PROGRAM OF STUDIES 2021-2022

Oceanside High School
Grades 9-12
400 Broadway
Rockland, ME 04841

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INTRODUCTION

Oceanside High School's Program of Studies serves as a resource for students, parents and faculty. Planning an individual student's high school career requires a cooperative effort between the student, his/her family, teachers and counselors. The Oceanside High School faculty and staff will provide assistance with course selections to help ensure the student's aspirations, prior achievements and interests are considered during the decision-making process. Students are encouraged to choose an appropriate program of studies and to evaluate that program each year with the support of their counselor and parent.

The Program of Studies outlines the following aspects of our high school program:

1. Graduation requirements
2. Explanation of Oceanside High School's diverse learning opportunities
3. Course descriptions, prerequisites and graduation standards covered within each course

If you have any questions, please contact our Student Services Department or an administrator:

Sue Snow – Registrar
Colin Malone – Counselor (students K-Z)
Susan Hood– Counselor (students A-J)
Jesse Bartke –Principal
Cooper Marshall- Assistant Principal

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GUIDANCE CONTACT INFORMATION

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GRADUATION REQUIREMENTS

The RSU 13 School Board recognizes the need to establish minimum standards for awarding a high school diploma that are consistent with State law and regulations, and with community educational value and expectations. Upon entering high school it is necessary for students to know the requirements that will apply to their class in order to plan an appropriate sequence of course offerings that meets graduation requirements.

The Superintendent, through the high school principal, shall be responsible for making accurate information concerning graduation requirements available to incoming students and their parents prior to selecting courses for ninth grade. This policy will be included in the student handbook and program of studies each school year. It is particularly important for students to note the requirements for the year in which they intend to graduate from high school in RSU 13.

Course	**Total Credits 24**	**Course**	**Total Credits**
English	4 credits	Health	**24**
Mathematics	3 credits	Physical	1 credit
Social Studies	3 credits	Education	1 credit
Science	3 credits including at least 1 credit in life science and 1 credit in physical science	Foreign Language	1 credit
		Visual and	1 credit
		Performing Arts	1 credit
		Community	50 hours
		Service	

Students will need to have a learning experience in English, math, science and technology every year they attend Oceanside High School. The class of 2021 will earn a proficiency-based

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diploma, which will require each student to demonstrate proficiency in all graduation standards, as determined by RSU #13.

A student must complete all requirements for a high school diploma before participating in graduation exercises.

TRANSFER AND DUAL CREDITS

Transfer Students: The high school principal will analyze transcripts to determine whether state and local graduation requirements are met. Testing may be required by the principal to determine the learning from previous experiences.

Homeschooled Students: Home-school students who wish to earn a diploma from RSU 13 will present transcripts and course syllabi of all previous credits earned. The high school principal will analyze these materials to determine whether State and local graduation requirements are met. Testing may be required by the principal to determine the learning from previous experiences.

College Classes: College classes may be taken for dual credit with **prior approval**. Please refer to the student handbook for more information.

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Midcoast School of Technology: Students attending the Midcoast School of Technology will receive the designated number of credits for the program upon satisfactory completion of the program.

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Other Considerations:

Early Graduation: A student who has met the State's and the RSU 13 Board's requirements for a high school diploma in fewer than four years of high school and who has had a plan for early graduation approved by the principal one year in advance of the intended graduation date may be awarded a diploma from RSU 13.

Extended Study: Students are eligible for extended years of study to complete the requirements of a diploma if they have not reached the age of 20 at the start of the school year. Students eligible for extended years of study may be referred to adult education or other resources suitable to young learners. Extended study for students with disabilities shall be specified in the student's Individualized Education Plan.

Courses taken in 8th grade: Students will receive advanced standing but not credit for high school classes completed before being enrolled in 9th grade with a grade of B or better. If State regulations change, this will be reconsidered by the RSU 13 school board.

COURSE LOAD

It is required that all freshmen, sophomores, and juniors take 8 credits per year. Colleges will look more favorably on candidates who carry full and challenging loads. Seniors must take a minimum of 6 credits

SCHOOL ATTENDANCE AND ATTENDANCE POLICY

At Oceanside High School we firmly believe that attendance is a critical component in the student's academic success and achievement. Please refer to the student handbook for the complete policy regarding attendance.

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COLLEGE ENTRANCE EXAM INFORMATION

Most colleges require that students take a college entrance exam. The Scholastic Aptitude Test (SAT) is offered at Oceanside High School on all test dates except August. The ACT assessment is a more subject based achievement test measuring performance in English, math, science and social studies. This test is not offered at Oceanside High School. Go to www.act.org for testing sites and dates. Both sophomores and juniors may choose to take the PSAT in October. Juniors will take the SAT in April and may also choose to take the SAT again at any test date. Many Maine public colleges and universities will require you to take a placement exam if your SAT scores do not meet their standards. The U Maine Augusta- Rockland Center requires a 480 or higher on the math SAT and a 500 or higher on the critical reading to be exempt from placement exams.

All SAT testing is currently suspended due to Covid-19.

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TESTING

REQUIRED TESTING BY THE STATE OF MAINE	YEAR	MONTH
MEA - Literacy and Math	8th Grade	May
MEA - Literacy and Math	Junior	May

OTHER AVAILABLE TESTS AND DATES	YEAR	MONTH
ACT – American College Testing	Junior & Senior	Sept., Oct., Dec., Feb., Apr., June *
SAT –Scholastic Aptitude Test	Junior & Senior	Aug*, Oct, Nov, Dec, Mar, May, June
PSAT-Preliminary Scholastic Aptitude	Juniors	October only
TESTING REQUIRED BY RSU 13		
NWEA – Northwestern Evaluation Association	9th, 10th	Fall/Spring

If you want to take the SAT or ACT go to their websites to see available test dates and sites as well as costs. Oceanside is not hosting Saturday SATs this year.
Collegeboard.com
Act.org

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POST HIGH SCHOOL EDUCATION EXPECTATIONS

Although requirements vary from college to college, each student is advised to consider the requirements below when choosing classes.

GENERAL REQUIREMENTS FOR MOST COMMUNITY AND FOUR YEAR COLLEGES

- 4 credits of English
- 2-3 credits of foreign languages (not needed for most community colleges)
- 3 credits of college preparatory mathematics including Algebra II
- 3 credits of social studies
- 2 credits of science with labs

COLLEGE REQUIREMENTS FOR MOST HIGHLY SELECTIVE COLLEGES

- 4 credits of English (Honors or AP if possible)
- 3-4 credits of foreign languages
- 4 credits of college preparatory mathematics (Honors or AP if possible)
- 3 credits of social studies
- 3-4 credits of laboratory sciences with lab if available and at the honors or AP levels.

GENERAL MINIMUM REQUIREMENTS FOR VOCATIONAL-TECHNICAL COLLEGES

(does not include community colleges)

- 4 credits of English
- 3 credits of social studies
- 3 credits or more of mathematics, preferably Algebra and Geometry
- 1 credit or more of laboratory science to include Biology

CAREER & TECHNICAL EDUCATION (CTE)

As part of our ongoing commitment to support all learners, we partner with the **Mid-Coast School of Technology (CTE)** to ensure that students have the opportunity to acquire the high-quality, industry-recognized technical skills and related academic standards that will prepare them for post-secondary education and entry into an ever-changing workplace and society. MCST empowers students at all academic levels to develop the attributes and skills necessary to become successful citizens, workers and leaders. MCST students have access to hands-on learning, career pathways, high school credits in science and art, college credit with Maine's post-secondary institutions, national industry certifications, employability skills, safety training and technical preparation."

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FRESHMAN ACADEMY:

Oceanside High School proudly offers our incoming freshman students a small, somewhat 'school within a school' community, designed to meet the distinctive needs of our students during the transition between middle school and high school. Freshman Academies are proven to support the academic, as well as the social and behavioral needs of freshman, who often struggle with the adjustment to high school. Freshman Academy at OHS will be committed to creating a safe environment for students in which risk taking and resilience will not only be the norm, but will be embraced. Teachers will have frequent communication with parents, informing parents of their child's progress, including attendance, behavior and social concerns. Goals of the Freshman Academy include, teaching skills, values and the mindset to not give up in the face of challenges, recognition of student success (both academic and non-academic), intentional focus on student engagement, modeling and teaching practical skills, work ethics and responsibility. Freshman Academy will create an inviting environment where students will want to be and return day after day.

DUAL ENROLLMENT

Dual Enrollment will provide our upperclassmen the opportunity to receive high school credit and college credit, while attending OHS. Classes offered will be exclusive for students desiring to receive college credit. Classes are yet to be determined, but will include general education courses, such as physics, chemistry, math and English.

Early College- ExploreEC

The Early College Program through the University of Maine system raises the educational aspirations of Maine's youth. High school juniors and seniors may take university courses tuition free, or at a greatly reduced rate, which count towards both college and high school credit. Eligible Students are Maine students currently attending Maine public high schools. Students must have school approval, parental approval, and a minimum high school GPA of B(85) or better. Students with lower GPAs may also apply with their school's approval. Students can take any academic course for which they have met the prerequisites as long as there is space available in the course. Students may enroll in a maximum of two courses (6 credits) per semester. Students should discuss applying with their counselor before applying. To apply and for more information go to. https://explorec.maine.edu/

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GRADUATION ENDORSEMENTS

LIBERAL ARTS ACADEMY:

This academy is an academic and experiential pathway intended to increase student understanding of the possibilities in pursuing study through Visual Performing Arts, Culture, and Humanities at Oceanside High School and into the future. Students will benefit through one-on-one mentoring with a faculty member, opportunities to explore Liberal Arts career paths through job shadowing and capstone experiences, and recognition for successful completion of advanced level coursework. To receive a Liberal Arts diploma endorsement, students must (1.) take challenging courses through the pathway of interest (see below for specific requirements), (2.) pursue a junior year job shadow experience and (3.) complete a senior year capstone project. Successful completion of the Liberal Arts endorsement will be recognized on the Oceanside High School Diploma, through official transcripts and by a cord that will be worn during the graduation ceremony to denote high academic achievement in Liberal Arts.

Liberal Arts Academy Graduation Requirements

Visual and Performing Arts	Culture Studies	Humanities
Incorporates an in-depth study of fine arts, music, and/or theatre.	Incorporates an in-depth study of world language and social studies.	Incorporates an in-depth study of English language arts and social studies.
*6 credits of Fine Arts courses including 2 different artistic areas and at least one course of which is an AP or Advanced course	*4 credits of Honors level Social Studies and *4 credits of World Language (language must be the same for all credits) *At least **one** of those courses in either content area must be an AP course.	*4 credits of Honors level Social Studies **with at least one** credit being AP and *4 credits of Honors level ELA with **at least 1** being AP credits.

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STEM ACADEMY

The STEM Academy is designed to increase student understanding of careers in the Science, Technology, Engineering and Mathematics field. STEM participants will benefit from taking challenging courses, at the Honors or Advanced Placement level in mathematics and science, in addition to one-on-one mentoring from a STEM Advisor. Career exploration includes participating in extended learning opportunities, job shadowing and a capstone experience consisting of an internship or research project. Successful completion of the STEM endorsement will be recognized on the Oceanside High School Diploma, the student's official transcripts and a white cord that will be worn during the graduation ceremony to denote high academic achievement in STEM.

Students can choose either a math or science concentration to meet the STEM Academy requirements:

Science Concentration Requirements

- 5 science credits; Honors level or higher (must include at least 1 AP level)
- 4 mathematics credits; Honors level or higher
- Extended Learning Opportunity
- Community Service with some STEM related connection
- Career Exploration (job shadows and capstone experience)

Math Concentration Requirements:

- 4 science credits; Honors level or higher
- 5 mathematics credits; Honors level or higher (must include 2 credits being AP level or 1 AP and 1 college level)
- Extended Learning Opportunity
- Community Service with some STEM related connection
- Career Exploration (job shadows and capstone experience)

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COURSE LEVELS

AP **ADVANCED PLACEMENT**
H **HONORS**

A primary goal of Oceanside High School is to offer a challenging range of courses while providing an equitable access to educational opportunity and support for meeting high standards. The levels of course offerings help to define our classes, but student selections are not restricted to just one level or program. Students will always be encouraged to select courses that will help them further their learning and reach their personal goals.

ADVANCED PLACEMENT – AP

Course at this level are based on the curriculum set forth by The College Board for Advanced Placement classes. Students may earn credit from the college they choose to attend when they send their scores to those colleges. Most colleges require a score of 3 or higher to grant credit. It is expected that each student enrolled in AP courses will take the AP exam for that class. The exams are held in May at a cost of $35.00 per test. The RSU will pay the remaining $56.00. Fee reductions are available for students who receive free or reduced lunch or meet the income guidelines set forth by The College Board. Summer work is required for all AP courses. If the summer work is not completed you will be asked to reschedule.

HONORS COURSE OFFERINGS – H

Courses at this level are based on a college preparatory curriculum but move at a faster pace and delve deeper into the subject matter. Students will be expected to demonstrate a more thorough level of understanding of the concepts introduced. Critical thinking skills and the ability to grasp complex ideas are required at this level. Students must be able to do extensive independent work outside and within the classroom.

WEIGHTING OF ADVANCED COURSES

Accelerated courses are weighted in determining a student's rank in class as follows: All numerical averages for accelerated courses (honors) will be multiplied by 1.05. College level classes taken at an accredited college or university during the 19-20 school year or later will be multiplied by 1.05. All numerical averages for AP courses will be multiplied by 1.075

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COURSE DESCRIPTIONS

STEM and Liberal Arts Academy

Course Title:	**Big Issues, Big Ideas I**	*Prerequisite:* **Must be in either STEM or Liberal Arts Academy, or in the Gifted and Talented program.**	
Course Number:	**SLA1000**	*Credit:*	**.5**

As members of your community, country, and world, you will be faced with many of the big issues that humanity has confronted throughout history in the areas of human rights, ethics, and the environment. In this interdisciplinary course, we will explore some of these issues and discuss how we as a society have responded, and then debate how we should respond. We will be using the annual Camden Conference topic along with having the opportunity to dig deeper into other possible topics such as: economic inequity, clean water rights, food insecurity, DNA manipulation, cloning, refugee issues, species extinction, environmental pollution, racism, etc. Our goal will be to have roundtable discussions around these big issues and big ideas, coming to a better understanding of our roles and responsibilities in the world around us, both locally and globally.

Course Title:	**Big Issues, Big Ideas II**	*Prerequisite:* **Must have take BIBI I**	
Course Number:	**SLA1002**	*Credit:*	**.5**

This is a semester long follow-up course to Big Issues, Big Ideas I. This course is about putting action to our words. Each student will pick a specific issue that they see as being a problem in our world - either nationally, internationally, or locally. They will Inform the group regarding that issue, and then make an action plan, or Big Idea, to address the issue. For those in Academy, depending on the final product, this would count as a Senior Capstone Project for your Academy endorsement.

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Course Title:	**Academy Capstone Project**	*Prerequisite:* **Senior/ STEM or LA Academy/ approval From Ms. Cross**	
Course Number:	**SLA1001**	*Credit:*	**.5**

Prerequisite: Must be a Senior in STEM or Liberal Arts Academy and have approval from Ms. Cross

The Academy Capstone Project course is an elective available to STEM and Liberal Arts Academy students during the first semester of their Senior year who wish to use the time to pursue an extended internship or to develop and complete a Capstone research project, if one has not been developed previously. Students will work with Ms. Cross to create individualized plans with Ms. Cross and then will utilize class time to go off campus for internships, or to research and complete projects.

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English

Note to All Students: Many English classes require summer reading. The reading assignment will be provided at the end of each year before the summer months. Individual teachers will be sure you are aware of your assignments.

Course Title:	**ELA 9**	*Prerequisite:*	
Course Number:	**ELA2081**	*Credit:*	**1**

This course offers an exploration and application of the literary side of English through short stories, drama, the novel, and literary terms. Students will practice writing persuasively and use MLA 8 guidelines. The analytical essay is the main focus of writing freshman year as it lays the foundation for writing in high school. Students will also extend their experience with narrative writing. This course provides an environment for independent thinking as well as collaborative and lively discussion, and an independent use of skills is expected as the year progresses. Students taking this course will have the opportunity to meet the graduation standards Reading Comprehension, Reading Interpretation, Writing Arguments, Writing Process, Writing Informational/Narrative Texts and Writing Research.

Course Title:	**ELA 9 Honors**			*Prerequisite:*			
Course Number:	**ELA2091**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

Honors English gets at the depth of literary application through the study of the classics. The analytical essay is the main focus of writing freshman year as it lays the foundation for writing in high school. Students will also extend their experience with narrative and persuasive writing. Student will develop and hone research skills including the appropriate use of MLA 8 guidelines. Independent application of skills is expected. Students taking this course will have the opportunity to meet the graduation standards Reading Comprehension, Reading Interpretation, Writing Arguments, Writing Process, Writing Informational/Narrative Texts and Writing Research.

