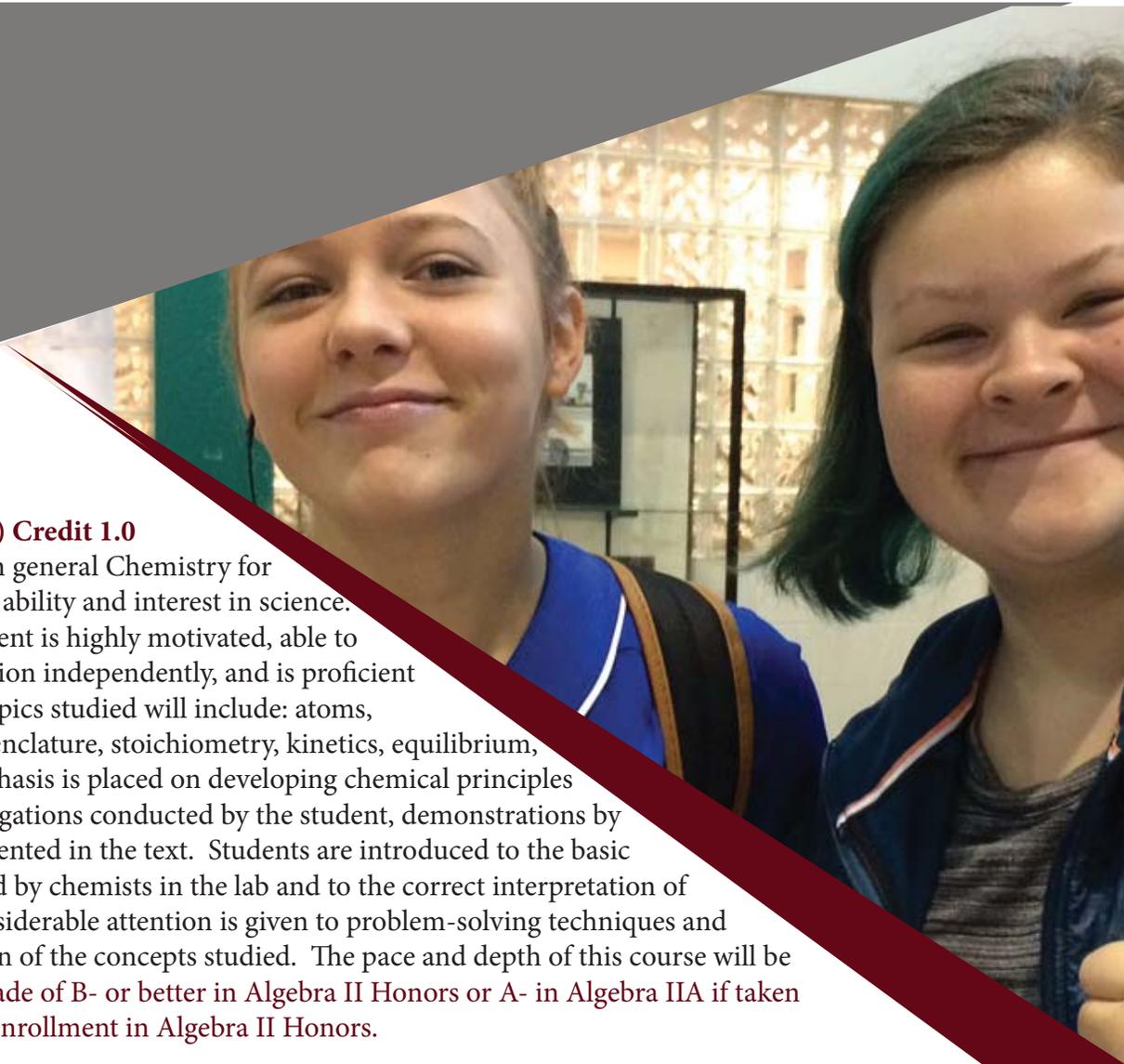
This course is designed to be the equivalent of a first year college Biology course. Topics to be covered in depth are biochemistry, cell biology, genetics, evolution, classification, plants, anatomy and ecology. In order to cover the prescribed curriculum, students are expected to do summer reading assignments prior to taking the course and extensive reading outside of the classroom during the year. This course will also include the AP labs, as suggested by The College Board, and will help prepare students to take the AP Biology exam administered in May. Students are expected to work independently on much of the material and assessment will be based on tests, quizzes and lab reports. To receive AP credit, the student must take the AP exam. AP test fee paid by student.

Prerequisite: Biology and Chemistry (may be taken concurrently)

Chemistry A (0615) Credit 1.0

This is a traditional Chemistry course that will provide a thorough grounding in the major chemical concepts and laboratory skills. It is intended for college-bound students who are competent in math. Teaching methods include lecture, small group work, lab experiments and demonstrations as well as problem solving techniques. Topics to be covered include atomic structure, molecular shape and polarity, chemical bonding, nomenclature, reactions and equations, stoichiometry, states of matter, chemical equilibrium, solubility and precipitation, acids and bases, and oxidation reduction. The pace is suitable for A level students.

Prerequisites: C or better in Geometry and Algebra I and Algebra IIA concurrently.



Chemistry Honors (0614) Credit 1.0

This is a rigorous course in general Chemistry for students with exceptional ability and interest in science. It is assumed that the student is highly motivated, able to read and process information independently, and is proficient in mathematical skills. Topics studied will include: atoms, molecules, chemical nomenclature, stoichiometry, kinetics, equilibrium, and acids and bases. Emphasis is placed on developing chemical principles through laboratory investigations conducted by the student, demonstrations by the teacher, or results presented in the text. Students are introduced to the basic investigative methods used by chemists in the lab and to the correct interpretation of the subsequent data. Considerable attention is given to problem-solving techniques and to mathematical expression of the concepts studied. The pace and depth of this course will be rigorous. **Prerequisites:** Grade of B- or better in Algebra II Honors or A- in Algebra IIA if taken previously or concurrent enrollment in Algebra II Honors.

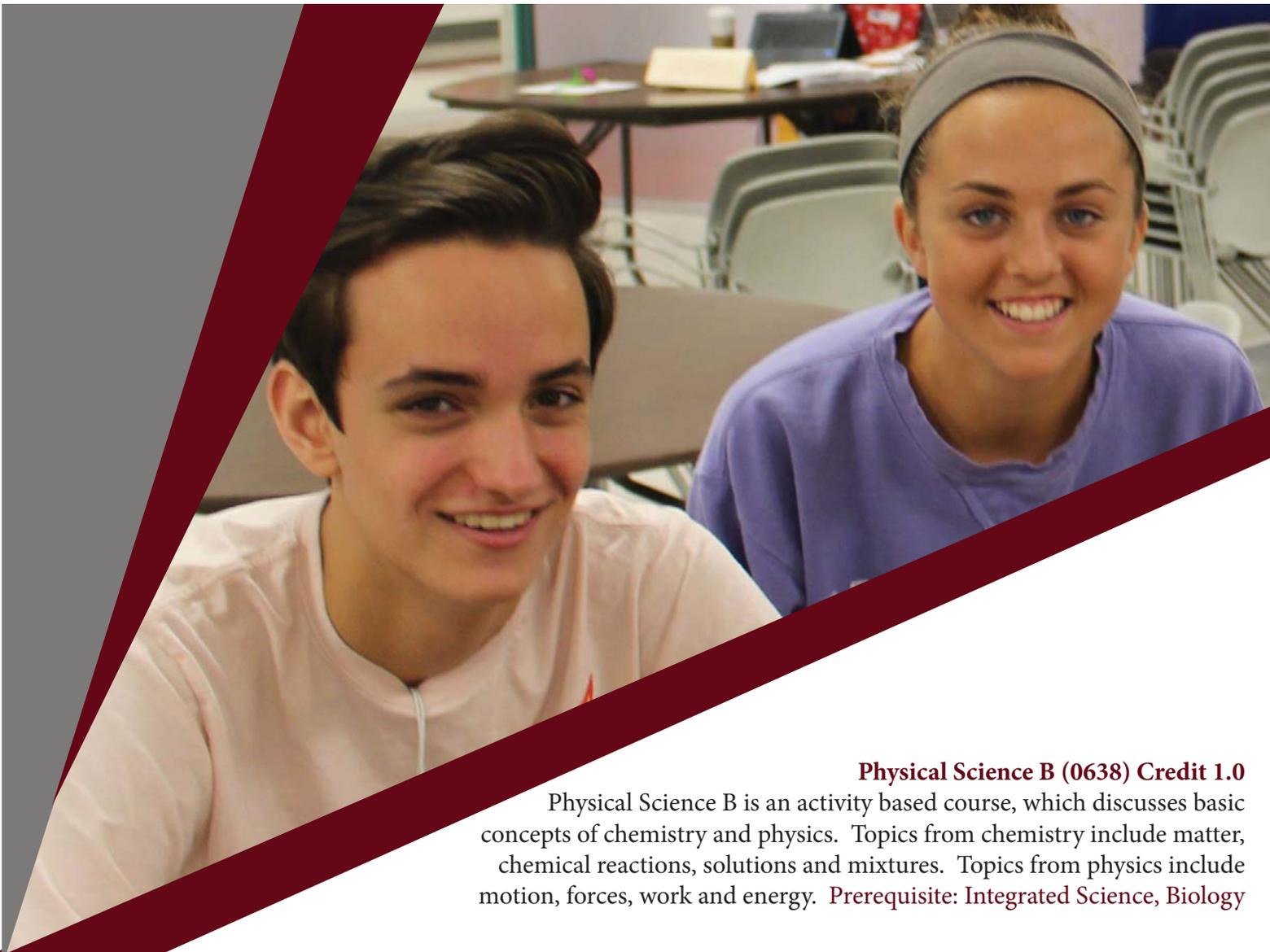
AP Chemistry (0613) Credit 1.0

This is an Advanced Placement Course in general Chemistry for students wishing to study a second year of Chemistry in high school. The curriculum follows that published by the College Board, which represents a first year college level course. The students will take the Advanced Placement exam in May. Topics covered include atoms and molecules, thermodynamics, kinetics, equilibrium, acids and bases, oxidation and reduction, transition metals and organic chemistry. Students are expected to work independently on much of the material. Students will be graded on tests, quizzes and lab practicals. To receive AP credit, the student must take the AP exam. AP test fee paid by student. **Prerequisite:** At least a B in Chemistry Honors; PreCalculus completed or taken concurrently

ChemCom (0616) Credit 1.0

Chemistry in the Community (ChemCom) is an activity based, issues-oriented chemistry curriculum that encourages participation. It includes many traditional chemical concepts and laboratory skills, as well as more bio-industrial and organic chemistry than is normally encountered in a standard high school chemistry curriculum. The most unique feature of this course is that chemistry is taught on a “need to know” basis, with societal and technological issues/problems determining the depth and breadth of chemical concepts taught. Most of the complex and perplexing issues and problems facing our nation involve more than scientific concepts. They also involve individual and social values and group decision-making processes. Accordingly, this course aims to prepare students for informed, effective citizenship through stimulating their higher cognitive abilities as well as values and attitudes. These students are typically juniors following a college preparatory course of study.

Prerequisites: C or better in Geometry and Algebra I or Algebra II concurrently.



Physical Science B (0638) Credit 1.0

Physical Science B is an activity based course, which discusses basic concepts of chemistry and physics. Topics from chemistry include matter, chemical reactions, solutions and mixtures. Topics from physics include motion, forces, work and energy. **Prerequisite: Integrated Science, Biology**

Foundations of Science - Physical Science (0646) Credit 1.0

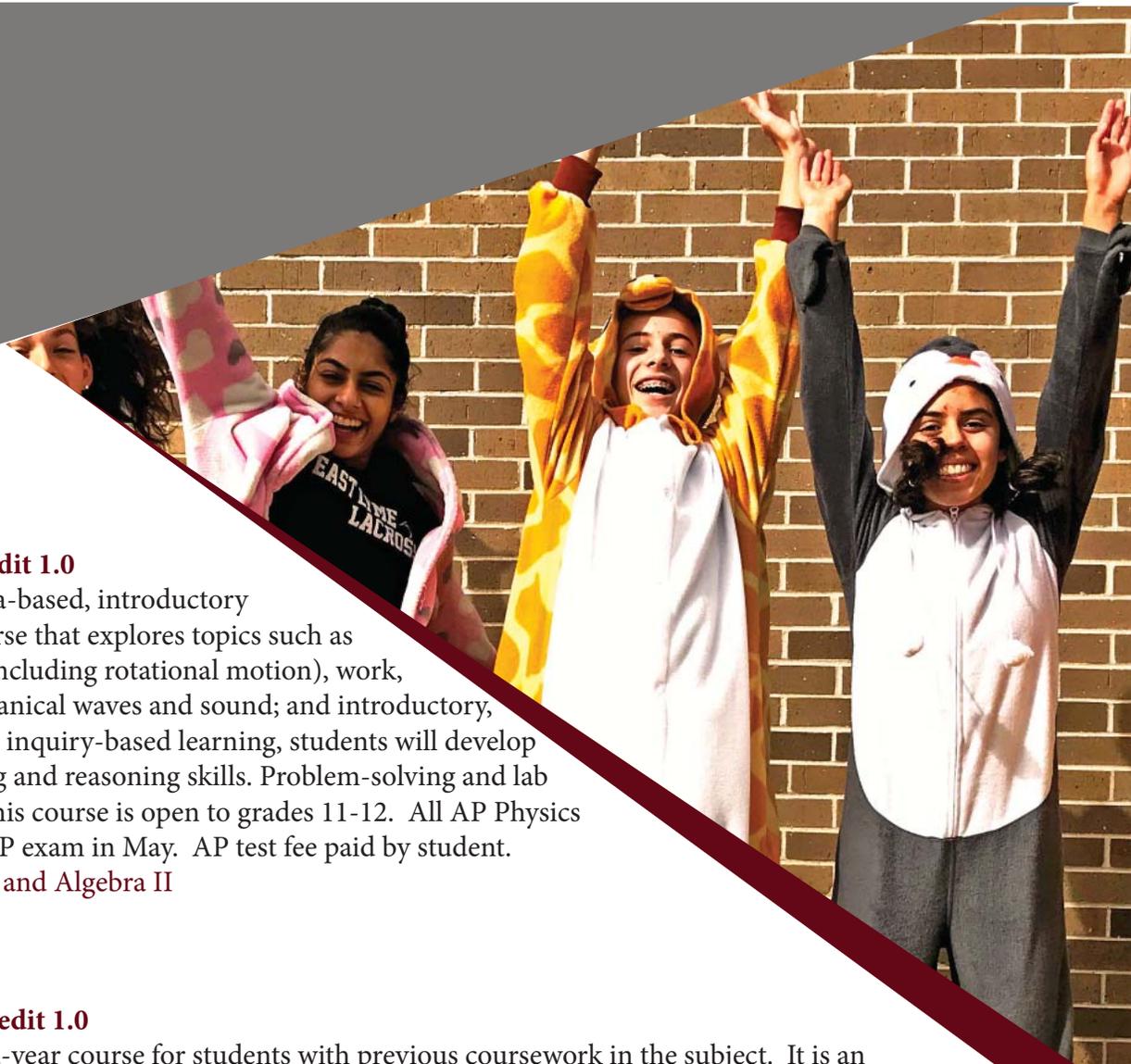
The course is designed for students who are working towards proficiency in scientific reasoning and problem solving. The course focuses on both content and skill development. It follows the same curriculum as Physical Science B but at a modified pace. Topics include both chemistry and physics and will help prepare students for the junior year state Science Assessment. **Prerequisite: Students may be placed in this course only as a result of a teacher recommendation.** This course is intended for Juniors or Seniors who have completed Foundations of Science IS and Bio.

Applied Physics (0634) Credit 1.0

Applied Physics is a hands-on laboratory course designed for students planning on a technical or engineering career or a career in any of the nursing or allied health fields. Fundamental physics topics are explored in the context of mechanical and electrical systems. For example, concepts such as force, work, rate, resistance, energy and power will be studied in both of these systems. Additional areas of study include waves, optics and selected topics in modern physics.

Physics A (0633) Credit 1.0

This is a course designed for college-bound juniors and seniors in which students learn and apply the fundamental laws of nature. The first part of the course investigates motion, forces, and energy. Later topics include the science of waves and sound, static electricity, simple circuits, and magnetism. Students will construct explanations for everyday phenomena, solve quantitative problems, and develop mathematical models of nature based on lab work and data analysis.



AP Physics I (0631) Credit 1.0

AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion), work, energy and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Problem-solving and lab work are emphasized. This course is open to grades 11-12. All AP Physics I students will take the AP exam in May. AP test fee paid by student.

Prerequisites: Chemistry and Algebra II

AP Physics II (0632) Credit 1.0

AP Physics II is a second-year course for students with previous coursework in the subject. It is an algebra-based, college-level course that explores topics such as fluid statics and dynamics, thermodynamics with kinetic theory, PV diagrams and probability, electrostatics, electrical circuits with capacitors, magnetic fields, electromagnetism, physical and geometric optics, and quantum, atomic, and nuclear physics. Students will think critically, construct solid arguments and solve problems using a variety of approaches. Significant time is spent designing and conducting experiments. All AP Physics II students must take the AP exam in May to receive credit. AP test fee paid by student.

Prerequisites: Chemistry and Algebra II; AP Physics I or Physics A

Astronomy (0621) Credit .5

The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties, and motions of bodies in space. This course introduces you to the composition and structure of the universe. Astronomy is the scientific study of the contents of the entire Universe. This course will provide the student with a study of the universe and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the Earth as a system in space, the Earth/moon system, the Sun as a star, and stars. This astronomy course will involve discussions, laboratory activities, and individual/group research projects.

Biotechnology A (0619) Credit .5

This laboratory intensive course is designed to extend upon the student's knowledge of DNA and proteins. It is intended for students in their junior and senior year who are interested in pursuing a career in biology or medicine. Sophomores taking Biology H may also enroll in the spring semester of their sophomore year. The curriculum includes the history of biotechnology, basic laboratory techniques, manipulation and analysis of DNA and protein, electrophoresis, transformation of e. coli and other labs as time permits. There is also a culminating project on bioethics. Students should come away with feeling comfortable at the lab bench and should have a better understanding of how biotechnology impacts society today. **Prerequisite: B in Biology A or Honors Biology.**

Environmental Science (0623) Credit .5

Environmental Science is the study of plants and animals and their relationship to the environment. The course examines how ecosystems function, how they remain in balance, and how human activities influence these ecosystems. Environmental studies also consider the topics of population, farming, water, atmosphere problems and endangered species. Field trips are a major part of this course and are a significant part of the grade. Lab work, research activities and class projects are included in this class. **Prerequisite: Integrated Science and Biology.**

AP Environmental (0617) Credit 1.0

This course provides students 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 man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Laboratory and field work is an integral part of the course. A summer assignment is required. To receive AP credit, the student must take the AP exam. AP test fee paid by student.

Prerequisite: A in Integrated Science A and/or at least a B in Integrated Science H. A in Biology A or at least a B in Biology Honors, but may take concurrently with Biology H.

Forensic Science (0618) Credit .5

Who dunnit? How do we know? In forensics you will learn the basics about crime scenes, how to collect evidence and how to process evidence. Fingerprinting, scene sketches, blood spatter, DNA, glass analysis and shoe prints are some of the fun topics we will explore. There is topic appropriate homework, readings, videos and lectures. Guest speakers will be invited from local law enforcement agencies and state police labs.

Prerequisite: Biology

Human Anatomy and Physiology Honors (628) Credit 1.0

Human Anatomy and Physiology covers the structure and function of the human body. This course begins with an introduction to the human body and a review of key biology and chemistry concepts needed to understand how the human body functions. Following the introduction, each of the body's systems will be covered as time permits. Labs involving comparative studies of tissues and organs as well as dissections will be included. This course is vocabulary intensive and taught at greater depth than the A level course. It is intended for students considering health or life science careers.

Prerequisites: Must have earned an A in Biology A, B or better in Honors Biology or per special permission by the course instructor.