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Course Title:	**ELA 10**	*Prerequisite:*	
Course Number:	**ELA2082**	*Credit:*	**1**

This course places emphasis on classic American literature through the use of short stories, novels, and a dramatic play. Skills explicitly taught include analysis and theme exploration through the use of class discussion and essays. Other areas of emphasis include
research, speeches, and presentation skills. In fact, public speaking is an integral part of the course in that it allows students the opportunity to show proficiency across multiple skill areas such as writing arguments, research, and presentation. Support and tiered instruction fosters student growth in these skills. Students taking this course will have the opportunity to meet the graduation standards Reading Comprehension, Reading Interpretation, Writing Arguments, Writing Research, Speaking and Listening Discussion and Presentation

Course Title:	**ELA 10 Honors**			*Prerequisite:*			
Course Number:	**ELA2092**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This course places emphasis on the complexities of classic American literature through the use of short stories, novels, and a dramatic play. Skills explicitly taught include class discussion approaches and essay skills to explore the multiple relationships that can be noted through analysis and theme. Other areas of emphasis include research, speeches, and presentation skills. In fact, public speaking is an integral part of the course in that it allows students the opportunity to show proficiency across multiple skill areas such as writing arguments, research, and presentation. Independence in applying these skills is essential in this honors course where students will expand on the skills outlined above. Students taking this course will have the opportunity to meet the graduation standards Reading Comprehension, Reading Interpretation, Writing Arguments, Writing Research, Speaking and Listening Discussion and Presentation. **Summer reading is required.**

Course Title:	**ELA 11**	*Prerequisite:* **English 9,10**	
Course Number:	**ELA2083**	*Credit:*	**1**

Junior English features study in World Literature and diverse, authentic written communication. Students study multiple genres of literature (fiction, non-fiction, drama, etc.) and write for various purposes and audiences. Students work individually and collaboratively to edit, produce, and publish documents. Students enrolled in this course will have the opportunity to meet graduation standards Reading Comprehension, Reading Interpretation, Writing Informative and Narrative Texts, Writing Argument, Writing Research, and Writing Process.

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Course Title:	**ELA 11 Honors**			*Prerequisite:* **English 9,10**			
Course Number:	**ELA2093**	*Level:* **H**		*Credit:*	**1**	*Weight:*	**1.05**

Honors requires the ability to grasp complex ideas, and the ability to see connections beyond the obvious. Critical thinking skills are emphasized. The course requires significant achievement in communication (writing, speaking, etc.) and commitment to the idea that rigor leads to higher-level learning. Students taking this course will have the opportunity to meet graduation standards Reading Comprehension, Reading Interpretation,Writing Argument, Writing Research, and Writing Process.

Course Title:	**English 12**	*Prerequisite:* **English 9, 10, 11**	
Course Number:	**ELA2084**	*Credit:*	**1**

Students will develop writing skills by examining text types and purposes. Students will write informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will conduct research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is designed to provide teacher support and scaffolding of skills. Students taking this course will have the opportunity to meet the graduation standards Writing Informative and Narrative Texts, Writing Process, Writing Research, Speaking and Listening: Discussion and Presentation.

Course Title;	**English 12 Honors**			*Prerequisite:* **English 9, 10, 11**			
Course Number:	**ELA2097**	Level:	**H**	Credit:	**1**	*Weight:*	**1.05**

Students will enhance writing skills by focusing on the college essay, conducting group research studies, and writing arguments to support claims among multiple texts. Students will hone their discussion and facilitation skills by participating in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and MLA format and will strengthen vocabulary acquisition and use. This course will focus on graduation standards Writing Informative and Narrative Texts, Writing Process, Writing Research, Speaking and Listening: Discussion and Presentation.

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Course Title:	**AP Literature**			*Prerequisite:*			
Course Number:	**ELA2095**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

This course is designed to prepare students for the AP English Literature exam given in May. Students will focus on the development/refinement of close reading skills through analysis of a work's structure, style, themes, figurative language, imagery, symbolism, and tone. Works read for this course will cover a broad range of genres and periods, but with a much greater appreciation for depth over breadth. The class will be structured on a discussion-based format with extensive timed in-class writing. Review sessions for the exam will be conducted in the spring. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for this test.**

Course Title:	**AP Language & Composition**			*Prerequisite:*			
Course Number:	**ELA2096**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for this test.**

Course Title:	**Yearbook- The Compass***	*Prerequisite:*	**Grades 11,12**
Course Number:	**ELA2004**	*Credit:*	**.5**

This **Fall** elective semester long class will focus on getting the annual Oceanside High School yearbook, The Compass, up and running. Students will be responsible for cover design, selling advertising, marketing sales of the yearbook throughout the high school, photography, section design and extensive graphics, writing and editing. **Seniors will be given priority for enrollment, followed by Juniors**. This will be a high energy, goal-oriented class that will be deadline driven. Class members will also be responsible for producing the school newspaper every 2 weeks. ***Note: Students wishing to finish producing the yearbook should also sign up for the second semester. After school work may be necessary on a limited basis.***

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Course Title:	**Journalism/Yearbook***	*Prerequisite:*	
Course Number:	**ELA2005**	*Credit:*	**.5**

This **Spring** semester long elective will introduce students to the world of news writing, including general news, feature, personality profile, sports, opinion, editorial, movie/music reviews and more. Students will also have the opportunity to provide photos. We will consider the ethics of journalism and the responsibility that comes with reporting. Class members will produce the school newspaper every 2 weeks and be responsible for meeting deadlines. Course is open to all grade levels. **If you are not deadline-oriented, this is not a class for you.**

Course Title:	**Harry Potter:Literary Allusion, Literature and Popular CultureA**	*Prerequisite:*	**None**
Course Number:	**ELA2006**	*Credit:*	**.5**

In this course, students will read novels in J.K. Rowling's Harry Potter series. They will read myths, legends and folktales on which they are based; and criticism written about the novels. The students will focus on literary terminology, literary allusion, literary merit and the public debates about the role of the humanities in contemporary culture.

Course Title:	**Literature and Film***	*Prerequisite:*	
Course Number:	**ELA2012**	*Credit:*	**.5**

Literature and Film explores the artistic mediums of both literature and film and their combined ability to convey messages and values to our society. The class explores the basics of filmmaking and analyzes them for effect in various films. A variety of themes are explored as they are depicted in text and then re-examined as they appear in film. Students will view films based upon literary works or based on the same idea as literary works. This half year, half credit elective course provides an opportunity for students to meet graduation standards Writing Argument and Writing Process.

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Course Title:	**Creative Writing***	*Prerequisite:*	
Course Number:	**ELA2040**	*Credit:*	**.5**

Creative writing is an important component of the English curriculum. It should stimulate the imagination, develop powers of observation, encourage self-expression and broaden understanding of the human condition. Creative writing provides a forum for students to compose, create, and produce a finished piece. Creative writing also practices basic writing skills such as sentence structure, word choice, style and the use of narration, description and dialogue. This half year, half credit elective course provides an opportunity for students to meet the graduation standards Writing Informative and Narrative Texts and Writing Research.

Course Title:	**Creative Writing II***	*Prerequisite:* **Creative Writing**	
Course Number:	**ELA2041**	*Credit:*	**.5**

Creative Writing II offers student writers an opportunity to explore additional genres while finely tuning their craft. Students will read and write satire, mystery, action/adventure, drama, and/or novel writing. Class lessons will more deeply focus on character development, setting, plot, and tone. Students will be encouraged to focus on detailed observations, dialogue, narrative style, and point of view. Students will have the option to produce a short novel. Creative Writing II provides a forum for students to compose, create, and produce a finished piece. This half year, half credit elective course provides an opportunity for students to meet the graduation standards Writing Informative and Narrative Texts and Writing Research.

Course Title:	**Poetry and Short Story***	*Prerequisite:*	
Course Number:	**ELA2015**	*Credit:*	**.5**

Poetry and Short Story class covers a wide range of poets and writers as well as their lives and time periods in which they lived. This course also discovers trends in writing over time, while offering students to explore their own writing styles. Through this course, students develop techniques for explicating, interpreting, and critiquing poetry. Students will produce a portfolio of their own work and will be encouraged to submit works for publication. This half year, half credit elective course provides an opportunity for students to meet the graduation standards Reading Comprehension and Reading Interpretation.

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Course Title:	**Dystopian Literature***	*Prerequisite:*	
Course Number:	**ELA2019**	*Credit:*	**.5**

Dystopian Literature will focus on utopian and dystopian literature and their historical connections. Students will read a variety of works from various cultures and time periods and will explore the components of a functioning society, while examining attempts to create utopian societies. Students will write creatively. This half year, half credit elective course provides an opportunity for students to meet the graduation standards Reading Comprehension and Reading Interpretation.

Course Title:	**Food and Water: The Essentials***	*Prerequisite:*	
Course Number:	**ELA2013**	*Credit:*	**.5**

This class will explore our ever-changing relationship with the food and water we consume. Students will be asked to write a number of essays (at least one a week) comparing/reviewing/analyzing/exploring food and water. The perspectives will adjust from that of the producer or harvester to that of the consumer or distributor. Each student will be responsible for selecting and preparing a dish (materials provided in class), writing a recipe, and, most importantly, providing an expository review of the dish prepared. Demonstrations and a culminating field trip to the Primo garden will be incorporated as well. This half year, half credit elective course provides an opportunity for students to meet the graduation standards in Reading Informational texts.

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Math

***denotes semester course and .50 credit**
 # This course counts as a math experience.

Special Note: Honor classes are tailored for high achieving students. To maintain the integrity and challenge of these classes it is important to uphold a high level of standards for the honor courses. To assure the success of each of the honor courses the math department has come up with specific criteria a student must meet to be eligible to enroll in these courses.
To qualify for any math honors level class the student must have:

- a minimum percentile of 85 on the NWEA
- an 85 or higher (numerical grade) in the previous year math course
- teacher recommendation
- students wanting to move from a college prep class to an honors level class must have a 93 or better in the college prep course

Special Note:
Students may not sign up for Integrated Math,Foundations of Algebra 1A or 1B, or Geometry Foundations. Students will be selected for these courses by their teachers.

Course Title:	**Math Lab***	*Prerequisite:* **Teacher Recommendation**	
Course Number:	**MAT2242**	*Credit:*	**0**

This course is designed to help students who are not currently at grade level math knowledge. The placement must be teacher recommendation only.

Course Title:	**Foundations of Algebra I A**	*Prerequisite: :* **Pre-Algebra or Integrated Math and Teacher Rec**	
Course Number:	**MAT2254**	*Credit:*	**1**

Foundations Algebra I A is the first year of a two year sequence introductory level Algebra I course. To be successful, students should have a good understanding of computational skills and problem-solving techniques. In Foundations Algebra I Part A, Students will be able to simplify algebraic expressions, use formulas, solve equations with one or more variables, and be able to write and graph linear equations and with an understanding of slope and y-intercept. This course covers the Algebra Standard. Teacher Recommendation ONLY.

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Course Title:	**Foundations of Algebra I B**	*Prerequisite: :* **Foundations of Algebra I A And Teacher Rec**	
Course Number:	**MAT2255**	*Credit:*	**1**

Foundations Algebra I B is the second year of a two year sequence introductory level Algebra I course. To be successful, students should have a good understanding of computational skills and problem-solving techniques. In Foundations Algebra I Part B students will strengthen their Algebra skills and learn to add, subtract, multiply and divide polynomials; to write, graph and solve inequalities in one variable; to factor polynomials and solve systems of linear equations and inequalities. This course covers the Algebra Standard. Teacher Recommendation ONLY.

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Course Title:	**Algebra I #**	*Prerequisite:* **Pre-Algebra**	
Course Number:	**MAT2280**	*Credit:*	**1**

To be successful students should have a good understanding of computational skills and problem-solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate algebraic concepts. Students will be able to simplify algebraic expressions, use formulas, solve equations with one or more variables, and be able to write and graph linear equations with an understanding of slope and y-intercept; to solve systems of equations by graphing, substitution, and algebraic elimination techniques; to add, subtract, multiply and divide polynomials; to factor binomials and trinomials and solve first and second-degree equations using this technique; to solve problems involving probability and statistics. Students will be able to analyze and solve word problems. This course covers the Algebra Standard.

Course Title:	**Algebra I- Honors #**			*Prerequisite:* **Pre-Algebra**			
Course Number:	**MAT2290**	Level	**H**	*Credit:*	**1**	*Weight*	**1.05**

This course will implement the same curriculum as the College Prep Algebra 1. However, the expectations for the accelerated level will include more independent work, more depth in topics studied and a faster pace.

To be successful students should have a good understanding of computational skills and problem solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively in groups as they investigate algebraic concepts. Students will be able to simplify algebraic expressions, use formulas, solve equations with one or more variables and be able to write and graph linear equations with an understanding of slope and y-intercept; to solve systems of equations by graphing, substitution and algebraic elimination techniques; to add, subtract, multiply and divide polynomials; to factor binomials and trinomials and solve first and second-degree equations using this technique; to solve problems involving probability and statistics. Students will be able to analyze and solve word problems. Students are expected to be independent with the skills after they are taught and in continuing to apply them. This course covers the Algebra Standard.

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Course Title:	**Geometry Foundations**	*Prerequisite:* **Algebra I and Teacher Rec**	
Course Number:	**MAT2264**	*Credit:*	**1**

Geometry Foundations is an introductory level Geometry course. Geometry is the study of geometrical relationships in a plane and in space and begins with the study of basic properties and terminology and progresses to the study of proof. To be successful students should have a good understanding of computational skills and problem-solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate geometric concepts.

Students will be able to understand and communicate using the language of geometry; to determine measurements and properties of two and three-dimensional figures, such as parallel lines, triangles, quadrilaterals, circles, pyramids, cones, prisms, and cylinders; use a given set of facts to calculate missing measurements using definitions, geometric theorems, postulates, and trigonometry; to write proofs; to use coordinate geometry to solve and prove statements; and to understand transformations. This course covers the Geometry Standard.

Course Title:	**Geometry #**	*Prerequisite:* **Algebra I**	
Course Number:	**MAT2281**	*Credit:*	**1**

Geometry is the study of geometrical relationships in a plane and in space and begins with the study of basic properties and terminology and progresses to the study of proof. To be successful students should have a good understanding of computational skills and problem-solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate geometric concepts.
Students will be able to understand and communicate using the language of geometry; to determine measurements and properties of two and three-dimensional figures, such as parallel lines, triangles, quadrilaterals, circles, pyramids, cones, prisms, and cylinders; use a given set of facts to calculate missing measurements using definitions, geometric theorems, postulates, and trigonometry; to write proofs; to use coordinate geometry to solve and prove statements; and to understand transformations. This course covers the Geometry Standard.

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Course Title:	**Geometry -Honors #**			*Prerequisite:* **Algebra I**			
Course Number:	**MAT2291**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This course will implement the same curriculum as the College Prep Geometry. However, the expectations for the accelerated level will include more independent work, more depth in topics studied and a faster pace.

Geometry is the study of geometrical relationships in a plane and in space and begins with the study of basic properties and terminology and progresses to the study of proof. To be successful students should have a good understanding of computational skills and problem-solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate geometric concepts.

Students will be able to understand and communicate using the language of geometry; to determine measurements and properties of two and three-dimensional figures, such as parallel lines, triangles, quadrilaterals, circles, pyramids, cones, prisms, and cylinders; use a given set of facts to calculate missing measurements using definitions, geometric theorems, postulates, and trigonometry; to write proofs; to use coordinate geometry to solve and prove statements; and to understand transformations. This course covers the Geometry Standard.

Course Title:	**Integrated Algebra #**	*Prerequisite:* **Algebra I, Geometry and Teacher Recommendation Grades 11,12**	
Course Number:	**MAT2253**	*Credit:*	**1**

Students will continue to explore the concepts of variables, terms, expressions, equations, and inequalities in the context of linear, quadratic, and exponential functions. Additionally, students will learn how to perform all the standard operations with polynomials, including fractions involving polynomials. Lastly, students will learn how to factor using different methods as well as solve linear and quadratic equations.

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Course Title:	**Algebra II Foundations #**	*Prerequisite:* **Algebra I**	
Course Number:	**MAT2265**	*Credit:*	**1**

Algebra II Foundations is an introductory level course. Algebra II continues the study of algebraic concepts that students learned in Algebra I. There will be a strong emphasis on SAT test preparation. To be successful, students should have a good understanding of computational skills and problem-solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate algebraic concepts.Students will be able to solve and graph algebraic equations including linear, quadratic, exponential, and logarithmic; to solve and graph inequalities; to simplify and evaluate algebraic expressions involving both rational and irrational numbers and powers; to use direct and inverse variation to solve problems; to add, subtract, multiply, and divide polynomials; to solve systems of equations and inequalities; to add, subtract, and multiply matrices; to use matrices to solve systems of equations and to represent transformations; to understand functions and their inverses; and to solve trigonometric problems involving all types of triangles. This course covers Functions, Numbers and Quantities, and Statistics and Probability.