Medical Terminology - ECE (Early College Experience) Credit 1.0

UCONN Course # AH 2001 (ECE 660) Credit. 1.0

This hands-on laboratory course is designed as an introduction to the fields of Medical Terminology for students interested in pursuing a career in Allied Health Sciences (medical or nursing professions) or Occupational Safety and Health. This year-long course will provide students with an understanding of human anatomy and physiology through explorations of all of the body systems. Course content will concentrate on learning root words, prefixes and suffixes associated with the human body. By the end of the course students will be expected to explain the meanings of medical terms in the context of the structure and function of the human body in health and disease. Students will also be expected to name the major organs and describe their locations and functions within the body. Part of this course will include describing disease processes, symptoms, diagnosis and treatments that affect the various body systems. Within this course there will be required UCONN online quizzes and a UCONN mid-term and final exam. Guidelines set by UConn, students must maintain a C average to receive UConn Credit. Application fee required for UConn credit. **Prerequisites: Must have earned a B in Biology A, successfully completed Honors Biology or special permission by the course instructor.**

Marine Biology I (0625) Credit .5

This course is an introduction to marine communities and lower level organisms. Plants and animals of the Long Island Sound estuary are studied through lecture, hands-on laboratory work, and identification of organisms and habitats. Organisms studied include marsh plants, seaweeds, sponges, jellies, corals, plankton, worms, and mollusks like clams, oysters, snails, octopus and squid. This course includes a squid dissection.

Prerequisite: Biology.

Marine Biology II (0626) Credit .5

Can't get enough marine biology? This time we will learn about crabs, lobsters, sea stars, sea cucumbers, fish, sharks, marine mammals, sea turtles, sea snakes, penguins and many related organisms. Modern and historical fisheries, whaling and pirates will also be discussed. This course includes several dissections including crayfish, sharks and fish. Students will also organize and supervise the Kindergarten Beach Day. **Prerequisite: Marine Biology I with C or better.**

Marine Biology III (0627)

Bermuda!! Need we say more? This is a field ecology class that takes place in May. There are several night classes before the trip that focus on Geology, History, Culture, Fish and Ecology of Bermuda. Snorkeling is a required component; students will be taught before going on the trip. Most ecological features on the island will be visited. Daily journaling and a final project are all part of the course grade. Cost will be determined each year and advertised in Sept. – Oct. Students need to be passing all classes and have a passion for science. **Prerequisite: Marine Biology I with C or better.**

Science for the 21st Century Citizen (0637) Credit .5

This course allows a student to become scientifically literate for citizenship in our global society. They will address topics every citizen should know to make informed decisions which involve global impact. Topics discussed include: the impact science has on our society, life extension, stem cell research, genetic research and intervention, advances in evolutionary medicine and nutrition, alternative energy sources, population dynamics and environmental interrelationships. General science literacy is the emphasis.

Lab Assistant (0640) Credit .5

This interdisciplinary program is designed to give students the opportunity to work with science teachers as laboratory assistants. Students will use science teachers as mentors to develop extended laboratory skills and techniques. They will learn to work independently in a lab situation and will also learn to work cooperatively with science teachers in a variety of disciplines. Students will have the opportunity to become more familiar with scientific equipment, supplies, storage areas and facilities within the Science Department. A student/teacher log of duties and hours is required in order to earn credit in the program. Students need to be trustworthy, responsible and dependable. Signing up for this course does not guarantee a placement with a teacher as this is driven by teacher schedule. Students need to arrange timing and sign a contract with a teacher at the beginning of the semester before the course will appear on the student schedule **Requirements: ¼ credit will be given each marking period following approval of the log by guidance and the Science Department CIL.**

SOCIAL STUDIES

Listed below are Social Studies graduation requirements for the ELHS class of 2020. Currently, ELHS students are required to earn 3 credits of Social Studies to fulfill the graduation requirement. Beginning with the class of 2021, ELHS students will be required to earn 3.5 credits of Social Studies to fulfill the graduation requirement.

The additional .5 credit will be a Social Studies elective of the student's choosing.

Grade 9 - One of the following is REQUIRED:

- Birth of the Modern World (A, B, or Foundations) or Modern World (A, B, or Foundations)

Grade 10 - The following course is REQUIRED:

In addition to the required courses, second semester sophomores may take any of the following electives after meeting the prerequisite:

- America: Rise of a Global Power (A, B, or Foundations)

In addition to the required courses, second semester sophomores may take any of the following electives after meeting the prerequisite:

- Economics A
- Psychology A

Grade 11 - One of the following is REQUIRED:

• America in the Modern World (A, B, or Foundations), American Humanities Honors (double blocked with English) or AP United States History And, the following course is REQUIRED to fulfill Social Studies graduation requirements:

• American Civics (A, B, or Foundations) - this course is open to juniors and seniors and can be taken either year. It is strongly recommended that the course be taken during junior year.

In addition to the required courses, juniors may take any of the following electives after meeting the prerequisite:

- AP Psychology
- Contemporary Issues IIH(Second Semester)
- Economics A
- Human Rights and Wrongs
- Psychology A
- Sociology A
- Issues of the Day

Grade 12 - The following course is REQUIRED to fulfill Social Studies graduation requirements:

• American Civics (A, B, or Foundations) - this course is open to juniors and seniors and can be taken either year. It is strongly recommended that the course be taken during junior year.

In addition to the required course, seniors may take any of the following electives after meeting the prerequisite:

- Anthropology A
 - AP American Government
 - AP Psychology
 - AP World History
 - Contemporary Issues IH
 - Contemporary Issues IIH
 - Economics A
 - Human Rights and Wrongs
 - Issues of the Day
 - Psychology A
 - Sociology A
-

Birth of the Modern World A/B (0709)/(0710) Credit 1.0

This course is an overview of the political, economic, social, religious and artistic developments of ancient civilizations and their contributions to the modern world. Topics of study include but are not limited to: Ancient Egypt, Greece, and Rome, Medieval Europe, the Renaissance, and the Age of the Enlightenment. The focus is to provide students with an understanding of historic continuity/change, global relationships, and the importance of point of view when evaluating history and culture. As students explore the larger concepts and themes of world history, they will begin to develop and apply the intellectual skills of Social Studies including critical reading, argumentative and informational writing, and research and document analysis. Students will participate in experiential learning that motivates them to become informed, active, and responsible citizens. Selected materials, pace, level of independence, and manner of presentation differ according to level

Birth of the Modern World Foundations (0711) Credit 1.0

This course is designed for grade 9 students and focuses on content and skill development. It follows the same chronological order as the Birth of the Modern World course, but at a modified pace. Students will be encouraged to improve their historical thinking, reading, and writing skills, through the study of ancient civilizations that made major political, economic, social, religious, and artistic contributions to the modern world. The curriculum will serve as a vehicle for students to sharpen the intellectual skills necessary to be successful in social studies. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens.

Modern World A/B (0712)/(0713) Credit 1.0

This course will provide students with an exploration of global history from the early 19th century to the modern era. A critical study of history throughout the world is stressed through a conceptual examination of such themes as politics and government, religion, social structures and economic motives. The curriculum is based on key essential questions which require students to think critically, analyze and synthesize information, and make connections across regions and time periods while investigating issues from multiple perspectives. As students explore the larger concepts and themes of modern world history, they will continue to develop and apply the intellectual skills of social studies including critical reading, argumentative and informational writing, and research and document analysis. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens. Selected materials, pace, level of

Modern World Foundations (0714) Credit 1.0

This course is designed for grade 9 students and focuses on both content and skill development. It follows the same chronological order as the Modern World course, but at a modified pace. Students will be encouraged to improve their historical thinking, reading, and writing skills, through the study of global history from the early 19th century to the modern era. The curriculum will serve as a vehicle for students to sharpen the intellectual skills necessary to be successful in social studies. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens.

America: Rise of a Global Power A/B (0760)/(0761) Credit 1.0

This course is a survey of American history that focuses on the challenges the young country faced in the second half of the nineteenth century, and its increased role in the first half of the twentieth century as a multicultural, industrial and global power. The course will focus on the study of political, cultural, economic, and social developments. As students explore the larger concepts and themes of American history, they will continue to develop and apply the intellectual skills of Social Studies including critical reading, argumentative and informational writing, and research and document analysis. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens. Selected materials, pace, level of independence, and manner of presentation differ according to level.



**America: Rise of a Global Power Foundations
(0762) Credit 1.0**

This course is designed for grade 10 students and focuses on both content and skill development. It follows the same chronological order as the America: Rise of a Global Power course but at a modified pace. Students will be encouraged to improve their historical thinking, reading, and writing skills, through the study of American history. The curriculum will serve as a vehicle for students to sharpen the intellectual skills necessary to be successful in Social Studies. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens.

America in the Modern World A/B (0763)/(0764) Credit .5

This half-year course will provide students with an understanding and awareness of the America that they were born into and will inherit. The course will focus on American and global history since World War II. The course will focus on the study of political, cultural, economic and social developments. As students explore the larger concepts and themes of American history, they will continue to develop and apply the intellectual skills of social studies including critical reading, argumentative and informational writing, and research and document analysis. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens. Selected materials, pace, level of independence, and manner of presentation differ according to level.

America in the Modern World Foundations (0765) Credit .5

This half-year course is designed for grade 11 students and focuses on both content and skill development. It follows the same chronological order as the America in the Modern World course, but at a modified pace. Students will be encouraged to improve their historical thinking, reading, and writing skills, through the study of developments in American history from 1945 to the present. The curriculum will serve as a vehicle for students to sharpen the intellectual skills necessary to be successful in social studies. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens.

A photograph of two young women with long brown hair, smiling warmly at the camera. They are positioned in the upper right quadrant of the page, partially overlapping a dark red diagonal graphic element. The woman on the left is wearing a pink top, and the woman on the right is wearing a blue top.

American Humanities Honors (0723) Credit 1.0

This course is a full-year double-blocked course taught by both a Social Studies teacher and an English teacher.

Using aspects of history, literature, high and popular culture, and personal experiences, students will trace the development of the American identity through the late nineteenth and twentieth centuries.