Course Title:	**Algebra II #**	*Prerequisite:* **Algebra I**	
Course Number:	**MAT2282**	*Credit:*	**1**

Algebra II continues the study of algebraic concepts that students learned in Algebra I. There will be a strong emphasis on SAT test preparation. To be successful, students should have a good understanding of computational skills and problem-solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate algebraic concepts.Students will be able to solve and graph algebraic equations including linear, quadratic, exponential, and logarithmic; to solve and graph inequalities; to simplify and evaluate algebraic expressions involving both rational and irrational numbers and powers; to use direct and inverse variation to solve problems; to add, subtract, multiply, and divide polynomials; to solve systems of equations and inequalities; to add, subtract, and multiply matrices; to use matrices to solve systems of equations and to represent transformations; to understand functions and their inverses; and to solve trigonometric problems involving all types of triangles. This course covers Functions, Numbers and Quantities, and Statistics and Probability.

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Course Title:	**Algebra II-Honors #**			*Prerequisite:* **Algebra I**			
Course Number:	**MAT2292**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This course will implement the same curriculum as the College Prep Algebra II. However, the expectations for the accelerated level will include more independent work, more depth in topics studied, and a faster pace.

Algebra II continues the study of algebraic concepts that students learned in Algebra I. There will be a strong emphasis on SAT test preparation. To be successful students should have a good understanding of computational skills and problem solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate algebraic concepts.
Students will be able to solve and graph algebraic equations including linear, quadratic, exponential, and logarithmic; to solve and graph inequalities; to simplify and evaluate algebraic expressions involving both rational and irrational numbers and powers; to use direct and inverse variation to solve problems; to add, subtract, multiply, and divide polynomials; to solve systems of equations and inequalities; to add, subtract, and multiply matrices; to use matrices to solve systems of equations and to represent transformations; to understand functions and their inverses; and to solve trigonometric problems involving all types of triangles. This course covers Functions, Numbers and Quantities, and Statistics and Probability.

Course Title:	**Advanced Math #**	*Prerequisite:* **Algebra II**	
Course Number:	**MAT2286**	*Credit:*	**1**

This course explores and applies discrete mathematics. Course topics include linear and quadratic functions, polynomial functions, exponents and logarithms, trigonometry, and sequence and series. Students will be able to graph linear, quadratic, polynomial, trigonometric and logarithmic functions. Students will solve polynomial equations of second, third and fourth degree. Students will also be able to solve exponential and logarithmic equations. Students should have a strong background in the use of a TI-83 or TI-84 graphing calculator.

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Course Title:	**Pre-Calculus -Honors #**			*Prerequisite:* **Algebra II**			
Course Number:	**MAT2293**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This is a pre-calculus course and explores and applies discrete mathematics. To be successful students should have a good understanding of computational skills and problem solving techniques. Mathematical modeling and applications to real-world situations will be emphasized. Students will be expected to work collaboratively as they investigate algebraic concepts.
Students will be able to graph, solve, and analyze linear, quadratic, polynomial, power, rational, exponential, logistic, trigonometric and logarithmic functions. Students should have a strong background in the use of a TI-83 or TI-84 graphing calculator. Students will be introduced to the Calculus concepts of limits, derivatives, and antiderivatives.

Course Title:	**Calculus -Honors #**	*Prerequisite:* **Pre-Calculus-H or permission of teacher**	
Course Number:	**MAT2990**	*Credit:*	**1**

Course topics include limits and their properties, differentiation, applications of differentiation, integration, methods of integration, applications of integration, logarithmic and exponential functions, and trigonometric functions.

Juniors will be permitted to take one AP math class their Junior year and one their Senior year

THIS COURSE WILL NOT RUN IN THE 2021-2022 SCHOOL YEAR.

Course Title:	**Calculus AB (AP) #**			*Prerequisite:* **Pre-Calculus**			
Course Number:	**MAT2294**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

AP Calculus is a mathematics course for students who have completed a four-year math sequence. This course is a college-level course and is geared for students who are highly self-motivated. The syllabus will follow the College Board requirements. All students will be expected to take the AP Calculus exam in May. Course topics include limits and their properties, differentiation, applications of differentiation, integration, methods of integration, applications of integration, logarithmic and exponential functions, and trigonometric functions. All topics are studied in depth and extensive AP exam prep will be an integral part of this course. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for this test.**

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Course Title:	**Calculus BC (AP) #**			*Prerequisite:* **Calculus AB**			
Course Number:	**MAT2296**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

This course is a college-level course and is geared for students who are highly self-motivated. The syllabus will follow the College Board requirements. It is expected that each student enrolled in AP courses will take the AP exam for that class. All topics are studied in depth and extensive AP exam prep will be an integral part of this course. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for this test.**

Juniors will be permitted to take one AP math class their Junior year and one their Senior year

This course will not run in the 2021-2022 school year.

Course Title:	**AP Statistics (AP) #**			*Prerequisite:* **Algebra II and Pre-Calculus Teacher Recommendation**			
Course Number:	**MAT2297**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. 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. **It is expected that each student enrolled in AP courses will take the AP exam for that class. The exams are held in May. There is a fee for this test. For a full description visit**
http://apcentral.collegeboard.com/apc/public/repository/ap-statistics-course-description.pdf
TEACHER RECOMMENDATION IS REQUIRED.

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Course Title:	**Intro to Probability and Statistics *#**	*Prerequisite:* **Algebra I and Geometry**	
Course Number:	**MAT2003**	*Credit:*	**.50 - Math Elective**

Students learn counting methods, probability, descriptive statistics, graphs of data, the normal curve, statistical inference, and linear regression. Proficiency is measured through frequent online and offline assessments, as well as asynchronous discussions. Problem-solving activities provide an opportunity for students to demonstrate their skills in real-world situations.

Course Title:	**Real World Math #***	*Prerequisite:*	
Course Number:	**MAT2204**	*Credit:*	**.50 Math Elective**

Personal finance covers resumes, interviews, I-9s, W-4s to checks, taxes, budgeting, contracts, investments, and retirement. The focus is on the students' own decision making ability given the facts on these subjects. This course covers the Numbers and Quantity Standards.

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Science

***denotes semester course and .50 credit**
 # This course counts as a science & technology experience.

Course Title:	**Earth Science-Grade 9 #**	*Prerequisite:*	
Course Number:	**SCI2381**	*Credit:*	**1**

Earth Science is a laboratory science course that explores origins and the connections between the physical, chemical, and biological processes of the earth system. The content of Earth Science is taught through inquiry-based laboratory investigations and focus on topics associated with matter, energy, systems, cosmic evolution and structure, cycles, biogeochemical processes, and the expanded time scales needed to understand events in the earth system. Earth Science provides the knowledge, skills, and habits of mind needed for problem solving and ethical decision-making about scientific and technological issues. This course covers the standards Earth Space and the Universe and Earth Systems.

Course Title:	**Earth Science -Honors-Grade 9 #**			*Prerequisite:*			
Course Number:	**SCI2391**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This course includes all topics covered in Earth Science with additional content included throughout. Most topics will be explored in greater depth utilizing applications in mathematics, and conducting more complex and extended labs, homework, and assessments. This course covers the standards Earth Space and the Universe and Earth Systems. This course covers the standards Earth Space and the Universe and Earth Systems.

Course Title:	**Earth Science -CP**	*Prerequisite:* **Teacher Recommendation**	
Course Number:	**SCI2368**	*Credit:*	**1**

Earth Science is a laboratory science course that explores origins and the connections between the physical, chemical, and biological processes of the earth system. The content of Earth Science is taught through inquiry-based laboratory investigations and focus on topics associated with matter, energy, systems, cosmic evolution and structure, cycles, biogeochemical processes, and the expanded time scales needed to understand events in the earth system. Earth Science provides the knowledge, skills, and habits of mind needed for problem solving and ethical decision-making about scientific and technological issues. This course covers the standards Earth Space and the Universe and Earth Systems.

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Course Title:	**Biology in the Community #**	*Prerequisite:* **Earth Science and Teacher Recommendation**	
Course Number:	**SCI2367**	*Credit:*	**1**

Biology in the Community is a year long laboratory course designed for students not intending to major in a science related field. The introductory biology course will help students realize the important role that biology plays in their personal and professional lives, especially within our marine community. Biology in the Community is a student-centered, activity based, issues-oriented biology course that encourages small group learning. Biology in the Community will cover the following standards: Structure, Function, and Information Processing; Matter and Energy in Organisms and Ecosystems; Growth, Development, and Reproduction of Organisms, Natural Selection, and Adaptations. This course requires teacher recommendation.

Course Title:	**Biology #**	*Prerequisite:* **Earth Science**	
Course Number:	**SCI2382**	*Credit:*	**1**

This course includes the study of foundations of biology, cell biology, ecology, genetics, and evolution. Class content is derived from State and National standards in science. This class is based on selected readings, laboratory work, cooperative skills, independent research, and lecture. Students are expected to demonstrate proficiency in all content areas and are required to share in the responsibility for their own learning. Assessment will be based on homework assignments, laboratory write-ups, quizzes, tests, papers, projects, etc. This course covers the following standards: Structure, Function, and Information Processing; Matter and Energy in Organisms and Ecosystems; Growth, Development, and Reproduction of Organisms, Natural Selection, and Adaptations.

Course Title:	**Biology- Honors #**			*Prerequisite:* **Earth Science**			
Course Number:	**SCI2392**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This course includes the study of foundations of biology, cell biology, ecology, genetics, and evolution. Class content is derived from NGSS. This class is based on selected readings, laboratory work, cooperative skills, independent research and lecture. Most topics will be explored in greater depth utilizing applications in mathematics, and conducting more complex and extended labs, homework, and assessments. Students are expected to demonstrate proficiency in all content areas and are required to share in the responsibility for their own learning. Assessment will be based on participation, homework assignments, laboratory write-ups, quizzes, tests, papers, and projects. This course goes beyond proficiencies for NGSS. This course covers the following standards: Structure, Function, and Information Processing; Matter and Energy in Organisms and Ecosystems; Growth, Development, and Reproduction of Organisms, Natural Selection, and Adaptations.

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Course Title:	**Chemistry in the Community* #**	*Prerequisite:* **Biology and Teacher Recommendation**	
Course Number:	**SCI2361**	*Credit:*	**.50**

Chemistry in the Community is a semester laboratory course designed for students not intending to major in a science related field. The introductory chemistry course will help students realize the important role that chemistry plays in their personal and professional lives, especially within our marine community. Chemistry in the Community is a student-centered, activity based, issues-oriented chemistry course that encourages small group learning. Chemistry in the Community will cover the standard Structures and Properties of Matter. This course requires teacher recommendation.

Course Title:	**Physics in the Community * #**	*Prerequisite:* **Biology and Teacher Recommendation**	
Course Number:	**SCI2362**	*Credit:*	**.5**

Physics in the Community is a semester laboratory course designed for students not intending to major in a science related field. The introductory physics course will help students realize the important role that physics plays in their personal and professional lives, especially within our marine community. Physics in the Community is a student-centered, activity based, issues-oriented physics course that encourages small group learning. Physics in the Community will cover the standard Forces, Interactions, Energy and Wave. This course requires your teacher recommendation.

Course Title:	**Physics I- Forces**	*Prerequisite:*	
Course Number:	**SCI2371**	*Credit:*	**.50**

Physics I is a conceptual and laboratory-based course focused on the following core topics: chemical, electrical, mechanical and nuclear energy, motion, and electromagnetic radiation. Students will observe natural phenomena, design and conduct investigations, and construct explanations. Instruction will focus on developing student understanding in a proficiency-based approach. This course covers the standard Forces, Interactions, Energy and Waves.

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Course Title:	**Physics II-Energy**	*Prerequisite*:			
Course Number:	**SCI2372**	*Credit:*	**.50**	*Weight:*	**1**

Physics II will explore mechanical forces through inquiry based labs. Students will learn about Newton's laws, magnetism, and atomic structure. Students will observer natural phenomena, design and conduct investigations, develop models, and construct explanations. Instruction will focus on developing a deeper understanding of physics in the world around us. This course covers the standard Forces, Interactions, Energy and Waves.

Course Title:	**Chemistry I* #**	*Prerequisite:* **Biology**			
Course Number:	**SCI2385**	*Credit:*	**.50**	*Weight:*	**1**

Chemistry I is a laboratory-based course focused on the following core topics: properties of matter; chemical processes; nuclear chemistry; properties of waves; electromagnetic radiation and frequencies of light for atoms. Scientific knowledge will be gained from observing natural phenomena and by designing and conducting investigations. Instruction will focus on developing student understanding in a proficiency-based approach. This course covers the standard Structures and Properties of Matter.

Course Title:	**Chemistry II *#**	*Prerequisite:* **Chemistry I**			
Course Number:	**SCI2383**	*Credit:*	**.50**	*Weight:*	**1**

Prerequisites- Chemistry I

Chemistry II will build upon the Chemistry I topics, expanding on the student's knowledge of conservation of matter to include stoichiometry. Additional topics include: solutions, acid-base reactions and organic chemistry. Science knowledge will be gained from observing natural phenomena and by designing and conducting investigations. Instruction will focus on developing deep understanding of topics. This course covers the standard Structures and Properties of Matter.

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Course Title:	**Chemistry -Honors #**			*Prerequisite:* **Biology**			
Course Number:	**SCI2393**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

Chemistry is a laboratory-based course focused on preparing students for further studies in the sciences upon graduation. Concepts will be taught using a mathematical approach for the following topics: properties of matter; chemical processes; stoichiometry, thermodynamics, nuclear chemistry; properties of waves; electromagnetic radiation, frequencies of light for atoms. Scientific knowledge will be gained from observing natural phenomena and by designing and conducting investigations. Instruction will focus on developing student understanding in a proficiency-based approach. This course covers the standard Structures and Properties of Matter.

Course Title:	**Physics-Honors #**			*Prerequisite:* **Biology**			
Course Number:	**SCI2394**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

Physics I & II is a laboratory-based course focused on preparing students for further studies in the sciences upon graduation. Concepts will be taught using a mathematical approach for the following topics: mechanics and energy of macroscopic objects; chemical, electrical, and mechanical and nuclear energy; properties of waves; electromagnetic radiation, thermodynamics, optics and the information technologies related to wave transmission. Scientific knowledge will be gained from observing natural phenomena and by designing and conducting investigations. Instruction will focus on developing student understanding in a proficiency-based approach, allowing students to advance at a faster pace and earn an Honors level credit. This course covers the standard Forces, Interactions, Energy and Waves. ***This course and be a math or a science experience.***

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Course Title:	**AP Biology #**			*Prerequisite:* **Honors Biology and Honors Chemistry**			
Course Number:	**SCI2397**	*Level:*	**AP**	*Credit:*	**2**	*Weight:*	**1.075**

Honors Chemistry may be taken concurrently. This course includes the study of foundations of biology, cell biology, ecology, genetics, and evolution. This class is based on selected readings, laboratory work, cooperative skills, independent research and lecture. Most topics will be explored in greater depth, utilizing applications in mathematics and conducting more complex and extended labs, homework, and assessments. The pace and rigor of this course are designed for students who have a deep interest in science and want to develop an understanding that is beyond the State and National standards. Students are expected to demonstrate proficiency in all content areas and are required to share in the responsibility for their own learning. Assessment will be based on participation, homework assignments, laboratory write-ups, quizzes, tests, papers, and projects. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for the AP test. This course will run 2022-2023.**

Course Title:	**AP Environmental Science #**			*Prerequisite:* **see below**			
Course Number:	**SCI2401**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

Preferred Prerequisites: Honors Chemistry and CP or Honors Biology; Alternative Co-requisite: Chemistry

The goal of the AP Environmental Science course is to provide 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 human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving or preventing them. Content includes: Earth Systems and Resources, The Living World, Population, Land and Water Use, Energy Resources and Consumption, Pollution, and Global Change. Students will be required to actively participate in all reading assignments, lectures, discussions, lab and field activities that are conducted throughout the year. Significant amounts of reading and work outside of class time are required. Assessment will be based on homework assignments, labs, and tests modeled after the AP exam. It is expected that each student enrolled in AP courses will take the AP exam for that class. This course covers the standard Earth Systems. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for the AP test.**

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Course Title:	**AP Chemistry #**			*Prerequisite:* **Chemistry & Algebra II**			
Course Number:	**SCI2400**	*Level:*	**AP**	*Credit:*	**2**	*Weight:*	**1.075**

This is an advanced placement course designed to prepare the student for the AP Chemistry exam. The course covers the equivalent of one full year of college level General Chemistry. Students will be exposed to sophisticated chemical principles and fundamental laboratory technique. The central objective of the course is for students to connect the macro scale to the nanoscale. Students will demonstrate these connections symbolically, graphically, and mathematically throughout the course.Topics covered include: stoichiometry, chemical bonding, atomic structure, states of matter, kinetics, solutions and acid-base equilibrium. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for the AP test.**

Course Title:	**AP Physics I #**			*Prerequisite:* **Algebra II**			
Course Number:	**SCI2398**	*Level:*	**AP**	*Credit:*	**2**	*Weight:*	**1.075**

This is an advanced placement course designed to prepare the student for the AP Physics 1 exam. AP Physics 1 is equivalent to a first-semester introductory, algebra-based, college physics course. AP Physics 1 is designed to provide students with an opportunity to develop a deep understanding of sophisticated physics principles through inquiry-based laboratories and mathematical representations. Topics covered include: Newtonian mechanics, work, conservation of energy, power, mechanical waves and sound. This course covers the standard Forces, Interactions, Energy and Waves. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for the AP test.**

Course Title:	**Intro. To the Human Body and Common Diseases**			*Prerequisite:* **Biology**			
Course Number:	**SCI1004**	*Level:*		*Credit:*	**.5**	*Weight:*	**1.00**

This is an introduction to human body systems and associated common disorders. This course counts towards your third required science.