Key topics include, but are not limited to, America's changing worldview and role in world affairs, the changing national and personal views of America and Americans, the expectations and myths surrounding America, and a consideration of the American Dream. In short, we will attempt to define "America" and "Americans," in terms of a global view, as well as the views of the individuals who reside in America. Students enrolled in this course will receive credit for a full year of junior level American History, and a full year of junior English.

AP United States History (0724) Credit 1.0

This course, offering an enriched, rigorous curriculum, is designed as an in-depth study of American history to prepare students to take the AP examination in May. The course offers the academically talented student the experience of learning history at the college level. Students who take the course will investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods employed by historians when they study the past. Chronologically organized, the course covers the social, political, economic and cultural history of the United States. To receive AP credit, the student must take the AP exam. **AP test fee paid by student. This course completes graduation requirements for the 1.0 credit in U.S. in the 20th Century World course. Prerequisite: Juniors only with minimum A- final average in American Civics/American Studies and teacher recommendation.**

American Civics A/B (0700)/(0701)

This State of Connecticut required course provides students with historical and contemporary knowledge of the United States Constitution and how the values of liberty and equality impact national, state, local and individual decisions. Emphasis will be placed on the development of national, state and local government systems, and upon the rights, duties and responsibilities of citizens to effect and contribute to the well-being of their community, state and nation. As students explore the larger concepts and themes of American Civics, they will continue to develop and apply the intellectual skills of social studies including critical reading, argumentative and informational writing, and research and document analysis. Students will participate in experiential learning that motivates them to become informed, active and responsible citizens. Selected materials, pace, level of independence, and manner of presentation differ according to level.



American Civics Foundations (0702)

This course focuses on both content and skill development. It follows the same outline as the American Civics course, but at a modified pace. Students will be encouraged to improve their historical thinking, reading, and writing skills, through the study of the origins of our governmental systems as well as contemporary events and issues related to the United States Constitution. The curriculum will serve as a vehicle for students to sharpen the intellectual skills necessary to be successful in social studies. Students will participate in experiential learning that motivates

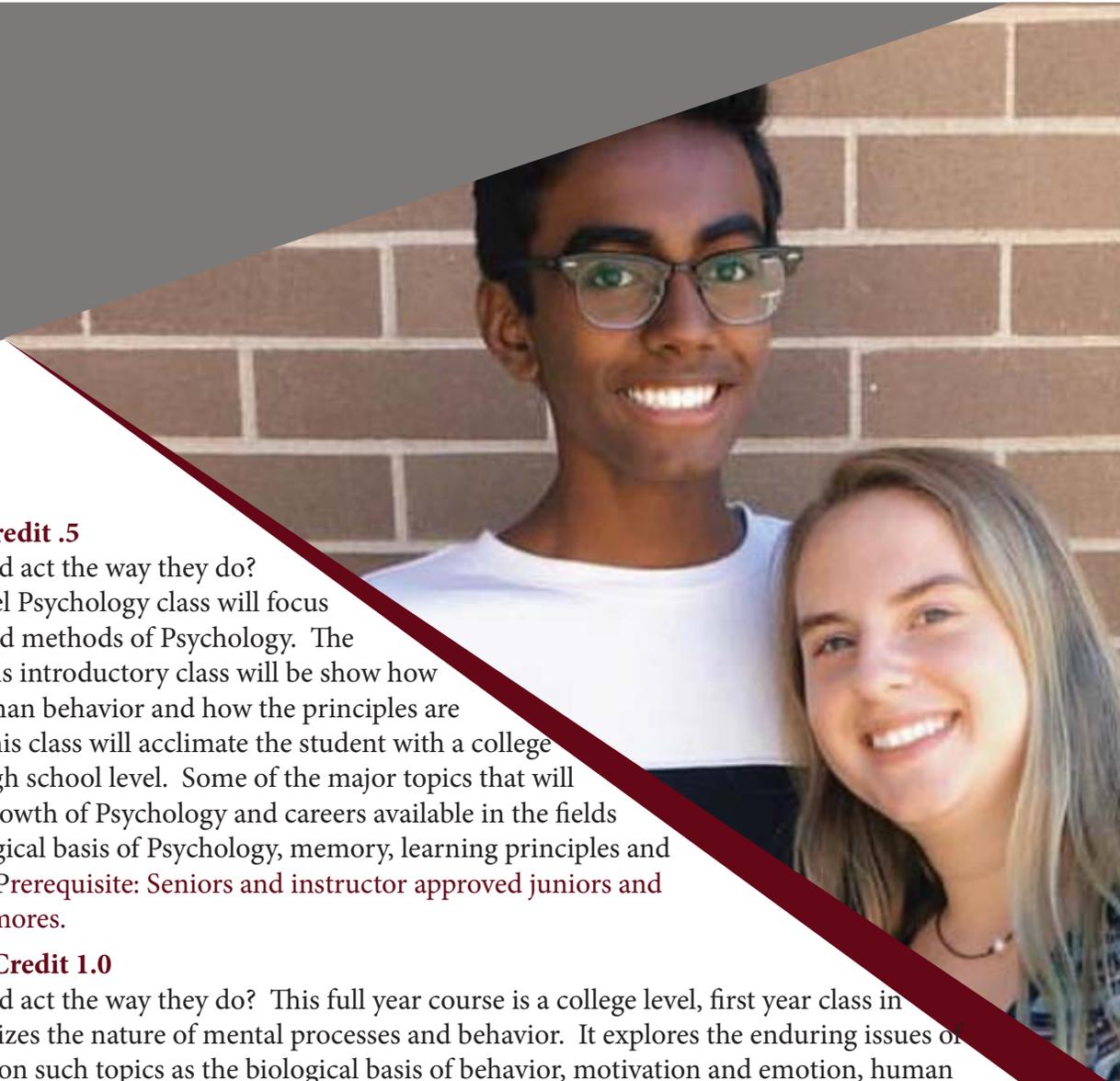
Anthropology A (0718) Credit .5

This course examines man, both as a creature of nature and as a creature of culture. It attempts to see man across time and space in an objective manner, utilizing a scientific approach in its investigation. Independent study and research are an important part of the course, as is the six-week off-campus field study. **Seniors only.**

Sociology A (0717) Credit .5

Sociology is a one-semester course in which the students develop a broad understanding of both familiar and foreign societies, and investigate the varied circumstances surrounding several social problems. The course describes and attempts to explain the behavior of individuals in groups within the structure of society and culture. It involves the study of such topics as ethnicity, identity, culture, socialization and social institutions such as the family. Students will become more astute observers of their society and of themselves. They will develop an appreciation of the scientific nature of sociology and become thoughtful about their lives, choices and actions.

Prerequisite: Seniors and instructor approved juniors.



Psychology A (0716) Credit .5

Why do people think and act the way they do?

This introductory A-level Psychology class will focus on the basic concepts and methods of Psychology. The primary emphasis of this introductory class will be show how Psychology impacts human behavior and how the principles are seen in everyday life. This class will acclimate the student with a college level discipline at the high school level. Some of the major topics that will be covered will be the growth of Psychology and careers available in the fields of Psychology, the biological basis of Psychology, memory, learning principles and states of consciousness. Prerequisite: Seniors and instructor approved juniors and second-semester sophomores.

AP Psychology (0715) Credit 1.0

Why do people think and act the way they do? This full year course is a college level, first year class in Psychology that emphasizes the nature of mental processes and behavior. It explores the enduring issues of Psychology and focuses on such topics as the biological basis of behavior, motivation and emotion, human development, personality, memory and learning. Contemporary controversial issues are explored within the various topics. Research methods and ethics are examined and employed as students formulate positions and support those opinions with factual documentation. Extensive reading is required. Students enrolled in this academically rigorous course are expected to take the AP examination in May. To receive AP credit, the student must take the AP exam. AP Test fee paid by student.

Human Rights and Wrongs (0720) Credit .5

In this project-based course, students explore the economic, social, political and geographical conditions that affect the rights of individuals around the world as defined by the United Nations Declaration of Human Rights. The course focuses on human rights issues of the twentieth and twenty first centuries including topics such as the origins of human rights, genocide, global poverty, gender inequalities, child labor, religious persecution, economic inequalities and other relative global issues. The course is designed to help students understand, explain, and investigate human rights issues by engaging in Socratic circles, conducting inquiry based projects, participating in simulations, and conversing with guest speakers.

Prerequisite: This course is reserved for seniors and uniors.

Issues of the Day (0727) Credit .5

This senior elective course open to senior and junior students examines current concerns such as privacy, individual responsibility, justice, and liberty, the role of government and authority, and current topics at the local, national and international level. A focus of the program will be civic responsibility and participation.