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Course Title:	**Anatomy and Physiology-Honors #**			*Prerequisite:* **Biology & Chemistry**			
Course Number:	**SCI2395**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This is a rigorous college-level course that focuses on the structures and functions of the different systems that make up the human body. Students will develop their problem solving skills and use the scientific process to study the following topics: the structure and function of various systems at the chemical, cellular, tissue, and systemic levels of organization. All of the human systems will be covered in this course. Prerequisite: ***College Prep or Honors Biology, Chemistry completed or taken concurrently, or instructor permission.*** **This course is offered every odd year. Available 2021-2022.**

Course Title:	**Forensic Science *#**	*Prerequisite:* **Biology**	
Course Number:	**SCI2305**	*Credit:*	**.50 Science Elective**

Forensic Science is an integrative course that uses concepts from many scientific fields to solve mysteries and assist in legal investigations. Forensic scientists identify, analyze, and evaluate physical evidence. There is a strong emphasis on using the scientific method including development of testable hypotheses, methodical collection of data, careful laboratory analysis, organized record keeping, critical thinking to evaluate the data and draw conclusions, and effective presentation of the results.
In this class, students will participate in activities which use a variety of techniques used by forensic scientists including analysis of soils, fibers, took marks and other impressions, chemical content, hair, blood, fingerprints, tracks, bones, and DNA fingerprinting. Assessment will be based on participation, reports, and tests.

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Course Title:	**Environmental Science Issues: In Depth Studies***	*Prerequisite:* **Earth Science**	
Course Number:	**SCI2376**	*Credit:*	**1**

This course will be based on current environmental topics of local, regional, national, and international interest. Students will have input on the topics that will be covered during the semester. The approach will be to select topics of interest to the students and then learn about the science, and socio-economic issues related to the issue. We will study the issues through media articles, science textbooks and other science resources, labs, field studies (when possible), guest speakers, interviewing local people with expertise and knowledge of the issues, etc. The workload will include writing up notes, lab analysis, summarizing the different sides of the issues, position papers, and debates. Possible topics for 2020/2021 may include the proposed salmon farm in Belfast, the proposed eel farm in Waldoboro, restrictions on shrimp and herring harvest in the Gulf of Maine, issues affecting local fisheries such as the proposed changes to lobstering gear to protect right whales, the effects of climate change on fisheries in the Gulf of Maine, the proposed Clean Energy Corridor in western Maine, whether or not the United States should rejoin the Paris Climate Accord, whether or not public lands in the United States should be opened up for more mining, etc.

Course Title:	**Oceanography*#**			*Prerequisite: Biology and Earth Science*			
Course Number:	**SCI2378**	*Level:*		*Credit:*	**.50**	*Weight:*	

This course can count toward your three required credits.

Course description: Oceanography is a semester long class that explores the physical, chemical, geological, and biological systems in the ocean. Through activities, inquiry, discussions, and research projects, students will gain a better understanding of the oceans and how the oceans impact their lives. Students will learn about tides, ocean circulation, coastlines, and the role the ocean plays in Earth's climate. After learning the background knowledge, students will explore the relationship of humans to our oceans by learning more about coral bleaching, fisheries management, and coastal development. Students will leave Oceanography having a better understanding of the Earth's oceans and the role they play in our lives.

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Course Title:	**Science Research and The State Science Fair**	*Prerequisite:* **Biology & Earth Science**	
Course Number:	**SCI2377**	*Credit:*	**1**

Credit Level: college prep/honors level (in once section, but different levels of credit could be earned based on the depth of knowledge and participation of the students). To earn honors level credit, the students must meet the deadlines for entering the Maine State Science Fair, and participate in the science fair, which is on a Saturday in the spring.

Course Description: This full year course begins with learning about how scientists go about selecting a topic of study, doing a literature review to determine what is known about the topic, and select research questions. We can then move on to designing experiments to answer the questions, developing a research proposal, presenting the proposal to the class to get feedback to revise and improve the study plan, conducting the research, analyzing data, presenting results, making conclusions, and ultimately presenting the finished research at the Maine State Science Fair in the spring. After the science fair is over, students will work on a group research project that hopefully can be continued in future years so that a long-term data set can be created.

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Social Studies

***denotes semester courses**

Course Title:	**U.S. History I**			*Prerequisite:*			
Course Number:	**SOC2184**	*Level:*	**CP**	*Credit:*	**1**	*Weight:*	**1.0**

U.S. History I will provide a comprehensive study of American History covering the time period between 1500-1890's. Topics studied in depth will include exploration, colonization, the American Revolution, the U.S.Constitution, Westward Expansion, and the Civil War. Students will participate in a variety of learning activities to learn about the foundations of America. Discussions, simulations, note taking, projects, reading both primary and secondary sources and writing will all be part of lessons. Students will also read a novel to enhance their understanding of the time periods.

Course Title:	**U.S. History I- Honors**			*Prerequisite:* **Teacher Recommendation**			
Course Number:	**SOC2198**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

U.S. History I will provide a comprehensive study of American History covering the time period between 1500-1890's. Topics studied in depth will include the exploration, colonization, the American Revolution, the Constitution, Westward Expansion, the Civil War, and Reconstruction. Students will participate in a variety of learning activities to learn about the foundations of America. Discussions, Simulations, note taking, projects, reading both primary and secondary sources and writing will all be part of lessons. Students will also read several novels to enhance their understanding of the time periods.

Course Title:	**U.S. History II**	*Prerequisite:* **U.S. History I**	
Course Number:	**SOC2185**	*Credit:*	**1**

U.S. History will present an overview of events that have shaped 20th Century American history from the social, political, and economic points of view. This course will begin with the Gilded Age (1890s),and cover Imperialism, the Great Depression, Civil Rights, and the effects of 20th Century wars and conflicts. Students will be expected to read for content, compare and contrast historical events and periods, participate in historical discussions, and develop a sense of history for themselves, their state, and their nation. This course will cover the following standards: Applications of Social Studies Processes, Civic Engagement, and History.

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Course Title:	**U.S. History II- Honors**			*Prerequisite:* **U.S. History I Honors and acher recommendation**			
Course Number:	**SOC2199**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

U.S. History will present an overview of events that have shaped 20th Century American history from the social, political, and economic points of view. This course will begin with the Reconstruction period and continue through the Gilded Age (1880s), Imperialism, the Great Depression, Civil Rights, and the effects of 20th Century wars and conflicts. Students will be expected to read and analyze primary and secondary sources, identify, compare, and evaluate multiple perspectives on a given historical event in order to draw conclusions about historical events and periods, participate in historical debates, and develop a sense of history for themselves, their state, and their nation. Independence in applying these skills is essential in this honors course where students will expand on the skills outlined above. This course will cover the following standards: Applications of Social Studies Processes, Civic Engagement, and History.

Course Title:	**Government and Economics**	*Prerequisite:* **U.S. History I & II**			
Course Number:	**SOC2183**	*Credit:*	**1**	*Weight:*	**1.0**

This course involves an examination of the development of American government through a careful study of the U. S. Constitution, as well as local, state, and world governments. Students will gain an understanding of political systems, citizenship, and the importance of representative democracy. Economics combines the study of economic principles with applications pertaining to consumer economics in today's world. An emphasis will be on evaluating how various economies affect and relate to the culture and government systems of the world. In addition, Personal Consumer Economics will teach banking, investments, and other important topics. This course will cover the following standards: Applications of Social Studies Processes, Civic Engagement, Civics and Government, and Economics.

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Course Title:	**Government and Economics-Honors**			*Prerequisite:* **U.S. History I & II Honors**			
Course Number:	**SOC2193**	*Level:*	**H**	*Credit:*	**1**	*Weight:*	**1.05**

This course involves an extensive examination of the development of American government through a careful study of the U. S. Constitution, as well as local, state, and world governments. Students will gain an understanding of political systems, citizenship, and the importance of representative democracy. Economics combines the study of economic principles with applications pertaining to consumer economics in today's world. An emphasis will be on evaluating how various economies affect and relate to the culture and government systems of the world. Personal Consumer Economics will teach banking, investments, and other important consumer topics. Essay writing, research papers, and an excellent work ethic are required for the Honors level student. This course will cover the following standards: Applications of Social Studies Processes, Civic Engagement, Civics and Government, and Economics.

Course Title:	**AP U.S. History**			*Prerequisite:* **Teacher recommendation**			
Course Number	**SOC2194**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

This year-long course studies the political, diplomatic, social, economic, and cultural development of the United States. The first semester will cover colonization through the Civil War and Reconstruction. The second semester will cover from the late 19th century through the 20th century. Students are expected to do extensive reading and writing in preparation for the AP exam given in the spring. They will also be expected to engage in additional outside reading and writing that stresses interpretation, historiography, and documents-based analysis. Work will be graded at the college level. Students will also complete a major research project in the spring after the AP exam. This course will cover the following standards: Applications of Social Studies Processes, Civic Engagement, and History. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. The exams are held in May. There is a fee for the AP test.**

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Course Title:	**AP U.S. Government & Politics**			*Prerequisite:* **U.S. History and Government & Economics**			
Course Number:	**SOC2196**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

Prerequisite: Recommendation of teacher. This year-long AP course covers the following content outline: Constitutional Democracy, Civil Liberties and Civil Rights, the American Political Culture and Beliefs,Political parties, and the Interaction Among States. More emphasis will be placed on U.S. founding documents and other primary resources including the Declaration of Independence and the U.S. Constitution. A research project or investigation relating a political problem or current issue to the course content will be required after the exam. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. The exams are held in May. There is a fee for the AP test.**

Course Title:	**AP European History**			*Prerequisite:* **Honors Social studies and English or recommendation of social Studies or English teacher**			
Course Number:	**SOC2200**	*Leve*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

Prerequisite: Honors history and English or recommendations from both content teachers. AP European History is designed to be the equivalent of a two-semester introductory college or university European history course, which means that the course uses a college-level textbook. In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. A special emphasis will be given to preparation for the National AP Exam, including historical writing through essay and document-based questions (DBQ) as well as objective evaluations. Because of this, the course is heavy on writing thus students should come into the course with a strong handle on essay writing. **Please note that summer work will be required to stay in the course. It is expected that each student enrolled in AP courses will take the AP exam for that class. The exams are held in May. There is a fee for the AP test.**

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Course Title:	**Geography***	*Prerequisite:*	
Course Number:	**SOC2000**	*Credit:*	**.5**

This course is designed to help you better understand our constantly changing world. Special emphasis will be placed on geographical skills and geographic literacy (locating countries, capitals, & physical features of the world.) We will study physical and political geography through the five basic themes, location, place, human-environment interaction, movement and region. Students will study maps! The goal of the course is to understand the impact of geography on history, culture, economics and politics. Assignments will include map study and labeling, quizzes, and projects. This course will cover the following standards: Geography.

Course Title:	**History of American Music***	*Prerequisite:*	
Course Number:	**SOC2011**	*Credit:*	**.5**

This course will examine the historical significance of popular music in the United States from the 1920's to the present. No formal musical training is necessary to enroll in the course. We will think about how to analyze musical sounds as "text." The course will focus on the cultural, social, political and economic elements of popular music in America. Genres of music covered will be: Rhythm and Blues, Jazz, Country, Folk, Soul, Rock'n Roll, Disco, Hip-Hop and a little Classical. Some of the popular music artists' to be covered in the course are Ray Charles, Elvis Presley, Aretha Franklin, Dolly Parton, Johnny Cash, Bob Dylan, Billie Holiday, the Bee Gees, and Michael Jackson. The course will require you to listen to music! Assignments will ask students to develop a clear, compelling, and evidence-based argument to explore the relationship between musical sounds and their broader cultural significance. Assessments in this course will include writing assignments and class discussions.

Course Title:	**European History***	*Prerequisite:*	
Course Number:	**SOC2010**	*Credit:*	**.5**

This course will cover European History from the Norman Conquest of England in 1066 to the present time. Focus will be on the political, religious, social, and economic changes that have occurred in Europe over the last one-thousand years. The first unit will be brief review of the first one-thousand years after the death of Christ and includes early Christianity, the formation of the Catholic church, the rise and fall of the Roman Empire, and the Dark Ages. The following units are The Late Middle Ages, the Renaissance, The Reformation, Absolutism, the Enlightenment, The French Revolution and the Napoleonic Era, the Industrial Revolution, The Age of Nation-States, and the 20th Century.

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Course Title:	**Pop Culture***	*Prerequisite:*	
Course Number:	**SOC2008**	*Credit:*	**.5**

This course will cover the history of popular culture in America. Each unit will discuss the things that have given us our unique American identity, including vaudeville, music, sports, mass media, literature, politics, crime and punishment, radio, movies, television, technology, and all of the compelling personalities that influenced the American public for well over a hundred years. Each unit will include a particular focus on the impact of pop culture on the youth of that era.

Course Title:	**The Law and You***	*Prerequisite:*	
Course Number:	**SOC2013**	*Credit:*	**0.5**

Learn more about the law and how it affects your everyday life in this half-year elective. Students will use simulations of court cases, both scripted and unscripted, and attend a session at Knox County courthouse in understanding criminal law and the courts. Studying the law is about learning concepts and rules, but it is also about understanding how the rules apply in real life. An additional activity will include a simulation on the Legislative law-making process. A good understanding of the U.S. Constitution and the Bill of Rights will aid in the successful study of this course. This course will cover the following standards: Civics and Government.

Course Title:	**The Law and You II**	*Prerequisite:*	
Course Number:	**SOC2014**	*Credit:*	**0.5**

The Law and You II is a class for students who have completed The Law and You, and who want to continue their study of the law. Students will continue working with unscripted mock trials and the Legislative simulation process debating the issues using Parliamentary Procedure. A more in-depth study of Supreme Court cases will ensue as well as a Supreme Court simulation. Field trips will include trips to the Knox County Courthouse and the Maine State Legislature.

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Course Title:	**The American Presidency***	*Prerequisite:*	
Course Number:	**SOC2113**	*Credit:*	**.5**

This elective course looks at the American Presidency in historical perspective. We will examine the powers of the office, its place in the American imagination, and the achievements of the most significant presidents. The course emphasizes the growth and transformation of the office starting with Washington and individual presidents are studied to understand the important issues with which they are associated, their strengths and weaknesses, foreign and domestic policy, their relationship with the press, etc.

Course Title:	**Current Events***	*Prerequisite:*	
Course Number:	**SOC2108**	*Credit:*	**.5**

If you are someone who likes to be aware of what is going on in the state, the nation and around the world, this class is for you. If you enjoy discussing and debating a variety of issues, including politics, this current events class will stimulate and exercise the mind. The “Who, What, When, Where, Why, and How’s” as well as the issues will be topics in this social studies elective. There will be weekly assignments in addition to online virtual assignments. You must be able to meet deadlines!

Course Title:	**World History and Cultures***	*Prerequisite:*	
Course Number:	SOC2201	*Credit:*	**0.5**

This class will cover China, Southeast Asia, South Asia, Africa and Europe. We will do a deep dive into the 5 major philosophies and religions of the world. Other topics include Modern European history and lifestyle, Imperialism, WW1 (including the WW1 role play.) You will see slideshows from different world locations and in-depth stories of culture and lifestyle and many short videos. Finally, there will be a viewing and analysis of a high-level documentary and a chance to show your classmates what you have learned from your journey around the world.

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Course Title:	**Psychology***	*Prerequisite:*	
Course Number:	**SOC2101**	*Credit:*	**.5**

This course will cover the basic study of human behavior. Students will be introduced to the scientific study of behavior and mental processes of human beings. The course will explore various areas within psychology - including neurobiology (sensations and perceptions), cognitive, developmental, abnormal, behavioral and clinical psychology. The study of psychology offers a way to learn more about why people do what they do. Reading assignments, written assignments, and classroom discussions will be major components of the course. There is a very strong emphasis on student-based experiments and observations. All students will be expected to both participate and observe a variety of experiments.

Course Title:	**Sociology***	*Prerequisite:*	
Course Number:	**SOC2109**	*Credit:*	**.5**

This course is designed to introduce sociology as a way of understanding the world. Sociology is a field of study that explains social, political, and economic phenomena in terms of social structures, social forces, and group relations. The course covers a variety of subject matter including social norms, leadership styles, group roles and responsibilities, the analysis of famous social psychology experiments / theories, an understanding of moral development and decisions, etc. The course has a strong emphasis on student-based experiments and observations. Reading assignments, written assignments, and classroom discussions will be major components of the course. All students will be expected to participate and observe experiments conducted both inside and outside the regular classroom.

Course Title:	**The War in Vietnam And the Civil Rights Era***	*Prerequisite:*	
Course Number:	**SOC2112**	*Credit:*	**.5**

The 1950's, 60's, and 70's was an era full of change and movement in America and the world. In this semester course the three Indo-China Wars in Vietnam and the Civil Rights movement will be explored. What events led to our involvement in Vietnam? What are the legacies of the war? What events sparked the Civil Rights movement, and how has the country benefited and changed as a result? This course will look closely at the issues and events that shaped the America we know today. This course will cover the following standard: History.

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Course Title:	**Mentoring and Student Leadership (MSL)**			*Prerequisite:* **Junior standing, teacher recommendation**			
Course Number:	**SOC2004**	*Level:*		*Credit:*	**1**	*Weight:*	**1**

Mentoring and Leadership is a junior level class that will build student leadership skills, knowledge through hands-on activities, understanding of what it means to be a role model at OHS, and a welcoming community for the incoming Freshman class. The first quarter for the MSL class will focus on discussing, learning, and exploring what it means to be a member of a team and a leader within their class. Students will work together to develop a curriculum to teach specific skills to 9th graders. Starting in the second quarter, the MSL class will lead and mentor the Freshman students by implementing the curriculum they developed quarter one in Freshman advisories. Expectations in terms of attendance and behavior for MSL are the same as those for academic classes.

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World Languages

Course Title:	**German I**	*Prerequisite:*	
Course Number:	**LAN2816**	*Credit:*	**1**

Kindergarten, Wanderlust, und Schadenfreude! Ever wonder the origin of these words? Yes, they are German and English is a Germanic language. This course is designed for all students. No experience with a language is required. Students will learn basic sounds and intonation of the language. Emphasis will be on listening comprehension, grammatical foundation, and developing novice oral proficiency. Cultural aspects of the language will be introduced on an ongoing basis. **The German program is building and currently there are Levels I-III offered at OHS.**

Course Title:	**German II**	*Prerequisite:* **Successful completion of German I**	
Course Number:	**LAN2817**	*Credit:*	**1**

This course is a continuation of German I; it reinforces and builds upon skills acquired in German I. Students will understand the main ideas in texts and audio recordings. Students will be able to write about themselves and demonstrate grammatical accuracy in language functions. The students will continue exploration of the German culture.

Course Title:	**German III**	*Prerequisite:* **Successful completion of German II**	
Course Number:	**LAN2819**	*Credit:*	**1**

Students will build on what they have learned in German I and II. In German III, students will exchange information about classes and meals; express needs, feelings and write about oneself, family, friends, and demonstrate grammatical accuracy using different tenses and language functions. Students will continue to learn about German culture.

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Course Title:	**French I**	*Prerequisite:*		
Course Number:	**LAN2801**	*Credit:*	**1**	

In this course, students will be exploring how to effectively learn a second language and why mastery of a second language is beneficial. In addition, students will continue to acquire the basics of the French language. The emphasis of this course is on establishing a vocabulary base for effective communication around topics relevant to daily life in the United States and Francophone countries. During the course, students will be expected to develop their abilities to understand written and spoken French. In addition they will be expected to make progress in their ability to write and speak in French.

Course Title:	**French II**	*Prerequisite:* **French I (or teacher recommendation)**	
Course Number:	**LAN2802**	*Credit:*	**1**

In this course, students will continue their study of French and Francophone cultures. During the course, students will continue to develop their abilities to understand written and spoken French. In addition, they will be expected to make progress in their ability to write and speak in French. Students will learn to navigate common situations that arise when traveling.

Course Title:	**French III**	*Prerequisite*: **French II**	
Course Number:	**LAN2815**	*Credit:*	**1**

In this course, students will further their ability to communicate in French and learn about French culture through classroom discussion as we study grammar and learn new vocabulary along with French history, culture and literature.

Course Title:	**French IV**	*Prerequisite:* **French III**	
Course Number:	**LAN2816**	*Credit:*	**1**

In this course, students will further their ability to communicate in French by studying more sophisticated forms of grammar and vocabulary as we study French history, culture and literature.

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Course Title:	**French V**	*Prerequisite:*	**French IV**
Course Number:	**LAN2818**	*Credit:*	**1**

In this course, students will further their ability to communicate in French by participating in classroom discussions while continuing to study more sophisticated forms of grammar and vocabulary along with French history, culture and literature. Some independent work is expected.

Course Title:	**Spanish I**	*Prerequisite:*	
Course Number:	**LAN2806**	*Credit:*	**1**

This course is designed for beginning students or students who have had minimal experience with the language. Students will learn basic sounds, stress patterns and intonation of the language. Emphasis will be on developing oral proficiency and listening comprehension, as well as a solid grammatical foundation. Cultural aspects of the language, such as music, current events and holiday traditions, will be introduced on an ongoing basis.

Course Title:	**Spanish II**	*Prerequisite:*	**Spanish I**
Course Number:	**LAN2807**	*Credit:*	**1**

This course is a continuation of the development of all four language skills, listening, speaking, reading and writing, building upon the skills and knowledge acquired in Spanish I. Students in Spanish II exchange information about topics such as classes,meals, feelings, learn to talk about present and past events, and learn to understand navigation instructions in Spanish. Students will also continue their exploration of the Hispanic culture through music, movies, food, and pop culture.

Course Title:	**Spanish III**	*Prerequisite:*	**Spanish II**
Course Number:	**LAN2808**	*Credit:*	**1**

In Spanish III students continue to develop all four language skills: speaking, listening, reading and writing. They use verbal exchanges to share personal information and preferences about their lives and leisure activities, maintain short conversations in Spanish, and understand the main ideas, themes, and basic details from a variety of media. This course starts to go beyond the textbook with the use of short novels. Spanish III also explores current events and pop culture, such as music, food, TV shows, and holiday traditions.

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Course Title:	**Spanish IV**	*Prerequisite:* **Spanish III**	
Course Number:	**LAN2809**	*Credit:*	**1**

Spanish IV students read short novels entirely in Spanish and explore the culture and music of the country featured in the novels. They also will explore current events and issues such as environmentalism in connection with the countries featured in these novels. There is increased verbal conversation at this level as well as a direct focus on understanding many grammar structures now that a solid foundation in the language has been established in Spanish I-III. Students will learn to write a basic essay in Spanish and be encouraged to go beyond the classroom with their new skills. A variety of media is used for reinforcement, such as popular music and telenovelas.

Course Title:	**Intensive Spanish in Spain**	*Prerequisite:* **Spanish II**	
Course Number:	**LAN2826**	*Credit:*	**.50**

The Intensive Spanish in Spain course is a 2-week study abroad program with Enforex Language School in Granada, Spain. Students stay in host homes, take language classes in the mornings, and participate in cultural workshops in the afternoon. Workshops include cooking paella, going to a Flamenco show, visiting the Alhambra palace, visiting the crypt of King Ferdinand and Queen Isabella, and much more. In preparation for the trip, the students meet with Profe Jordan just prior to the trip for a weekly mini-class in topics such as Spanish history, Moorish architecture, flamenco culture, tapas, and of course, Spanish communication skills! Granada, founded in the year 711, is a cultural gem in southern Spain, home of the Alhambra fortress and castle, and the place where Queen Isabella and Columbus signed the contract to find a new route to India. There will also be a weekend overnight excursion to the beach towns of Nerja and Málaga on the Costa del Sol. If you are interested in developing your Spanish skills, experiencing life in another country and seeing what studying abroad is like, this is the course for you. This half-credit course is offered every 2 years. The cost of the course is an estimated $2700, based on a minimum of 12 students. April 2022? will be the next time this course is offered. Students must be at least 15 years old, be enrolled in or have taken Spanish II or above, and have teacher recommendation to participate in this course. For more information, visit https://www.enforex.com/school-granada.html or talk to Mrs. Jordan.

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Visual Arts

***denotes semester course and .50 credit**

Course Title:	**Foundations of Art***	*Prerequisite:*	
Course Number:	**ART2400**	*Credit:*	**.50**

This is a semester length survey of art history that covers from global prehistory up to the mid 1800s in Europe. In this section we look at “Art as Record”, as we follow the ways that people have documented the world’s history through drawings, paintings, sculpture and architecture. Throughout the semester there will be art-making projects that reflect the historical content and use a variety of techniques and materials.

Course Title:	**Art as an Idea***	*Prerequisite:*	
Course Number:	**ART2407**	*Credit:*	**.50**

“Art as an Idea” (1850 - Current). This semester length section will look at examples from those schools and movements that defined and altered the world of Art philosophically, and that helped shape where that world is today. Throughout the semester there will be art-making projects that reflect the historical content and use a variety of techniques and materials.

Course Title:	**Modern Art History***	*Prerequisite:*	
Course Number:	**ART2410**	*Credit:*	**.50**

In this semester length art history class students will be looking at the art movements that informed and helped develop the ideas, philosophies and practices of the contemporary artists of today. This class features slide lectures and scheduled art projects. Modern Art History will feature looks at Cubism, Futurism, Dadaism and Fluxus (just to name a few).

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Course Title:	**Drawing & Painting I***	*Prerequisite:*	
Course Number:	**ART2402**	*Credit:*	**.5**

In this course, students will engage with technical, practical, and conceptual based problems involved with the practice of painting and drawing. It will offer studio opportunities to explore the most fundamental requirement for painting and drawing perception. Students will learn to see, analyze, interpret, paint and draw by using the basic components: the composition, space, texture, lights/shadows, and the perception of the "whole". Students will explore methods of painting and drawing from direct observation of people, landscape, and still life as well as abstraction. Students will also enhance their paintings and drawings by learning to manipulate a variety of techniques and to manage color across its attributes: hue, tint, shade, brightness, saturation and intensity. Students also learn how to critically analyze a work of art, in order to achieve creative results. As a class, we may explore opportunities to go off campus to visit local galleries and museums.

Course Title:	**Drawing & Painting II***	*Prerequisite:* **Drawing and Painting I or Teacher permission**	
Course Number:	**ART2421**	*Credit:*	**.5**

This course is an opportunity for students to utilize all the knowledge and experience acquired in their previous art courses in order to create works that demonstrate expertise in painting and drawing. It will further develop and refine techniques and concepts, as well as understanding of human anatomy for the purpose of artistic expression. Linear perspective, compositional structure, figure/ground integration, spatial perception, critical thinking, and analytical skills will all be emphasized extensively. In some sections of the course, we will lean toward a realistic approach in our work from still life and models; however, we will also explore other conceptual approaches, such as abstraction. The hope is that students will use this global approach to develop a "critical eye" in evaluation of contemporary painting and drawing. Also, individual and group critiques and discussions will be given throughout the course. Always remember that our main emphasis in this course will be to encourage and nourish creativity.

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Course Title:	**Adv. Studio Art-Drawing & Painting 2-D**	*Prerequisite:* **See bold print below**	
Course Number:	**ART2412**	*Credit:*	**1**

Prerequisite: One of the following courses: Drawing & Painting, Studio Art Draw/Paint, Studio Art, Sculpture

#Portfolio review by Art Teacher

Advanced Studio Art is designed for the qualified art student who is ready to prepare for the AP Studio Art Portfolio course which includes Drawing, 2-D Design, and 3-D Design. This course emphasizes the refinement of skills gained in previous art courses. Projects are based on individual problem solving and the ability to make subjective choices. Art appreciation with aesthetics and criticism will be integrated into each project. Students in this course will build works for their Breadth, Concentration, and Quality sections for their future portfolio submission. The student will follow the same curriculum but will not submit a portfolio to the College Board for review. Standards: Disciplinary Literacy, Aesthetics and Critici,

Course Title:	**Digital Photography I***	*Prerequisite:* **Grades 10-12**	
Course Number:	**ART2405**	*Credit:*	**.5**

Digital Photography covers the basic steps needed to understand and shoot with a digital camera. Sophomores, Juniors and Seniors have the opportunity to use school DLSR cameras. Students will learn the steps to traditional digital photography through shooting, uploading computers, and altering and improving images with Photoshop software. Assignments will help students become familiar with appreciation and aesthetics, to see the world through a photographer's eyes. The appreciation of photography history is integrated throughout the course with various shooting assignments. Students are expected to do research papers comparing and contrasting famous photographers. Textbook chapters and handouts will be read and quizzed over. Specific shooting assignments will be given. A portfolio will be included as part of the exam at the completion of the course. Exceptional and highly motivated photography students will have the opportunity to explore independent digital photography with the goal of furthering the student's creative exploration of this fascinating medium. Students will utilize their digital photo making skills to create original and aesthetically meaningful photo images. The students will work to develop their individual 'voice' through purposeful decision-making about using the elements and principles of art in an integrative way. Lessons will guide students in their exploration. It is helpful if students have their own digital camera and thumb drive. Some digital cameras are supplied through the school. Standards: Creation, Performance and Expression, Creative Problem Solving, Connections.

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Course Title:	**Adv. Digital Photography**	*Prerequisite:* **Digital Photography I**	
Course Number:	**ART2416**	*Credit:*	**1**

Adv. Digital Photography students should have a interest in art and photography and have taken a previous art class. Upper level students will have the opportunity to perfect their printing and computer software skills. Darkroom and alternative processes techniques may be explored. Students will follow the AP College Board curriculum, which includes the Elements and Principles of Design. Photography appreciation with aesthetics and criticism will be integrated into each project. Students are not required to submit for the exam. (See the AP description). Standards: Disciplinary Literacy, Aesthetics and Criticism, Connections.

Course Title:	**Sculpture I***	*Prerequisite:* **Drawing and Painting I**	
Course Number:	**ART2422**	*Credit:*	**.5**

Sculpture 1 Students are introduced to various mediums concerned with developing sculptural works in 3D. Concepts such as composition, visual aesthetic and context will be covered as a component of the class, as the students address these in various capacities within the individual assignments. Examples of mediums covered: Plaster, Wood, Styrofoam, Wood Construction. Standards: Creation, Performance and Expression, Creative Problem Solving, Connections.

Course Title:	**Sculpture II***	*Prerequisite:* **Sculpture I or Teacher Permission**	
Course Number:	**ART2423**	*Credit:*	**.5**

Sculpture II -Students are required to take a Sculpture 1 course as the prerequisite. Sculpture II will elaborate on elements covered in the previous course, but will provide an opportunity to focus on individually devised projects. In addition to traditional practices, Sculpture II will also introduce installation, collaborative and conceptual methods. Standards: Disciplinary Literacy, Aesthetics and Criticism, Connections.

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Course Title:	**Studio Art- Mixed Media**	*Prerequisite:* **Drawing & Painting I or Survey of Art History**	
Course Number:	**ART2411**	*Credit:*	**1**

This course is designed to introduce a student to the blending of technology and artwork. The artwork created and photography shot will be combined with the use of the computer. The Wacom Tablets and Photoshop CS5 will be used. The student will create artwork projects such as Zen tangles, mono prints, gelatin prints, relief and foam prints etc. All will relate to the elements and principles of design. Art appreciation with aesthetics and criticism will be integrated into each project. Students are notquired to have previous art experience but be willing to experiment. Students will bring their final pieces to critique and will be graded by assignment completion and portfolio. It is helpful if students have a digital camera and a thumb drive. Some digital cameras are supplied through the school. This class provides skills and preparation to build an AP breadth portfolio in 2-D design. Standards: Disciplinary Literacy, Creation, Performance and Expression, Creative Problem Solving, Aesthetics and Criticism, Connections.

AP ART- ART2491

You must have taken at least two visual art classes or submit a portfolio for approval before taking AP Art. Select AP ART ART2491 for all the AP Art courses listed below.

Course Title:	**AP Studio Art Drawing/ Painting**			*Prerequisite:* **Drawing and Painting I Grades 11 & 12**			
Course number:	**ART2491**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

Studio Art Drawing is a class designed to meet the College Board Advanced Placement standards. It is a time where students who have shown proficiency in art can gather as a class to create, critique and support each other in their growth as artists. This course emphasizes the refinement of skills learned in previous art classes. Projects are based on individual problem solving and the ability to make subjective choices. Art appreciation with aesthetics and criticism will be integrated into each project. Emphasis is based on developing individual expression through confidence and skills, which provide successful and creative art projects. Students are required to have previous art experience. Students will bring their final pieces to critique that will be arranged at the onset of each new topic. Portfolios will follow College Board requirements. Standards: Disciplinary Literacy, Creation, Performance and Expression, Creative Problem Solving, Aesthetics and Criticism, Connections. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for**

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that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for the AP test.