Economics A (0719) Credit .5

This course is an overview of both micro- and macro- economics. The course will include an analysis of how the individual interacts with the economy as well as how governments set economic policy. While several major economic systems will be examined, particular emphasis is placed on the economy of the U.S. and its place in the global economy. As students explore the economic concepts and themes, they will participate in experiential learning while they continue to develop and apply the critical reading, research and document analysis skills already introduced in early social studies courses. The course will help prepare students to interact with the U.S. economy as adults and understand the complex economic issues that they will face as future voters. **Prerequisite: Successful completion of junior year social studies coursework is strongly recommended. The course is intended for seniors and juniors, but second-semester sophomores may take this course with permission of the instructor.**

Contemporary Issues IH (0721) Credit .5

An elective course for seniors, this course examines the current issues that face our community, nation and the world. It is designed to provide a study of new and recurring problems. Opposing viewpoints are a basis for class readings and discussions, leading to the formulation of individual opinions. This course prompts students to examine their views and their own activism as responsible members of society. Students are expected to assume an active role in and out of the classroom. Selection of much of the subject matter involves both the students and the teacher. Content is altered from year to year according to the issues of the day and the interests of the students and the teacher. Experiences include a Model United Nations, Model Congress, election involvement, attendance at board and commission meetings, and guest speakers. **Prerequisite: Successful completion of U.S. in the 20th Century World**

Contemporary Issues IIH (0722) Credit .5

Following the format of Issues IH, subject matter is primarily determined by the students and teacher; however, Semester 1 Issues will not be repeated. Depending upon program availability and student interest, a Model United Nations, Model Congress, debate and Mock Trial may be included. Juniors who successfully complete Contemporary Issues may take the class again as seniors. **Prerequisite: Seniors and instructor approved juniors**

AP World History (0726) Credit 1.0

AP World History is a course designed to offer the academically motivated student an opportunity to study history at the college level. This course allows students to analyze human history from a global perspective; areas of focus include Africa, the Americas, Asia, and Europe from ca. 8000 BCE to the present. Major themes include social and gender issues, technological and intellectual developments, political identity, group interaction, and the concepts of change/continuity. In-class and out-of-class assignments will include primary and secondary source readings, writing, analytical and critical thinking, and class discussions. The academically rigorous curriculum is also designed to prepare students to take the AP exam in May. To receive AP credit, the student must take the AP exam. AP test fee paid by student. **Prerequisite: Seniors only; Successful completion of U.S. in the 20th Century World.**

AP American Government (0725) Credit 1.0

AP American Government is a full year course. The first semester acquaints students with political institutions, processes and ideologies in democratic and nondemocratic states. Students will learn about early influences on government, the American electoral system and how it compares to other countries, different forms of political socialization and participation, and the impact of media and public input on the American government. The second semester concentrates on an analysis of the American federal system and how it has evolved over time. Students will focus on the executive, legislative and judicial branches, the balance of power between the federal government and the states, and the court cases that have helped define our interpretation of civil rights and civil liberties. The content for the course is aligned to prepare students for the AP test in May. To receive AP credit, the student must take the AP exam. AP test fee paid by student. **Prerequisite: Seniors only; Minimum B average in U.S. in the 20th Century World and teacher recommendation. AP American Government fulfills state mandated ½ credit graduation requirement in Civics.**

TECHNOLOGY

World of Tech (0880) Credit .5

World of Tech is a semester introductory course where students will learn about technology, software, and technology course offerings that are available at the high school. Students will explore various software programs, hands on 3D construction of architectural models, 3D printing and graphic design. Projects vary each semester.

Introduction to 3D Design (0886) Credit .5

Introduction to 3D Printing is a semester course designed to introduce students to the basics of 3D printing. Learn all about how to use 3D printers and problem solve to create various forms with this new technology

C.A.D. I (0852), Credit .5

C.A.D. I is a semester course designed to introduce students to drafting. Emphasis will be placed on blue print interpretations and mechanical drafting techniques. Students will be exposed to two-dimensional drawings, orthographic projection, geometric construction, and isometric projection utilizing traditional drafting techniques and a CAD system. The class will be taught from a hands-on, problem solving approach.

C.A.D. II (0853), Credit .5

C.A.D. II is a semester course designed for the drafting student who has shown an interest in mechanical drafting. Emphasis will be placed on the creation of three-dimensional drawings, manipulation of three-dimensional wire frame models and surface developments. The connection between CAD and CAM will be explored. During this course students will explore careers that require CAD.
Prerequisite: CAD I and consent of the instructor.

C.A.D. III (0854) Credit .5

C.A.D. III is a semester course designed for the advanced drafting student who has shown a special interest in CAD drafting. Students will develop a semester long project of their choosing (with teacher approval) to design and produce CAD drawings of a complex nature, such as a set of house building plans, complete manufacturing component drawings to produce an assembled product such as a bicycle, production of scaled components on 3D printers and CAM, or a similar project.
Prerequisite: CAD II and consent of instructor.

Pre-Engineering (0859) Credit .5

Pre-Engineering is a semester course in which students will apply math and science concepts while solving engineering challenges. Engineers are creative problem solvers who develop ways to use the materials and laws of nature to create products and services. In this “hands on” course, students will learn a problem-solving design process and how it is used in industry to manufacture a product. The Computer Aided Design System (CAD) will also be used to analyze and evaluate the product design. Students will be introduced to engineering as a potential career.
Prerequisite: CAD I and consent of the instructor.

Engineering (0860) Credit 1.0

Engineering is a year-long course that will cover basic construction principles and practices. Emphasis will be placed on design, geometric theories, construction and evaluation/testing. Some projects may include robotic arms, electric cars, scale model bridges, roof trusses, geodesic domes, residential wall framing, tower building, pneumatic structures and concrete work. Pre-engineering software and sketching will be used. This class will be taught from a hands-on, problem solving approach. **Prerequisite: CAD I and consent of the instructor.**



Architectural Drafting I (0850) Credit .5

Architectural Drafting I is a semester course that introduces students to the world of Architecture.

Emphasis will be placed on the design and architectural study of residential structures. This course is taught from a hands-on, problem solving approach.

Prerequisite: CAD I or permission from instructor.

Architectural Drafting II (0851) Credit .5

Architectural Drafting II is a continuation of Architectural Drafting I. Emphasis will be placed on creating three-dimensional models. Students will also explore architectural drafting/engineering as a career choice. The class is taught from a hands-on, problem solving approach. Recommended for all students considering a future in Architecture, Engineering and related structural professions. Prerequisite: Architectural Drafting I and consent of instructor.

Construction I (0855) Credit .5

Construction I is a semester course in which students will learn how buildings are constructed to better understand the functions of a house. Topics include drywall, electrical, plumbing and general house maintenance as a living environment. Emphasis will be placed on design, construction, materials and machines. Simple geometry and a practical application of mathematics will be used throughout the class.

Prerequisite: CAD I or World of Tech and consent of instructor.

Construction II (0856) Credit .5

Construction II is a semester course for students who wish to continue their study of construction. Students will build a small full-scale structure, learn how home plumbing systems work and gain experience in flooring and tiling, roofing and foundation work.

Prerequisite: Construction I and consent of instructor.

Furniture & Woodworking I (0857) Credit .5

Furniture & Woodworking I is a semester course focused on design and wood layout, proper use of woodworking tools and machinery, and shop safety. Projects focus on wood working and furniture construction. Students will be expected to demonstrate problem-solving skills. Prerequisite: CAD I or World of Tech and consent of instructor.

Transportation Tech (0861) Credit .5

Transportation Tech explores land, marine and air transportation machines and systems. Students learn mechanics of simple machines such as skateboards and bikes, and construct small boats, mousetrap cars, a catapulted glider and a transportation system. Students will also learn when and how to do simple car maintenance such as check tire pressure and change fluids. This class is taught from a hands-on, problem-solving approach.

Exploring Computer Science I (0873) Credit .5

Exploring Computer Science I & II (ECSI and ECSII) is a year-long course broken into two semesters consisting of 6 units, approximately 6 weeks each. Students will experience various aspects of computer science including problem solving, web design, programming and Robotics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. This course has no prerequisites and is designed for all students; however, ECS I must be taken before ECS II.

Exploring Computer Science II (0874) Credit .5

Exploring Computer Science I & II (ECSI and ECSII) is a year-long course broken into two semesters consisting of 6 units, approximately 6 weeks each. Students will experience various aspects of computer science including problem solving, web design, programming and Robotics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students.

Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

Prerequisite: ECS I.

Web Design (0866) Credit .5

Web Design is a semester course that introduces students to web design and programming in HTML, CSS and JavaScript. Students also study web design elements and principles, Internet basics, and develop coding skills using an Integrated Development Environment (IDE). This course will provide a strong foundation for those interested in a career in web design or programming. Upon completion, students will be able to develop hand-coded web pages using current markup standards.

Computer Programming Honors (0871)/(0872) Credit 1.0/.5

Computer Programming Honors is a year-long or semester course that will provide a strong foundation in computer concepts as well as the programming skill required for success in AP Computer Science. App development, software engineering and careers in computer science all begin with a background in computer programming. The course will explore various software programming languages including Java and MIT App Inventor 2. Projects will emphasize algorithm development and computer science principles and allow students to explore career directions such as app development, software engineering and programming.

Prerequisites: Algebra II and one semester of computer programming in Web Design or Exploring Computer Science or consent of instructor.

AP Computer Science A Java (0870) Credit 1.0

AP Computer Science is a year-long course that will cover the fundamentals of a first semester computer science college course in Java programming. Students will design and implement computer-based solutions in several application areas. Students will develop, select, and use appropriate algorithms and data structures to solve problems and complete labs required by the College Board. Students will develop skill in the Java™ programming language. This course follows the Advanced Placement Computer Science curriculum in preparation for the Advanced Placement Exam™. Students may receive college credit based on performance on the AP Exam. AP test fee paid by student.

AP Mobile Computer Science Principles (0869) Credit 1.0

(Formerly Computer Programming)

AP Mobile Computer Science Principles (AP CSP) is the College Board's new Advanced Placement (AP) course in Computer Science. AP CSP is a full year course and will cover the fundamentals of a first semester Computer Science college course. Students learn computer science by building socially useful mobile apps. In addition to programming and computer science principles, the course is project-based and emphasizes writing, communication, collaboration and creativity. MIT App Inventor 2 is a visual, blocks-based programming language for Android devices. Students may receive college credit based on performance on the AP Exam. AP test fee paid by student.

Prerequisites: Consent of instructor and either Algebra II or one semester of computer programming in one of the following courses: Web Design, Exploring Computer Science, Mobile Computer Science Programming or Honors Computer Programming.

Introduction to Graphics (0862) Credit .5

Introduction to Graphics is a semester course where students will learn how the professionals design and create great projects. Students will have fun with computer design and hands on learning. This class focuses on Adobe Illustrator, creating T-shirts, mugs, stickers, etc.

Advanced Graphics (0863) Credit .5

Advanced Graphics is a semester course for students who have taken other graphics classes and want to work in the print shop. The goal is to create, design, produce and complete jobs for customers and is a great way to get real life experience in the class room. **Prerequisites:** Introduction to Graphics and consent of instructor.

Image Graphics (0865) Credit .5

(Formerly known as Photoshop 101)

Image Graphics is a semester course all about Photoshop. Become a master of Photoshop and photo manipulation. Learn amazing skills and have fun creating. A great course for learners of all levels and skills.

Digital Photography (0864) Credit .5

Digital Photography is a semester course that is about taking photographs and making them great! This course focuses on Adobe Photoshop and Adobe Indesign. Students will take pictures, digitally manipulate them and then print.

Students will also learn the mechanics of layout design and how to become a great designer.

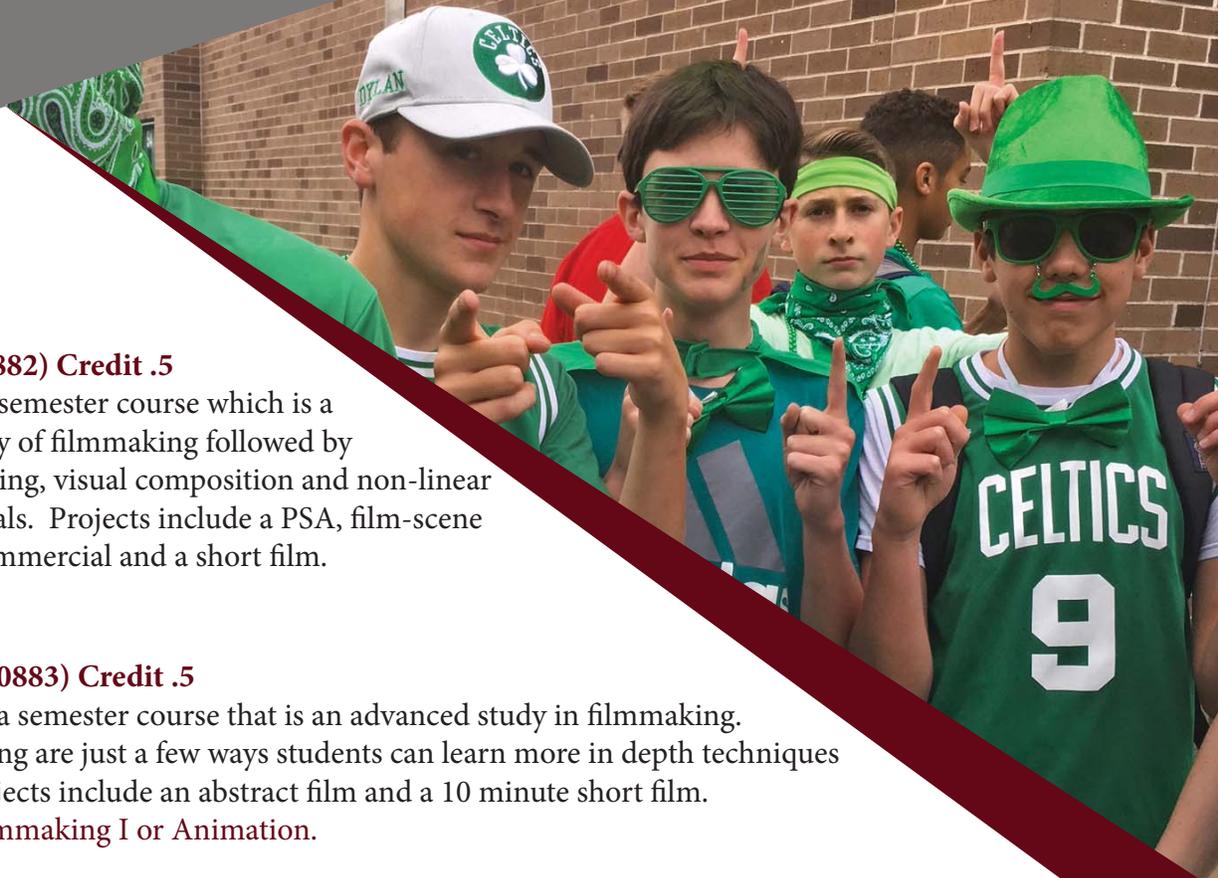
Yearbook (0881) Credit .5

Yearbook is a semester or year-long course in which students create, design and make the ELHS yearbook. A fun filled class with lots of hands on work.

No Prerequisites, consent of instructor required for grades 9 and 10.

Animation (0867) Credit .5

Animation is a semester course that involves applying motion to inanimate objects using Final Cut Pro and green screen technology. Students will create: a traditional flip book with digital effects; a short film using stop motion techniques; and finally, a project using motion capture.



Digital Filmmaking I (0882) Credit .5

Digital Filmmaking I is a semester course which is a survey study of the history of filmmaking followed by storyboarding, script writing, visual composition and non-linear (computer) editing tutorials. Projects include a PSA, film-scene re-creation, 30 second commercial and a short film.

Digital Filmmaking II (0883) Credit .5

Digital Filmmaking II is a semester course that is an advanced study in filmmaking. Lighting, audio and editing are just a few ways students can learn more in depth techniques to better their films. Projects include an abstract film and a 10 minute short film.

Prerequisites: Digital Filmmaking I or Animation.

Digital Filmmaking III (0884) Credit .5

Digital Filmmaking III is a semester course for students serious about advancing post-high school in the field of digital film. Projects are designed around the interest of the student. A student can become a certified Final Cut Pro editor, write a feature length screen play, study videography with DSLR cameras or learn advanced sound acquisition.

Prerequisite: Digital Filmmaking I and II and consent of the instructor. Animation strongly recommended.

TV Broadcast News (0885) Credit 1.0

TV Broadcast News is a year-long course responsible for broadcasting The Morning Show. This course requires work outside the classroom block. Evaluation is primarily from a project portfolio. Student should have good attendance, be able to complete assignments on time and work in a fast paced environment.

Prerequisite: Digital Filmmaking I and II, and consent of instructor. Animation strongly recommended.



VISUAL ARTS

2D Art I (0235) Credit .5

(Formerly Introduction to Art & Design, Drawing I, Painting I)

2D Art I offers basic knowledge of drawing, painting and design. Projects explore various materials such as pencil, charcoal, paint, paper, ink and collage. This course is recommended for students who are looking for an introductory art course and for students who wish to learn art skills that provide a foundation for other visual arts course offerings.

2D Art II (0236) Credit .5

(Formerly Drawing II and Painting II)

2D Art II builds on the fundamentals taught in 2D Foundations I and offers more advanced applications of drawing, painting and design. Students will explore a variety of subject matter with an emphasis on imagination and creativity. Prerequisite: 2D Art I and consent of instructor. Students who have taken Introduction to Art & Design, Drawing I or Painting I are also eligible to take this course.

Illustration I (0245) Credit .5

Illustration I is an introduction to the field of illustration through a series of projects that focus on increasing understanding of visual language and storytelling through drawing & painting. The main areas of illustration that will be explored are editorial, advertising and book illustration.

Prerequisite: 2D Art I and consent of instructor. Grades 10-12 only. Students who have taken Introduction to Art & Design, Drawing I or Painting I are also eligible to take this course.



Ceramics I (0202) Credit .5

Ceramics I covers hand-building techniques of clay construction including pinch, coil, and slab methods, and various surface designs with textures and glazes. Students will create functional and decorative projects as well as clay sculpture.

No prerequisites but 2D Art I or Crafts is strongly recommended. Grades 10-12 only.

Ceramics II (0203) Credit .5

Ceramics II is an advanced course that explores ceramics in depth, emphasizing techniques in wheel throwing and hand building. Prerequisite: Ceramics I and consent of instructor.

Grades 10-12 only.

Crafts I (0206) Credit .5

Crafts I explores creativity, design and craftsmanship with an emphasis on 3D art making. Students will use a variety of materials to make original crafts such as mosaic, basket weaving and printmaking.

Crafts II (0205) Credit .5

Crafts II is an advanced course that explores Crafts in depth. Students will create individual and collaborative projects using various materials such as glass, fabric, jewelry, metal and costume design. Prerequisites: Crafts I or Ceramics II and consent of instructor.

Art Co-Op (0216) Credit .5

In Art Co-Op students with special needs are paired with typical peers to work together on various individual and group art projects. Students will explore a variety of art materials and are expected to support and assist each other in the creative process. The therapeutic value of cooperative learning and the mentoring opportunity for all students is emphasized. Projects include painting, printmaking, collage, ceramics and sculpture. Projects may vary each semester. Prerequisite: Permission of instructor. Grades 10-12 only.



**Advanced Art & Portfolio Development
(0239)/(0240) Credit 1.0/.5 (Formerly Studio Art Honors)**

Advanced Art & Portfolio Development is for the more serious art student who wants to continue to create art for personal expression and gain further experience in a variety of techniques and materials. Students will continue to use design terms, prepare nature/skeletal studies, draw figures, portraits and landscapes, research artists, photograph art work and create mixed media and sculpture projects; based on famous artists. Students also have the opportunity to build an art portfolio for acceptance to an art college or university if they choose to.

Prerequisite: 2D Art I and II, and one of the following: Ceramics I or Illustration I. Consent of instructor. Grades 11 and 12 only. Students who have taken Drawing I and II (in addition to one of the following: Painting I, Sculpture, Ceramics I or Introduction to Art & Design) are also eligible to take this course.

AP Studio Art (0218) Credit 1.0

In AP Studio Art, students who are serious about their art will build a portfolio to submit for the AP Studio Art Exam in May. Students will create various projects using a range of materials, techniques and subject matter. Students will create and photograph their work for submission to the College Board for consideration for credit at the college level. This work will also be used for the student's portfolio for acceptance at an art school or university. To receive AP credit, the student must take the AP exam. AP exam fee paid by student.

Prerequisite: 2D Art I and II, and one of the following: Ceramics I or Illustration I. Consent of instructor. Grades 11 and 12 only. Students who have taken Drawing I and II and Painting I (in addition to one of the following: Sculpture, Ceramics I or Introduction to Art & Design) are also eligible to take this course.

Students who have taken Drawing I and II and Painting I (in addition to one of the following: Sculpture, Ceramics I or Introduction to Art & Design) are also eligible to take this course.

WORLD LANGUAGE

The study of world language in East Lyme begins in 4th grade, and continues on through senior year AP and UCONN Early College Experience classes at the high school. Research provided from the American Council on the Teaching of Foreign Languages website indicates that “bilingualism can lead to higher levels of metalinguistic awareness and cognitive ability. In general, (studies) point to the benefits to children of all language backgrounds of learning and maintaining two languages.” We are proud to offer the Seal of Biliteracy for students who reach a language proficiency of Intermediate Mid in a world language by their senior year. Classes focus on performance of and proficiency in the language, through the three modes of communication – interpersonal, interpretive and presentational – all through the lens of the culture(s) in the communities and countries that speak these languages.