Course Title:	**AP Studio Art 2-D, Photography**			*Prerequisite:* **Digital Photography**			
Course Number:	**ART2491**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

Advanced Photography: Students will follow the same curriculum but will have a choice to submit a portfolio to the College Board for review.
This course is designed to meet the College Board Advanced Placement standards. The course emphasizes the refinement of the skills learned from the beginning photography classes. Advanced Placement Studio Art is designed for juniors and seniors with a strong foundation in art and an interest in completing a comprehensive portfolio for college application or the AP Studio Art Portfolio Art exam. Photography students can create paintings and drawings in 2-D design. The course follows the three-part format designed for the AP Studio Art Portfolio requirements. Class assignments will further the development of the students knowledge of the elements and principles of design. Sketchbooks and journals will be an important part of the development for ideas and concepts through notes and sketches. Standards: Disciplinary Literacy, Creation, Performance and Expression, Creative Problem Solving, Aesthetics and Criticism, Connections. Follows the same requirements as below. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for the AP test.**

Course Title:	**AP Studio Art 3-D Design**			*Prerequisite:* **Sculpture 1 & II Grades 11-12**			
Course Number:	**ART2491**	*Level:*	**AP**	*Credit:*	**1**	*Weight:*	**1.075**

This course is designed to meet College Board Advanced Placement standards. The course emphasizes the refinement of the skills learned from the introductory level pottery and sculpture classes. Advanced Placement Studio Art is designed for juniors and seniors with a strong foundation in art and an interest in completing a comprehensive portfolio for college application or the AP Studio Art Portfolio Art exam. The course follows the three-part format designed for the AP Studio Art Portfolio requirements. Class assignments will further the development of the students knowledge of the elements and principles of design. Sketchbooks and journals will be an important part of the development for ideas and concepts through notes and sketches. Standards: Disciplinary Literacy, Creation, Performance and Expression, Creative Problem Solving, Aesthetics and Criticism, Connections. **Please note that summer work will be required. It is expected that each student enrolled in AP courses will take the AP exam for that class. If you take the exam you will receive AP credit. The exams are held in May. There is a fee for the AP test.**

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Theatre

Course Title:	**Theatre I***	*Prerequisite:*	
Course Number:	**THE2414**	*Credit:*	**.50**

This course is designed as an introduction to Theatre. Activities will include those that offer experience as the goal. Students will gain an understanding of Drama as a means of expression through hand-on activities and play analysis. Improvisation, acting exercises, theatre games, as well as participation in both formal and informal productions will be included. Students will be provided with opportunities to explore various elements and techniques of set, light, sound, costume and make-up design. The course may also explore the various aspects of stage management, production and promotion. The class will culminate with a public performance. Standards: Disciplinary Literacy, Creation Performance and Expression, Creative Problem Solving, Aesthetics and Criticism, Connections.

Course Title:	**Theatre II**	*Prerequisite:* **Theatre I**	
Course Number:	**THE2417**	*Credit:*	**1**

This course is designed for the student with a background in the performing arts and a willingness to study the more formal aspects of Theatre Arts. This course will offer opportunities to explore various acting techniques, student directing and will involve script analysis, interpretation and design. Included will be an overview of Theatre History. Students will be provided with opportunities to explore various elements and techniques of set, light, sound, costume and makeup design. The course may also explore the various aspects of stage management, production and promotion. The class will culminate in a public performance of a dramatic work. Standards: Disciplinary Literacy, Creation, Performance, Expression, Creative Problem Solving, Aesthetics and Criticism, Connections.

Course Title:	**Tech Theatre**	*Prerequisite:grades* **11-12**	
Course Number:	**THE2415**	*Credit:*	**1**

This introductory course offers students a foundation in the basic skills of play production and stagecraft. Theory will be balanced with hands-on activities. First semester students will provide the technical support for the OHS fall musical. Technical elements will include: promotion, publicity, set, light, and make-up design. 2nd semester students in this class will also provide set design and initial construction for the One Act Drama Festival entry. Both semester classes will provide technical support for the Theatre I and Theatre II and Advanced Theatre productions. Standards: Disciplinary Literacy, Creation, Performance and Expression, Creative Problem Solving, Aesthetics and Criticism, Connections.

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Course Title:	**Advanced Theatre**	*Prerequisite:* **Theatre I & II**	
Course Number:	**THE2418**	*Credit:*	**1**

This elective arts course is designed for the serious acting student. The goal of the class is to explore plays of major dramatists while gaining an understanding of the cultural, religious and economic events that influenced the writing and staging of these works. This exploration will include the forms and styles of Western Theatre from the Classical Greeks to the present. Students will select, prepare and present scenes and monologues from a classical or dramatic piece. The expectation is that this class will be fully engaged in production throughout the year. Standards: Disciplinary Literacy, Creation, Performance and Expression, Creative Problem Solving, Aesthetics and Criticism, Connections.

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Music

***denotes semester course and .50 credit**

Course Title:	**Concert Choir**	*Prerequisite:*	
Course Number:	**MUS2423**	*Credit:*	**1**

Concert Choir is a full year class open to all students who want to sing together as a group and enrich their choral music education. We will learn and review musical notation, symbols, and terminology so as to perform our selections with technical and expressive accuracy. Learning to sing safely and correctly will also be emphasized. Participation in an ensemble such as Concert Choir encourages musical, academic, social, and emotional growth. Singing in the choir requires group and individual effort, both at school and at home. Participation in concerts and other scheduled events is required.

Standards: Disciplinary Literacy; Creation, Performance and Expression; Creative Problem Solving; Aesthetics and Criticism; Connections.
Course Title:

Course Title:	**Chamber Choir**		*P Prerequisite:* **Audition Process**	
Course Number:	**MUS2424**		*Credit:*	**1**

Chamber Choir is a full year choral class that requires an audition to become a member. The inclusion of all musical and performance goals as outlined in the Concert Choir continue into the Chamber Choir ensemble. Chamber Choir focuses on a higher level of choral music with higher expectations in the areas of musicianship, vocal usage, and part singing. Emphasis will be placed on learning and implementing music theory into our daily singing routine. Participation in an ensemble such as Chamber Choir encourages musical, academic, social, and emotional growth. Singing in the choir requires group and individual effort, both at school and at home. Participation in concerts and other scheduled events is required. Please see Ms. Casey for audition Information.

Standards:Disciplinary Literacy; Creation, Performance and Expression; Creative Problem Solving; Aesthetics and Criticism; Connections.

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Course Title:	**Concert Band**	*Prerequisite:* **Experience playing an Instrument in another school band**	
Course Number:	**MUS2430**	*Credit:*	**1**

Concert Band is a full year class open to all students wanting to continue their instrumental music education as an ensemble member. This is a class dedicated to learning and performing a wide variety of band music. Emphasis is on teamwork, technique, musicality, reading notation, and building music vocabulary. Music will be drawn from diverse cultures, eras, and styles. Individual lessons or small group lessons (sectionals) may be required during Targeted Learning if extra help is required for improvement. Participation in an ensemble such as Concert Band encourages musical, academic, social, and emotional growth. Playing in the ensemble requires group and individual effort, both at school and at home. Participation in concerts and other scheduled events is required.

Standards: Disciplinary Literacy; Creation, Performance and Expression; Creative Problem Solving; Aesthetics and Criticism; Connections.

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Course Title:	**Piano Fundamentals***	*Prerequisite:*	
Course Number:	**MUS2437**	*Credit:*	**.5**

This piano class is for beginners, with emphasis on introductory skills, reading and playing simple music notation, and building good habits at the keyboard. We will use the piano and keyboards in the music room, and will practice rhythms, scales, music notation, major and minor chordS, and community songs like Happy Birthday. Piano Fundamentals is limited to 12 students. This is a semester-long class. Possible participation in concerts is optional.
Standards: Disciplinary Literacy; Creation, Performance and Expression; Creative Problem Solving; Aesthetics and Criticism; Connections.

Course Title:	**Music Lab***	*Prerequisite:*	
Course Number:	**MUS2426**	*Credit:*	**.5**

Music Lab is a semester long, project-based class which covers a variety of general music topics. Students will learn music history through a Composer Social Media Project, composition and recording of electronic music through a GarageBand Project, music notation and instrument knowledge through a Recycled Percussion Project, and more. A background in music is not required, but an interest in music, fun, and learning is preferred!
Standards: Disciplinary Literacy; Creation, Performance and Expression; Creative Problem Solving; Aesthetics and Criticism; Connections.

Course Title:	**Ukulele Fundamentals***	*Prerequisite:*	
	MUS2429	*Credit:*	**.5**

This ukulele class is for beginners, with emphasis on introductory skills, reading and playing simple music notation, and building good habits on the ukulele. We will use the new ukuleles in the music room, and will practice rhythms, scales, music notation, major and minor chords, and a variety of songs. Ukulele Fundamentals is limited to 10 students. This is a semester long class. Possible participation in concerts is optional.
Standards: Disciplinary Literacy; Creation, Performance and Expression; Creative Problem Solving; Aesthetics and Criticism; Connections.

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Course Title:	**Gifted and Talented Music***	*Prerequisite:*	
Course Number:	MUS2439	*Credit:*	**.5**

GT Music is a required course option for every GT Music student for at least one semester throughout their four years. Students will learn their band or choir music in addition to the course material, which includes music theory, composition, piano fundamentals, and music history. This course has many opportunities for field trips to colleges and music performances, as well presentations by guest music lecturers.

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Specialized Course Offerings

Course Title:	**Reading (MOD)**	*Prerequisite:* **Team Recommendation**	
Course Number:	**ELA2031**	*Credit:*	**1**

This course is designed for students identified as requiring direct specialized instruction in the area of reading. Strong emphasis is placed on exercises designed to improve reading skills. Students work with main ideas, inferences, conclusions, context clues, and vocabulary during class. Where appropriate, students work on spelling and other necessary skills. This course will focus on performance indicators/ graduation standards as determined by individual needs.

Course Title:	**Math (MOD)**	*Prerequisite:* **Team Recommendation**	
Course Number:	**MAT2235**	*Credit:*	**1**

This course is designed for students identified as requiring direct specialized instruction in the area of mathematics. It is offered as a student-centered, interactive, collaborative math program in the resource room. Areas of focus may include basic computation skills, fractions, decimals, percentages, word problems, and multistep word problems. Individual need determines the focus of study. This course will focus on performance indicators/ graduation standards as determined by individual needs.

Course Title:	**Focused Skills Instruction (MOD)**	*Prerequisite:* **Teacher Recommendation**	
Course Number:	**STU2004F** **STU2004S**	*Credit:*	**.25**

This course is designed for students identified as requiring specially designed instruction in the area of executive functioning skills (i.e. organization, Habits for Success) or in an academic area specified by their individual plan. This course will focus on performance indicators/ graduation standards as determined by individual needs.

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Course Title:	**Executive Functioning for High Schoolers***	*Prerequisite:* **Team Recommendation**	
Course Number:	**SPE2000**	*Credit:*	**.5**

Executive Functioning Skills for High Schoolers is a student-centered, activity based course that is designed for students identified as requiring specially designed instruction in the area of executive functioning skills. These skills are essential to high school success, and directly related to the Habits of Success, they include: planning, time management, working memory, self-control, flexibility, organization, task initiation, metacognition, sustained attention, and perseverance. This course requires team recommendation.

Course Title:	**Senior Transition***	*Prerequisite:* **Team Recommendation**	
Course Number:	**SPE2001**	*Credit:*	**.5**

ISP Senior Transition is designed to help students acquire the skills needed to successfully transition into adulthood. This small, student-centered class allows students to work towards their post-secondary goals in a small group individualized environment. This class will focus on several post graduate skills, to help each student successfully transition into the postsecondary world with the proper tools. Senior Transition will also look to incorporate community service and Consumer Math skills. This course is designed for Seniors, and only offered in the 1st semester. This course will focus on performance indicators/graduation standards as determined by individual needs.

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Physical Education

***denotes semester course and .5 credit**

Course Title:	**Physical Education**	*Prerequisite:*	
Course Number:	**HPE2715**	*Credit:*	**1**

Physical Education I is a 1 credit course required for graduation. The focus of the physical education program is overall wellness and lifetime fitness. Students will be challenged to develop their health-related fitness, physical competence, cognitive understanding, and positive attitudes about physical activity. Daily conditioning activities will lead to improved levels of cardiorespiratory fitness, muscular fitness, and flexibility. Students will engage in a variety of physical activities, which may include: Fitness Testing, Frisbee, soccer, volleyball, badminton, tennis, and fitness center use.. The following standards will be covered in this class: Movement & Motor Skills; Physical Fitness/Activities and Knowledge; Personal & Social Skills & Knowledge.

Course Title:	**Strength and Conditioning***	*Prerequisite:* **PE I**	
Course Number:	**HPE2707**	*Credit:*	**.5**

This 1 semester course is for the student who is motivated and committed to developing and maintaining a high level of physical fitness. Students will develop personal fitness goals, and design and follow a written personal fitness plan. This class will be based in the Oceanside High School fitness center. The following standard will be covered in this class: Physical Fitness / Activities & Knowledge.

Course Title:	**Racket / Net Sports***	*Prerequisite:* **PE I**	
Course Number:	**HPE2708**	*Credit:*	**.5**

This class is for the student who wishes to advance his or her skills in the lifetime activities of tennis, badminton, volleyball, and pickleball. Students will be assessed through skill tests and written tests. The following standards will be covered in this class: Movement & Motor Skills; Personal & Social Skills & Knowledge.

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Course Title:	**Team Sports and Cooperative Activities***	*Prerequisite:* **PE I**	
Course Number:	**HPE2709**	*Credit:*	**.5**

Team Sports and Cooperative Activities is for the student who wishes to advance his or her skills in a variety of team sports and cooperative games. Activities may include soccer, floor hockey, “ultimate” games, lacrosse, basketball, volleyball, and softball. Students will be required to be a team leader at least once during the semester. This opportunity to develop leadership skills includes designing and running team practice sessions, and coaching their team in a unit tournament. The following standards will be covered in this class: Movement & Motor Skills; Personal & Social Skills & Knowledge.

Course Title:	**Advanced Personal Fitness***	*Prerequisite:* **PE I**	
Course Number:	**HPE2710**	*Credit:*	**.5**

This class will combine personal fitness with anatomy, exercise physiology, kinesiology, and biomechanical principles of human movement. Advanced Personal Fitness will meet in the classroom and the Oceanside High School fitness center. Students will keep a binder including class notes, handouts, and assignments. The following standard will be covered in this class: Physical Fitness / Activities & Knowledge.

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Health

Course Title:	**Health**	*Prerequisite:*	
Course Number:	**HPE2714**	*Credit:*	**1**

Health is a year long course. Health issues that impact the lives of teens now and in their future will be investigated. Understanding what influences one's decisions and developing the skills necessary to accept the responsibilities and consequences of those decisions, will be the focus of this course. Students will learn how to determine the validity of health resources including the Internet. Understanding the interrelatedness of the six components of wellness is essential to the total health of an individual. Students will be challenged and encouraged to participate in discussions, to write, and will be assessed on their cognitive knowledge of health issues. Topics may include Stress Management, Mental / Emotional Health including Suicide Prevention, Drug, Alcohol, and Tobacco Awareness, Relationship Development, Nutritional Health and Physical Activity as they relate to Cardiovascular Health.
This course covers the following standards: Health Concepts; Health Information & Products; Promotion and Risk Reduction; Influences on Health, Advocacy, Decision Making, and Goal Setting.

Course Title:	**First Aid & Safety***	*Prerequisite:* **Completion of Health**	
Course Number:	**HPE2703**	*Credit:*	**.5**

Students in First Aid and Safety study the techniques of emergency first aid, CPR- AED, and various safety topics including: Boating and Water Safety, Cyber Safety, Identity theft, Weather Safety, Workplace Safety, Product Safety, Food Safety, Fire safety, and Travel safety. Opportunity exists for all students to earn American Heart Association Heartsaver First Aid, CPR, AED certification which is good for 2 years.

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Computer Science and Technology

***denotes semester course and .5 credit**

Course Title:	**Computer Science Explorations***		*Prerequisite:* **None**	
Course Number:	**TEC2520**		*Credit:*	**.5**

This course introduces students to a variety disciplines in computer science such as CAD architectural and 3D design, 3D printing, electrical circuits and microprocessors, digital audio, and programming. Software and hardware utilized in the course could include SketchUp, TinkerCad, Fusion 360, Makerbot Printer, Arduinos, Garageband, StudioOne and Swift Programming. This course is great for students with no prior experience.

Course Title:	**Intro to Computer Graphics***		*Prerequisite:* **None**	
Course Number:	**TEC2510**		*Credit:*	**.5**

Introduction to Computer Graphics is a project-based course that teaches design principles and image editing and illustration techniques for producing design projects for web, print, or video. Students will be learning to use Adobe Photoshop, Illustrator and Indesign, while developing their design skills and visual sensibilities.
This course can be counted toward your Visual and Performing Arts credit.

Course Title:	**Advanced Computer Graphics***		*Prerequisite:* **See below**	
Course Number:	**TEC2512**		*Credit*	**.5**

Advanced Computer Graphics is a continuation of the Intro to Computer Design curriculum. It is a project-based course that builds the design principles and techniques developed in the intro course, applying them to motion graphics and animation. Students will be learning to use applications such as Adobe Animate, Adobe After Effects and Blender to create 2D and 3D animation and design.
Students enrolling in this class should have completed either Graphic Design or Intro to Computer Graphics, or get permission from the instructor.
This course can be counted toward your Visual and Performing Arts credit.

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Course Title:	**Introduction to Computer Programming***		*Prerequisite:* **None**	
Course Number:	**TEC2506**		*Credit:*	**.5**

Introduction to Computer Programming--Coding in Javascript: This course provides an engaging, self-paced introduction to “coding,” also known as computer programming, in the Javascript language. Javascript is a lightweight, easy-to-learn scripting language used to create apps and interactive web content.

Course Title:	**Computer Science Principles A**		*Prerequisite:* **None**	
Course Number:	**TEC2513**		*Credit:*	**1**

Course Title:	**CAD Graphics and Blueprint Reading**		*Prerequisite: Algebra I and under-Standing of Geometry Grades 11-12*	
Course Number:	**TEC2501**		*Credit:*	**1**

This course will introduce students to the concepts of technical drawing, measurement, scale, format, and how they are applied to reading drawings in the fields of mechanical, architectural, civil, structural, and electrical engineering. Students will also learn to produce 2D technical drawings that meet industry standards using AutoCAD software. Emphasis will be placed on precision and accuracy, use of symbols, line types, line weights, orthographic projection, multi-view placement, text format, dimensions, section views, auxiliary views, isometric views, and plotting accuracy. A variety of design fields will be reviewed with an emphasis on industry used graphics standards.

Course Title:	**Introduction to Applied Technology / CTE Exploratory**				
Course Number:	**VOC2624**	*Credit:*	**2**	*Grade:*	**9-10**

This course is offered every other day for two periods. It is based at OHS.

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- **Get an introduction to a variety of career clusters**
- **Learn to safely use a variety of technology, equipment, and tools**
- **Utilize the shop/lab space at Mid-Coast**

CTE Exploratory is a hands-on, project-based program that helps students develop specific academic, career, interpersonal and technical skills. Students experience parts of full Mid-Coast programs through projects using engineering, small engines, welding, carpentry skills, etc. The program enables students to explore a wide variety of career and occupational areas. Upon successfully completing the program, students can choose another program as a sophomore, junior or senior. This is a 2 credit (half-day) program offered on the partner school campuses.

#S- This course counts as a science experience.

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Career Exploration

Course Title:	**Jobs for Maine's Graduates (JMG) 9/10**			*Prerequisite:*			
Course Number:	**CAR2400**	*Level:*	**E**	*Credit:*	**1**		

JMG is designed to help students acquire the skills needed to successfully transition into adulthood. This small, nontraditional, student-centered class allows students to participate in a safe supportive environment. The topics covered include career exploration, job searches, cover letters, resumes, interviews, job applications, managing money, leadership, communication, community service, teamwork and other workplace values. Activities are designed for students to figure out who they are, what they want for their future, what opportunities are available and how to take advantage of them. Improving study skills and developing organizational skills are included as part of the course objectives. Students in the course can participate in the student-led Career Association with goals of leadership development, career development, social and civic awareness including community service. This course may be taken more than one time. Students must complete an application and turn it into the JMG Specialist prior to enrollment.

Standards: Students have the opportunity to meet the Career and Educational Development graduation standards as well as elective standards in Job Attainment, Job Success & Workplace Soft Skills, Academic Success, and Financial Literacy.

JMG partners with public education and private businesses to offer results-driven solutions to ensure all Maine students graduate, attain post-secondary credentials and pursue meaningful careers.

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Course Title:	**Jobs for Maine's Graduates (JMG) 11/12**	*Prerequisite:*	
Course Number:	**CAR2401**	*Credit:*	**1**

This JMG course is designed to help juniors and senior students establish a successful path towards a meaningful career and productive adulthood. This small, non-traditional, student-centered class allows students to participate in a safe supportive environment. The topics covered include job searches, cover letters, resumes, interviews, college and job applications, scholarships, financial aid, managing money, leadership, communication, teamwork and other workplace values. Activities are designed for students to figure out what they want for their future, what opportunities are available and how to take advantage of them. Students in the course can participate in the student-led Career Association with goals of leadership development, career development, social and civic awareness including community service. Before graduation, each senior student will have a plan for the summer and following year. The instructor, a JMG Specialist, will maintain contact with students 12 months following their senior year to provide guidance and support. Students must complete an application and turn it into the JMG Specialist prior to enrollment.

Standards: Students have the opportunity to meet the Career and Educational Development graduation standards as well as elective standards in Job Attainment, Job Success & Workplace Soft Skills, Academic Success, and Financial Literacy.

JMG partners with public education and private businesses to offer results-driven solutions to ensure all Maine students graduate, attain post-secondary credentials and pursue meaningful careers

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School to Career Program

The goal of the School to Career (STC) program is to assist students in making appropriate choices and plans for their education/career paths during and after high school. The philosophy of this program recognizes that classroom learning provides only part of the skills and knowledge students will need to succeed in their chosen profession or career. Students in this program put work skills into practice while exploring and developing career interests and objectives. There are two components to this program that combine to offer as many as five (5) elective credits: Cooperative Education and the Applied Career Exploration and Success class. See details below.

Course Title:	**Applied Career Exploration And Success (ACES)**	*Prerequisite:*		
Course Number:	**CAR2520**	*Credit:*	**1**	

This year-long course is designed to provide students with the skills, abilities and knowledge to transition successfully into the real world, regardless of the educational and/or work choices they make after high school.

Topics will include but are not limited to: Career Research, Post Secondary Education Research, Job Hunting Skills, Decision Making, Communication Skills, Work Place Safety, Financial Management/Financial Literacy, Project Management, Leadership, Citizenship, and Entrepreneurial Basics. During this course, students will explore their answers to 3 self-defining questions: “Who am I?” “Where do I want to go?” and “How do I want to get there?” The coursework is product driven and students will create a portfolio of their work.

Students enrolled in the Applied Career Exploration and Success class at OHS have the opportunity to earn 3 (free) transferable college credits through dual enrollment in the “Academic Success Seminar” (ACSS 104) at Southern Maine Community College (SMCC).

Note: Students may enroll in this course without participating in Cooperative Education. This course is a co- or pre-requisite for participation in the Cooperative Education Program.

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Course Title:	**Work Study/Cooperative Education***	*Prerequisite:* **Career Exploration and Workplace Readiness**	
Course Number:	**CAR2521**	*Credit:*	**1**

- **1 elective credit per semester. Students are eligible to earn a maximum of 3 credits for work experiences during high school.**
- **Gain the experience employers are seeking**.

Through this program, high school students earn credit for paid, supervised work in the community. A State of Maine Cooperative Education Agreement among the parent(s), student, school and employer is completed at the beginning of the year. Employers/ supervisors evaluate work ethic, on the job skills, and workplace responsibilities. Number of hours worked varies, but students generally work an average of 10 - 15 hours per week. Enrollment in Coop exempts students from the maximum 24-hour workweek, enabling students to work up to 39 hours a week. Students must provide their own transportation to and from the job site.

Pre-requisites for Cooperative Education:1 Students must be 16 years old and have a job. Students must have taken or be enrolled in the Applied Career Exploration and Success class
STC Program Certifications
Career and Technical Education Consortium of States (CTECS) Workplace Readiness Skills Certificate
Dual Enrollment Agreement
Southern Maine Community College – 3 Credits
The STC Program Meets the Following Standards:

· Maine Learning Results: Career and Education Development Standards
· Maine CTECS Workplace Readiness Skills Standards
· Maine Statewide Career and Technical Education Cooperative Education Standards (99.1000)

Course Title:	**Self Employed Student Program**	*Prerequisite:* **Career Prep and Research**	
Course Number:	**CAR2522**	*Credit:*	**1 1**

This program provides students, who are self-employed, the opportunity to attend school and operate their businesses. Students must complete an application and interview, be on track to graduate, maintain passing grades in all subjects, maintain a Self Employment Portfolio and have appropriate behavior in and out of school. Self-Employed students will be monitored by the on-site MCST School-to-Career Coordinator. This class may be taken each semester for a credit.

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Mid Coast School of Technology

Mid-Coast School of Technology (MCST) provides a wide variety of career & technical education (CTE) programs and some academics, when needed. The goal of MCST is to prepare students for post-secondary education and training, and/or provide basic entry-level job skills for the world of work upon graduation from high school. There is every attempt to make the learning experience as much like the “real world” as possible through practical applications, hands-on skill development, and problem solving.
Most Career and Technical Education (CTE) programs are offered for one-half day at MCST. Students have the option to attend their program in the morning or afternoon depending on their personal schedules developed at their sending school. They will spend about 25% of their time in the classroom and 75% of their time in the shop/lab area. In order to offer students more of an opportunity to take programs at MCST, Introduction to Applied Technology and Principles of Engineering for 11-12 will be offered for ½ day, every-other day.
Programs of study are intended to be two years in length, unless noted otherwise**.**

New students who plan to enroll in classes at MCST are required to submit an application and are encouraged to visit the school prior to attending. Please see your School Counselor or School-to-Career Coordinator for an application and scheduling a visit *to* MCST.

Articulation Agreements

Career and Technical High Schools in Maine have a variety of Early College opportunities for students. Many of the CTE programs have negotiated agreements with Maine colleges that allow students to receive college credit for documented achievement in high school programs. Listings of MCST’s articulation agreements can be found throughout this course guide. The number of college credits granted varies depending on program and college chosen.

Concurrent Enrollment

Mid-Coast School of Technology has partnered with several Maine Community Colleges to offer students the opportunity to earn college credit in our programs. MCST instructors serve as adjunct faculty members for the partnered post-secondary organizations. After a student has successfully completed the course, he or she will earn transferable college credits. Students can earn up to 12 college credits in a MCST program.

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CAREER & TECHNICAL EDUCATION PROGRAMS

 # M -This course counts as a math experience.
#S,T This course counts as a science and technology experience.

Course Title:	**Introduction to Applied Technology / CTE Exploratory**				
Course Number:	**VOC2624**	*Credit:*	**2**	*Grade:*	**9-10**

This course is offered every other day for two periods. It is based at OHS.
Introduction to Applied Technology is a hands-on, project-based program that, through classroom participation and the shop lab, students develop specific academic, career, interpersonal and technical skills that are essential for success in a chosen MCST program as a Junior or Senior. The program enables students to explore a wide variety of career and occupational areas. Upon successfully completing the program, students can choose another program as a junior or senior. Flexible scheduling is offered.
#S- This course counts as a science experience.

Course Title:	**Auto Collision Technology I & II**				
Course Number:	**VOC2602** **VOC2651**	*Credit:*	**4**	*Grade:*	**10-12**

- **Explore welding, painting, and restoring techniques**
- **Gain hands-on collision repair experience on hotrods to new trucks**
- **Earn Industry recognized credentials**

This two-year course offers a diverse look into the automotive collision industry and prepares students for post-secondary education or entry-level positions within the field. Working in a modern collision shop environment, students use the most up-to-date tools and equipment where students will be expected to learn skills in welding, paint preparation, dent repair, detailing, etc.

Certifications: I-CAR NATEF

Examples of Career Possibilities – Automotive Repair Technician, Automotive Repair Refinisher, Automotive Sales, Insurance Estimator

#S- This course counts as a science experience.

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Course Title:	**Automotive Technology I & II**					
Course Number:	**VOC2603 VOC2652**		*Credit:*	**4**	*Grade:*	**10-12**

- **Work on student, school and community cars and trucks**
- **Earn ASE (Automotive Service Excellence) certifications to use for employment**
- **Learn from an ASE Master Mechanic**

Automotive Technology is a two-year program designed for students to gain an understanding and learn to repair different systems in today's cars: steering and suspension, brakes, engines and engine performance, electrical, heating and A/C, automatic transmission, and manual drive train. Students also learn how an auto shop works with an emphasis on safety and environmental impact. Students develop on-the-job skills of tool and equipment use along with computer information in the automotive industry focusing on promoting safe work habits and quality workmanship. The instructor is ASE (Automotive Service Excellence) certified.

Certifications: NA3SA Certification, NATEF,

Articulation Agreements

Central Maine Community College – 6 Credits
Southern Maine Community College – 3 Credits

Dual Enrollment – Eastern Maine Community College – 3 Credits

Examples of Career Possibilities – Automotive Technician, Automotive Service Management, Automotive Sales, Auto Parts Sales

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Course Title:	**Baking and Pastry**				
Course Number:	**VOC2611B**	*Credit:*	**4**	*Grade:*	**11-12**

- **Work with commercial grade baking equipment**
- **Bake pies, cakes, cookies, bagels, breads, pizzas, pastries, etc…**
- **Run the MCST World Café – Open to the Public**

Introductory pastry and baking classes provide students with an understanding of the ingredients and methods used in creating breads, pastries, cookies and other desserts. Students learn how dairy, fruits, flour and chocolate come into play with pastry and baking. The fundamentals of dough and basic decorating skills are covered, and this pastry and baking class also introduces students to baking equipment and baking costs.

Certifications: ServSafe – Food Sanitation

Articulation Agreements: Central Maine Community College, Eastern Maine Community College, York County Community College, Washington County Community College
Dual Enrollment: Eastern Maine Community College – 3 Credits
Examples of Career Possibilities – Pastry Chef, Baker, Cake Designer, Caterer, Food Sales, Restaurant Management

Course Title:	**Carpentry I & II**					
Course Number:	**VOC2604**		*Credit:*	**4**	*Grade:*	**10-12**

- **Learn basic construction techniques**
- **Build a variety of buildings (Past Projects: Tiny houses, guest cottages, homes, gazebos)**
- **Gain valuable work experience to use for employment**

This two-year program is designed to introduce students to the skills necessary to succeed in the construction and woodworking industries. In year one, students will learn the basics of building construction. Students will have the opportunity to do some of the following: use hand and power tools, basic house framing and construction, roofing, inside and outside finishes, window and door installation, and reading blueprints. In year two of the program, students will learn the basics of furniture and cabinet making.

Certifications: 10 hour and 30 hour OSHA card, NCCER Certification and National Registry

Articulation Agreements :
Eastern Maine Community College – 7 Credits
Central Maine Community College – 1 Credit

Examples of Career Possibilities – General Contractor, Sub-Contractor, Carpenter, Cabinet Maker, Hardware Sales, Architect, Draftsman, Woodworker

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Course Title:	**Certified Nursing Assistant (CNA)**				
Course Number:	**VOC2612**	*Credit:*	**4**	*Grade:*	**11-12**

- **Apply nursing techniques in the hospital and rehab settings**
- **Earn a national certification to gain immediate employment**
- **Excellent starting point for a future in all medical fields**

This one-year Certified Nursing Assistant course is a one-year program, which upon completion enables the student to sit for Maine CNA certification. The class consists of two-to-three days of academic study and two-to-three days of clinical practice in local nursing facilities. Upon completion of the program and placement on the Maine State Certified Nursing Assistant Registry, the student will be able to work in a variety of health care settings. The CNA course also offers a solid foundation for further education in the healthcare field. Students with successful completion of the Medical Science program will be given preference.

Prerequisite: Students must be 17 years of age before May of the school year in which the class is taken.

Certification

Maine State CNA Certificate

Examples of Career Possibilities – Certified Nursing Assistant (CNA), Registered Nurse (RN), Nurse Practitioner, Midwife, Doctor

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Course Title:	**Composite Manufacturing**				
Course Number:	**VOC2648**	*Credit:*	**4**	*Grade:*	**10-12**

- **Learn to use composite materials (examples: Fiberglass, Kevlar, and Carbon Fiber)**
- **Design, repair and fabricate student projects**
- **Gain valuable knowledge and skills to enter a growing industry**

This one-year program is designed to expose students to one of the fastest growing industries in the world. From skis and snowboards to airplanes and boats, composites manufacturing plays an essential role in all major industries. Students will gain a strong understanding of composite materials, shop safety, project design, and fabrication techniques. Potential projects include: small watercraft, skis, snowboards, and skateboards.

Examples of Career Possibilities – Composites Technician, Composites Engineer, Mechanical Engineer, Aerospace Engineer, Aerospace Composite Technician

Course Title:	**Hospitality - Culinary**				
Course Number:	**VOC2611C**	*Credit:*	**4**	*Grade:*	**11-12**

- **Learn how to cook international cuisine.**
- **Become an employable member of the Mid-Coast restaurant industry**
- **Prepare food for the public in the MCST World Café kitchen**

The one-year chef-based portion of the program is designed to prepare students who wish to enter the competitive field of professional cooking. The program is an overview of the basics in culinary techniques, such as measurement, following formulas, understanding nutrition, and proper knife handling and use. Proper safety and sanitation in the food service industry is emphasized.