French 1A/1B (0300)/(0301) Credit 1.0

Welcome to the French language and the Francophone community! Themes include self, school, family, activities and travel. Interactive activities may include games, Internet activities, and exploring the geography and countries in the French-speaking world. Writing and speaking activities help students to progress from Novice Low to Novice Mid by the end of the course in speaking, writing performance and proficiency. **Prerequisite:** Students who studied French 1 in middle school and wish to repeat the course should enroll in French 2B.

French 2H/2A (0302)/(0303) Credit 1.0

Students in French 2H/2A will continue study of the French language through themes including describing self and others, daily activities, food and shopping. Students continue to explore the geography and countries in the French-speaking world, focusing on other European and Asian French-speaking countries. Writing and speaking activities help students to progress within the Novice range by the end of the course in speaking, writing performance and proficiency. **Prerequisite:** Successful completion of French 1. **Movement between levels (i.e. 1B to 2A)** may require summer work to be ready for the next course.

French 2B (0304) Credit 1.0

Students in French 2B will continue study of the French language through themes including family life, vacations, daily activities, food and shopping. Students continue to explore the geography and countries in the French-speaking world, focusing on other European and Asian French-speaking countries. Writing and speaking activities help students to progress within the Novice range by the end of the course in speaking, writing performance and proficiency. **Prerequisite:** Successful completion of French 1B or French 1 at the middle school.



French 3H/3A (0305)/(0306) Credit 1.0

Students in French 3H/3A will study themes such as daily life, vacation and travel, fashion and pastimes through the lens of Francophone culture. More advanced language concepts will allow students access to readings such as articles as well as possibly excerpts of French literature. Writing and speaking activities help students to progress towards Intermediate Low by the end of the course in speaking, writing performance and proficiency.

Prerequisite: Successful completion of French 2H or 2A.

French 3B (0307) Credit 1.0

Students in French 3B will study themes including describing self and others, daily activities, food and shopping through the lens of Francophone culture. Students will continue to work on basic language concepts through authentic readings and videos. Writing and speaking activities help students to progress within the Novice level during the course in speaking, writing performance and proficiency.

Prerequisite: Successful completion of French 2B.

French 4H/4A (0308)/(0309) Credit 1.0

Students in French 4H/4A will explore more complex themes which may include world challenges, social issues, daily life, health and wellbeing, and French festivals. Students in this class may have the opportunity to read a short novel in French. Writing and speaking activities help students to progress within the Intermediate Range by the end of the course in speaking, writing performance and proficiency.

Prerequisite: Successful completion of French 3H or 3A



French 4B 0310) Credit 1.0

Students in French 4B will continue to explore themes relating to daily life, vacation and travel, fashion and pastimes. Writing and speaking activities help students to progress within the Intermediate Range by the end of the course in speaking, writing performance and proficiency.

Prerequisite: Successful completion of French 3B.

French 5A (0313) Credit 1.0

Students in French 5A will work on various projects illustrating themes such as science and technology, contemporary life, world challenges, and family and community. Students may also read a short novel and watch French films. Writing and speaking activities will help students to progress within the Intermediate Range by the end of the course in speaking, writing performance and proficiency.

Prerequisite: Successful completion of French 4H or 4A and teacher recommendation.

French 5 AP (0314) Credit 1.0

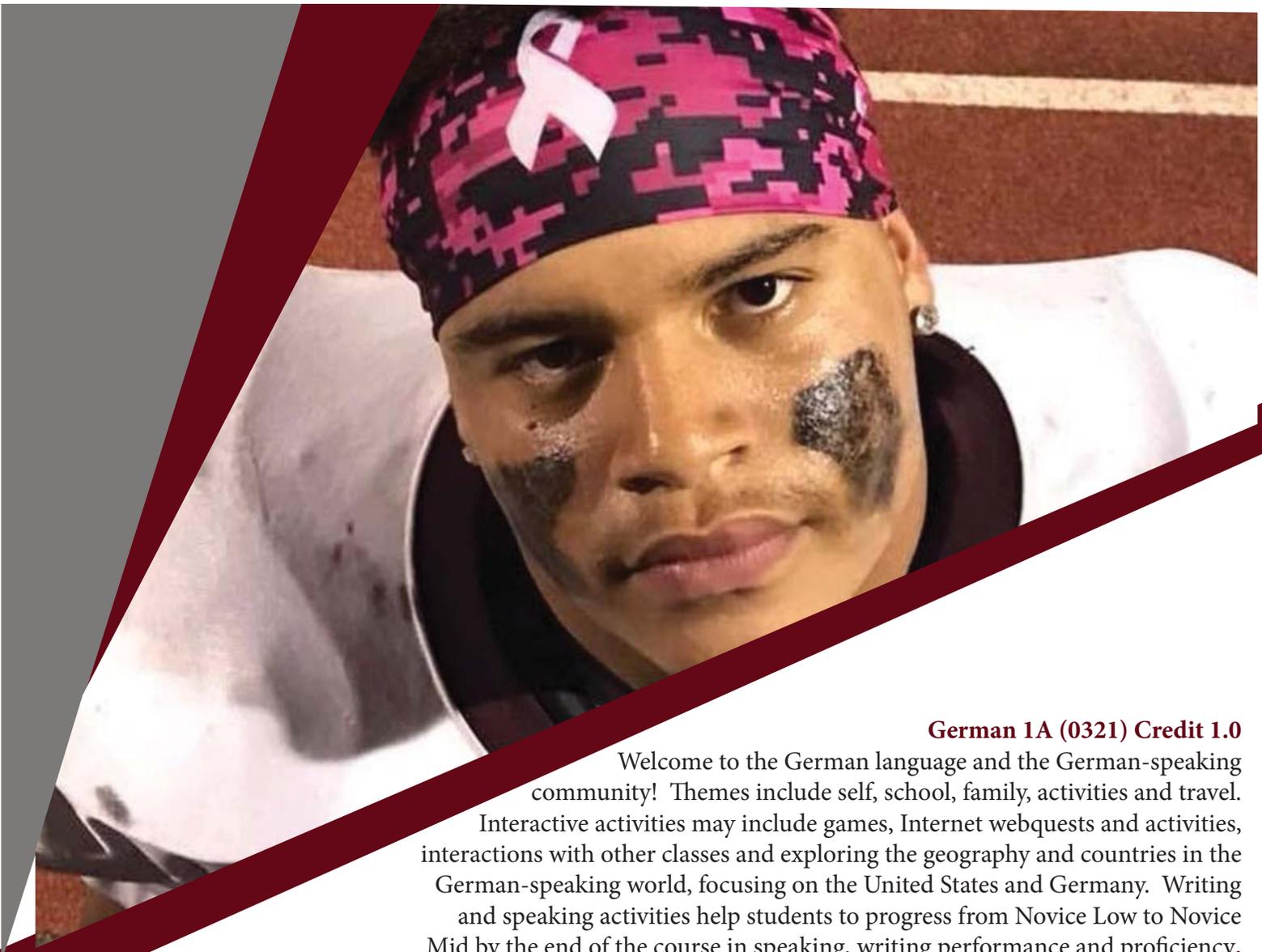
Students in French 5 AP will continue the study of increasingly complex themes which include world challenges, contemporary life, beauty and aesthetics, family and the community, personal and public identities, and science and technology. Students in 5 AP will follow the approved curriculum sequences. Writing and speaking activities will help students to progress within the Intermediate Range by the end of the course in speaking, writing performance and proficiency. Students planning to take French 5 AP will complete a summer assignment.

Prerequisite: Successful completion of French 4H or 4A and teacher recommendation.

French 5 ECE (Early College Experience) (0311)

Students in French 5 ECE will study literature, poetry, short stories and current events which include the themes of world challenges, contemporary life, beauty and aesthetics, family and the community, personal and public identities, and science and technology. Writing and speaking activities will help students to progress within the Intermediate Range during the course in speaking, writing performance and proficiency. This course must be taken for UCONN credit.

Prerequisite: Successful completion of French 4H, 4A or 5A and teacher recommendation.



German 1A (0321) Credit 1.0

Welcome to the German language and the German-speaking community! Themes include self, school, family, activities and travel. Interactive activities may include games, Internet webquests and activities, interactions with other classes and exploring the geography and countries in the German-speaking world, focusing on the United States and Germany. Writing and speaking activities help students to progress from Novice Low to Novice Mid by the end of the course in speaking, writing performance and proficiency.

German 2H/2A (0323)/(0324) Credit 1.0

Students in German 2H/2A will continue study of the German language through themes including celebrations, daily routines, food and shopping. Students continue to explore the geography and countries in the German-speaking world, focusing on other European countries such as Austria and Switzerland. Writing and speaking activities help students to progress within the Novice range by the end of the course in speaking, writing performance and proficiency.

Prerequisite: Successful completion of German 1A.

German 3H/3A (0325)/(0326) Credit 1.0

Students in German 3H/3A will study the themes of shopping, clothing, career and future plans, role models, clubs, German television, travel to Frankfurt, composers, celebrating holidays, restaurants and eating out. Authentic readings will include literature fragments as well as short stories and news articles. Writing and speaking activities help students to progress towards Intermediate Low by the end of the course in speaking, writing performance and proficiency.

Prerequisite: Successful completion of German 2H or 2A.

German 4H (0327) Credit 1.0

Students in German 4H will study world challenges, contemporary life, family and the community, and personal and public identities. Students may read a short novel and watch films supporting these themes. More complex writing and speaking activities help students to progress within the Intermediate Range by the end of the course in speaking, writing performance and proficiency. **Prerequisite:** Successful completion of German 3H and teacher recommendation.



Latin 1A (0350) Credit 1.0

Welcome to the Latin language! Students will analyze English words through the study of Latin prefixes, roots and suffixes. Students also learn about the Romans, the food they ate, their houses, communities and entertainment through a variety of activities, readings, translations and Internet webquests on Google Earth. Students will study Roman history from Rome's founding through the first century A.D. Short vocabulary, writing and reading assessments will help students to progress from Novice Low to Novice Mid by the end of the course in reading, writing performance and proficiency.

Latin 2H/2A (0351)/(0352) Credit 1.0

Students in Latin 2H/2A will continue learning grammatical rules in order to interpret simple readings from Roman authors. Students will learn more about the Roman culture, specifically through literature, Romans in Britain, the city of Alexandria, and the practice of Roman medicine through interactive activities such as games, readings and translations, Internet webquests on Google Earth, and comparisons and connections with the ancient Roman culture. Complex vocabulary, grammar translations, writing and reading assessments will help students to progress within the Novice range by the end of the course in reading and translation of Latin text.

Latin 3H/3A (0354)/(0355) Credit 1.0

Students in Latin 3H/3A further refine their study of Latin, utilizing advanced grammatical forms in order to interpret complex readings from Roman authors using written translations. Latin 3H/3A will expand students' vocabulary and provide a base to recognize cognates, derivatives and their meaning, and will connect the ancient past to our present time through the study of history and literature. Students will learn more about the Roman culture, the Bayeux tapestry, Roman Britain, and the influence of the Romans in Judea through interactive activities such as games, readings and translations, museum field trips and Internet webquests on Google Earth and other media. Complex vocabulary, short authentic stories, fables and historical excerpts, will help students to progress towards Intermediate Low during the course in reading, writing performance and proficiency.

Prerequisite: Successful completion of Latin 2H or 2A.

Latin 4H/4A (0357)/(0358) Credit 1.0

Students in Latin 4H/4A will study and interpret advanced grammatical forms in order to interpret increasingly complex readings from Roman authors of both the classical period and late antiquity, through both oral and written translations. Cultural topics may be determined by the students and teacher together. Students will continue to study Latin/English word derivatives and professional terminology rooted in Latin. Complex vocabulary acquisition, and writing and reading assessments will help students to progress within the Intermediate Range by the end of the course in reading, writing performance and proficiency. **Prerequisite:** Successful completion of Latin 3H or 3A.



Spanish 1A/1B/1C (0330)/(0331)/(0332) Credit 1.0

Welcome to the Spanish language and the Spanish-speaking community! Themes include self, school, family and activities. Interactive activities may include games, Internet webquests and activities, reading short novels and exploring the geography and countries in the Spanish-speaking world. Writing and speaking activities help students to progress from Novice Low to Novice Mid by the end of the course in speaking, writing performance and proficiency.

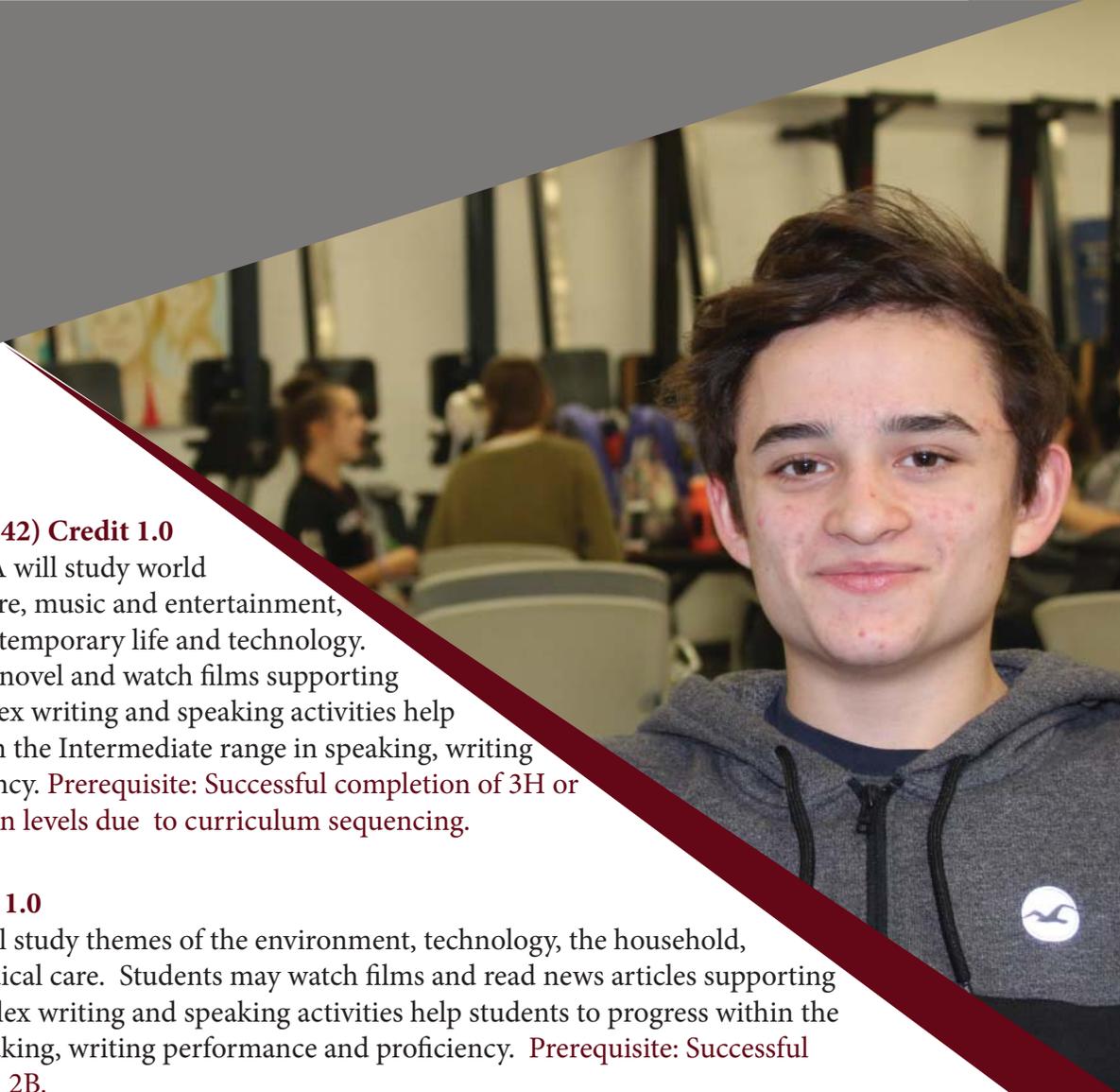
Prerequisite: Students who studied Spanish 1 in the middle school and wish to repeat the course should enroll in

Spanish 2H/2A (0333)/(0334) Credit 1.0

Students in Spanish 2H/2A will continue the study of the Spanish language through themes including vacations, celebrations, daily routines, food and shopping. Students continue to explore the geography and countries in the Spanish-speaking world. Writing and speaking activities help students to progress from Novice Mid to Novice High by the end of the course in speaking, writing performance and proficiency. Prerequisite: Successful completion of Spanish 1A or middle school Spanish 1. Movement between levels (i.e. 1B to 2A) may require summer work to be

Spanish 2B/2C (0335)/(0336) Credit 1.0

Students will continue study of the Spanish language through themes including activities, hobbies, vacations and celebrations. Students continue to explore the geography and countries in the Spanish-speaking world. Writing and speaking activities help students to progress within the Novice range during the course in speaking, writing performance and proficiency. Prerequisite: Successful completion of Spanish 1B or 1C.



Spanish 4H/4A (0341)(0342) Credit 1.0

Students in Spanish 4H/4A will study world challenges, art and literature, music and entertainment, health and well-being, contemporary life and technology. Students may read a short novel and watch films supporting these themes. More complex writing and speaking activities help students to progress within the Intermediate range in speaking, writing performance and proficiency. **Prerequisite:** Successful completion of 3H or 3A. No movement between levels due to curriculum sequencing.

Spanish 4B (0343) Credit 1.0

Students in Spanish 4B will study themes of the environment, technology, the household, city life, hospitals and medical care. Students may watch films and read news articles supporting these themes. More complex writing and speaking activities help students to progress within the Intermediate range in speaking, writing performance and proficiency. **Prerequisite:** Successful completion of 3B. Spanish 2B.

Spanish 5 ECE (Early College Experience) (0344) Credit 1.0

Students in Spanish 5 UCONN/ECE will study literature, poetry, short stories and current events which include the themes of world challenges, contemporary life, beauty and aesthetics, family and the community, personal and public identities, and science and technology. Writing and speaking activities will help students to progress within the Intermediate Range during the course in speaking and writing performance and proficiency. This course must be taken for UCONN credit. **Prerequisite:** Successful completion of Spanish 4H or 4A and teacher recommendation.

Spanish 5 AP (0346) Credit 1.0

Students in Spanish 5 AP will study the six AP themes - world challenges, contemporary life, beauty and aesthetics, family and the community, personal and public identities, and science and technology – through film, projects, literature analysis, news articles and current events. Students in the AP Course will follow the approved AP Spanish Language and Culture curriculum and will practice for the AP exam with sample test activities in order to be ready for the exam in May. Class activities will help students to progress within the Intermediate Range approaching the Pre-Advanced level by the end of the course in speaking, writing performance and proficiency. Students planning to take Spanish 5 AP will complete a short summer assignment.

Prerequisite: Successful completion of Spanish 4H or 4A and teacher recommendation.



SPECIAL EDUCATION

Special Education programs support those students identified through the Planning and Placement Team (PPT) process as having a disability defined by I.D.E.A. Special Education programs help students access the regular education curriculum while supporting each student's individual needs as identified in student's Individual Education Plan (I.E.P.). Students receiving special education services are determined eligible for services until exit criteria is met or as determined by the P.P.T. process. Special Education programs at East Lyme High School assist students in recognizing their unique individual abilities and learning styles, encourage each student to become independent life-long learners, and assist each student's transition from East Lyme High School to higher education and/or career opportunities.

Skill Building, Credits by arrangement

Resource room and behavior management programs are available to students identified as having special needs. Course content and credit are determined by the needs of the student. Skill building courses help prepare students for success in high school and for post-secondary education and/or employment. Students may obtain information about special education programs, eligibility, or the referral process from their counselor.



**East Lyme High School
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