Certifications: ServSafe – Food Sanitation

Articulation Agreements
Central Maine Community College – 3 Credits
Eastern Maine Community College – 3 Credits
Southern Maine Community College – 3 Credits
York County Community College – 3 Credits
Washington County Community College – 3 Credits

Dual Enrollment
Eastern Maine Community College 3 credits

Examples of Career Possibilities – Executive Chef, Banquet Chef, Food Sales, Restaurant Management, Restaurant Owner, Cafeteria Management, Caterer

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Course Title;	**Design/ Technology I Design/ Technology II**			*Prerequisite:* **Must take Design Tech I before taking Design Tech II**			
Course Number:	**VOC2605 VOC2644**	Level:		Credit:	**4**	*Grade*	**10-12 11-12**

THIS IS A TWO YEAR PROGRAM. YOU MUST BEGIN THE PROGRAM IN YOUR SOPHOMORE OR JUNIOR YEAR.

- **Use the latest industry recognized software.**
- **Choose between four exciting pathways: Video Game Design, Graphic Design, Audio/Video, and Animation**
- **Start building a professional portfolio to use for employment or college acceptance.**

Movies, music, and video games are part of today's lifestyle; everybody experiences these things. This is why the world needs designers. Design Tech moves students from consumers of media to creation. The courses offered include **Graphic Design, Web Design**, **TV/Film Production, Audio Production**, **Concept Design**, **3D Modeling & Animation**, **Stop Motion Animation**, **Video Game Design**, **Digital Photography**, **Lighting Design and Scenic Design**. Students work with real clients on real projects with real deadlines. This is critical not only to developing experience with real-world working conditions but also in building a portfolio that is essential to getting a job or into a college program in design. **Successful completion of this course can count as a fine art credit.**

#T- This course counts as a science experience or a fine art credit.

Dual Enrollment Agreement:
Southern Maine Community College – 12 Credits
Examples of Career Possibilities – Graphic Artist, Video Game Designer, Animator, Producer, Video Producer, Audio Technician, Set Designer, Lighting Technician, Web Designer

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Course Title;	**EMT**			*Prerequisite:* **Must be 16 before start Of class**			
Course Number:	**VOC2615**	Level:		Credit:	**4**	*Grade:*	**11-12**

- **Learn to become a first responder in emergency situations**
- **Earn a nationally recognized credential and 5 ½ college credits**
- **Excellent start to a career in any medical field**

The Emergency Medical Technician (EMT) program studies the human body and prepares students to help people who are sick or injured. As a part of the course, the student will spend time riding with ambulance services and working in emergency rooms in the area, assisting with patient care. Emergency care skills are practiced in the classroom. This program is a great start for anyone thinking about going into the medical field. This program will be offered in the afternoon session only. **Successful completion of this course can count as the third required science credit. *#S- This course counts as a science experience.***

Certifications: EMT-B license
Articulation Agreement: Kennebec Valley Community College – 3 Credits
Dual Enrollment Agreement: Eastern Maine Community College – 5 ½ Credits
Examples of Career Possibilities – Emergency Medical Technician, Registered Nurse, Paramedic, Life Flight Paramedic, Flight Nurse, FireFighter

Course Title;	**Firefighting**			*Prerequisite:* **Must be 16 before Course starts**		
Course Number:	**VOC2614**	Level:		Credit:	**4**	

- **Fight propane, car, and structural fires**
- **Become an active member of the firefighting community**
- **Earn state certifications recognized in 34 states**
- **Gain income as a volunteer firefighter (stipends are paid by the majority of Midcoast towns.)**

The firefighting program teaches basic firefighting skills used in fire service. As a part of the program students will extinguish vehicle, propane and structure fires. Students will learn skills using fire fighting tools, safety procedures, etc. The program prepares students for a career in public safety or to work in the community as a volunteer. This program will be offered in the morning session only. Interested applicants should be aware that this program requires a commitment outside the regular school day for training (some evenings & weekends).**Successful completion of this course can count as the third required science credit or as a science experience.**

Certifications: State of Maine Fire Fighting Certification - Firefighter 1 & 2
Examples of Career Possibilities – FireFighter, Emergency Medical Technician, Nurse, Paramedic, Police Officer, Military

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Course Title:	**Machine Shop I & II**				
Course Number:	**VOC2609** **VOC2654**	*Credit:*	**4**	*Grade:*	**10-12**

- **Learn to shape and form metal using machines**
- **Use manual and computerized lathes and mills**
- **Design and machine school and student projects (Past Student Projects: Engine parts, air engines, cell-phone holders, mechanical gears…)**

Gears, nuts, bolts, screws form the basis of machines, and the Machine Shop program is designed to teach students how to use and make parts. Students experience that Machine Shop is the heart of manufacturing. They learn how to use tools and machines to shape, create and form metal into functioning pieces of machinery. The course also prepares students for post secondary education or to directly enter the workforce.
Articulation Agreements: Central Maine Community College, Northern Maine Community College, Southern Maine Community College, Kennebec Maine Community College
Dual Enrollment Agreement ; Central Maine Community College – 4 Credits
Examples of Career Possibilities – Machinist, CNC Programmer, Gunsmith, Mechanical Engineer, Marine Engineer, Artist, Tool and Die Maker
#S- This course counts as a science experience.

Course Title:	**Marine Technology**				
Course Number:	**VOC2607**	*Credit:*	**4**	*Grade:*	**10-12**

- **Learn to install and repair marine systems (fuel, plumbing, electrical, engine)**
- **Learn to lay and infuse composite materials (Fiberglass, Carbon Fiber, Kevlar)**
- **Gain valuable experience to use in a variety of marine related professions**

Marine Technology prepares the student for a successful career in the marine industry. Boatbuilding and system repair basics include both traditional and modern construction techniques from resin infusion to electrical system repair. The program focuses on providing a clear understanding of the boatbuilding and repair processes. Strong emphasis is placed on modern materials, methods, and techniques. Special priority is given to safety, safe work habits, and proper personal protection.

Examples of Career Possibilities – Boat Builder, Fisherman, Marine Repair Technician, Marine Sales, Laminator, Marine Engineer, Artist

#S- This course counts as a science experience.

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Course Title:	**Medical Science For Health Occupations**				
Course Number:	**VOC2613**	*Credit:*	**4**	*Grade:*	**10-12**

- **Learn anatomy and physiology and medical terminology directly related to medical professions**
- **Explore medical careers and regional medical facilities**
- **Course taught by a Registered Nurse with 40 years of experience**

The one-year Medical Science for Health Occupations course is designed for students who are interested in pursuing a career in the healthcare field. The course integrates anatomy and physiology and advanced biology and explores the role of ethics. This “hands on” applied course consists of skills lab, career exploration, medical field projects and integrated research projects. This program prepares students for careers or post-secondary programs related to the healthcare field.

Articulation Agreement : Southern Maine Community College – 3 Credits
Beal College – 6 Credits

Concurrent Enrollment : Central Maine Community College – 3 Credits

Examples of Career Possibilities – Physician, Physician Assistant, Physical Therapist, Occupational Therapist, Registered Nurse, Nurse Practitioner, Paramedic, Medical Assistant, Radiologist

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Course Title:	**Outdoor Leadership I & II**				
Course Number:	**VOC2647**	*Credit:*	**4**	*Grade:*	**10-12**

- **Learn a variety of outdoor skills**
- **Earn multiple industry credentials**
- **Develop leadership capabilities**

The 2-year Outdoor Leadership program will provide the basic training and skills necessary to students that are interested in pursuing postsecondary education and/or employment in the many professions that relate to the outdoors. Additionally, graduates will gain the skills and confidence they need to pursue leadership positions in any industry. Students will be challenged physically, mentally, and academically while developing their potential for leadership, teamwork, and service using the outdoor world as their classroom.

Year 1 - Course topics may include: Basic Outdoor Skills, Canoe and SUP, Winter Camping, Snowshoeing/ X-Country Skiing, Trail Building, Basic Survival, Leave No Trace Ethics, Fly Fishing, Team Building and Leadership, Map and Compass, Boater's Safety, Outdoor Cooking, and Naturalist Studies.

Year 2 - Course topics may include: Sea Kayak, Ocean Navigation, Advanced Canoeing, Rock Climbing, Search and Rescue, Mapping/Surveying/GIS, Teaching and Service, Conflict Resolution, Expedition Planning, Sailing, and Lifeguarding.

Possible Certifications
Registered Maine Guide
Wilderness First Aid
Advanced Wilderness First Aid
Leave No Trace Trainer
Basic Search and Rescue
Lifeguard
Mid-Coast Nature Steward
Maine Boating Safety

Concurrent Enrollment
Washington County Community College - 9.5 Credits

Examples of Career Possibilities – Adventure Educator, Recreational Guide, Field Scientist, Park Ranger, Forester, Marine Patrol, Game Warden, Military, Search & Rescue, AmeriCorps Member, Teacher, and Camp Counselor, among others.

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Pre-Engineering Courses

Course Title:	**Pre-Engineering**				
Course Number:	**VOC2666**	*Credit:*	**4**	*Grade:*	**10-12**

- **Use commercial grade engineering equipment (3D Printers, Robotic Arms, CNC Mills, CNC, Lathes)**
- **Aligned with the University of Maine Engineering Program**
- **Learn from a Mechanical Engineer**

Pre-Engineering introduces students to the language and methods used by engineers in industry. This course develops understanding of several disciplines of engineering (mechanical, electrical, civil and others) and allows students to experience projects that draw from several of these disciplines. Research and use of a developed design process is encouraged, and students have the opportunity to research, prototype and test solutions to real life problems. Students will also learn about the physical science and mathematical models engineers use to describe and explain interactions we see in our daily lives, and how these interactions influence an engineering design process.

Examples of Career Possibilities – Civil Engineer, Architect, Drafting and Design Engineer, Mechanical Engineer, Geological Engineer, Aerospace Engineer, Automotive Engineer, CNC Programmer

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Course Title;	**Small Engine/Compact Diesel Tech I & II**			***Prerequisite:*** **Small Engines**			
Course Number:	**VOC2605 VOC2644**	Level:		Credit:	**4**	*Grade*	**10-12**

- **Learn operation fundamentals, service, diagnosis, and repair of gas and diesel engines.**
- **Work on lawnmowers, snowmobiles, four wheelers, dirt bikes, chainsaws, and compact diesel engines.**
- **Work on student, school, and community projects.**

This program offers students the basics that an entry-level technician needs to gain employment, along with a solid foundation required to turn a job into a career. The mark of a skilled technician is the ability to diagnose mechanical, fuel, and electrical problems, and to make repairs in a minimal amount of time. This requires problem-solving abilities along with a thorough knowledge of the use of shop manuals. Students work on outdoor power equipment such as lawn mowers, trimmers and riding tractors as well as powersports vehicles like ATV's, snowmobiles, and motorcycles. Outboard marine engines are part of the program as well. Due to the increasing complexity of small engines in general, most employers prefer to hire technicians who graduate from formal training programs. This course of study provides a beginning to the formal training process.

Certifications: EETC Certificates – Equipment and Engine Training Council

Articulation Agreement:Eastern Maine Community College - 3 Credits

Concurrent Enrollment :Washington County Community College - 3 Credits

Examples of Career Possibilities – Small Engine Technician, Diesel Technician, Automotive Technician, Power sports Technician, Sales, Own/Operate Small Business

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Course Title:	**Welding and Fabrication I & II**					
Course Number:	**VOC2608**		*Credit:*	**4**	*Grade:*	**11-12**

- **Learn how to weld with Stick, MIG, TIG, and Flux Core**
- **Design and Fabricate custom projects**
- **Learn how to program and use a robotic welder and PlasmaCam.**

This two-year program provides a foundation in welding safety and conventional stick welding required for entry-level metal fabrication. Additional industrial welding skills are covered as well. Also included are skills for cutting metal using a variety of methods and machines. First year students learn the skills needed for two types of welding. Second year students expand on their welding knowledge and skills with three additional welding processes. In addition, second year students who have shown significant progress with the welding process will be able to work with the industrial welding robot.

Certifications: Certified Welder AWS (American Welding Society)

Concurrent Enrollment: Eastern Maine Community College – 3 Credits

Examples of Career Possibilities – TIG/MIG Welder, Stick Welder, Fabricator, Engineering Technician, Manufacturer, Welding Supervisor, Underwater Welder, Mechanical Engineer, Welding Inspector

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MSCT COURSES FOR MATH AND SCIENCE CREDIT AND/OR EXPERIENCE

SCIENCE	Science Credit- Gives you your third required science credit	Science elective and/or experience (does not count as 3rd. required Science)
Pre-Engineering	X	
EMT	X	X
CNA		X
Medical Science	X	X
Firefighting	X	X
Intro. To Applied Tech		X
Auto Collision		X
Auto Technology		X
Diesel Technology		X
Machine Shop		X
Marine Technology		X
Residential Carpentry		X
Welding		X

MATH	Third Math Credit	Experience
Pre-Engineering		X
Marine Technology		X
Residential Carpentry		X

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APPENDIX A

GRADUATION STANDARDS:

ENGLISH

RC - READING COMPREHENSION Read and comprehend appropriately complex literary and informational texts independently and proficiently.

RI - READING INTERPRETATION Interpret, analyze, and evaluate appropriately complex literary and informational texts.

SLD - SPEAKING AND LISTENING DISCUSSION Initiate and participate effectively in a range of discussions, responding thoughtfully to diverse perspectives, and expressing ideas clearly and persuasively.

SLP - SPEAKING AND LISTENING PRESENTATION Present information, findings, and supporting evidence, conveying a clear and distinct perspective

WA - WRITING ARGUMENTS Write clear and coherent arguments for a range of tasks, purposes, and audiences.

WIN - WRITING INFORMATIVE AND NARRATIVE TEXTS Produce clear and coherent informative and narrative writing for a range of tasks, purposes, and audiences.

WP - WRITING PROCESS Develop and strengthen writing.

WR - WRITING RESEARCH Conduct short and sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

MATH

A - ALGEBRA Interpret, represent, create and solve algebraic expressions.

G - GEOMETRY Prove, understand, and model geometric concepts, theorems, and constructions to solve problems.

F - FUNCTIONS Interpret, analyze, construct, and solve linear, quadratic, and trigonometric functions.

NQ - NUMBERS AND QUANTITIES Reason and model quantitatively, using units and number systems to solve problems.

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SP - STATISTICS AND PROBABILITY Interpret, infer and apply statistics and probability to analyze data and reach and justify
conclusions.

SCIENCE

SFIF - STRUCTURE, FUNCTION, AND INFORMATION PROCESSING Understand and analyze molecular, structural, and chemical
biology as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (LS 1)

MEOP - MATTER AND ENERGY IN ORGANISMS AND ECOSYSTEMS Understand and analyze the characteristics, functions, and
behavioral interactions within an ecosystem as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (LS 2)

GDRONSE - GROWTH, DEVELOPMENT, AND REPRODUCTION OF ORGANISMS, NATURAL SELECTION, AND ADAPTATIONS
Understand and analyze genetics, adaptation, and biodiversity as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (LS 3 + LS 4)

ESU - EARTH, SPACE, AND THE UNIVERSE Understand and analyze the origins, interactions and relationships between and among
the earth, our solar system, and the universe as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (ESS1)

ES - EARTH SYSTEMS Understand and analyze earth's systems and the relationship between human activity and the earth as
demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (ESS 2 + ESS 3)

SPM - STRUCTURE/PROPERTIES OF MATTER Understand and analyze matter, reactions as demonstrated through the integration of
scientific and engineering practices and cross-cutting concepts (PS 1)

FIEW - FORCES, AND INTERACTIONS Understand and analyze physical systems demonstrated through the integration of scientific
and engineering practices and cross-cutting concepts (PS 2); Understand and analyze energy and the characteristics and dynamics of waves as demonstrated through the integration of scientific and engineering practices and cross-cutting concepts (PS 3 + PS 4)

SOCIAL STUDIES

App - APPLICATIONS OF SOCIAL STUDIES PROCESSES, KNOWLEDGE AND SKILLS:
Collaboratively and independently, research, present and defend discipline-based

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processes and knowledge from civics/government, economics, geography and history in authentic contexts.

CE - CIVIC ENGAGEMENT: Apply the attributes of a responsible and involved citizen to affect a real world issue based on a local need.

CG - CIVICS AND GOVERNMENT: Apply understanding of the ideals and purposes of founding documents, the principles and structures of the constitutional government in the United States, and the American political system to analyze interrelationships among civics, government and politics in the past and the present, in Maine, the United States and the world.

E - ECONOMICS: Understand and apply the concepts and processes from economics to understand issues of personal finance and issues of production, distribution and consumption in the community, Maine, the United States and the world.

G - GEOGRAPHY: Analyze the physical, human and environmental geography of Maine, the United States and various regions of the world to evaluate the interdependent relationships and challenges facing human systems in the past, present and future.

H - HISTORY: Apply and demonstrate knowledge of major eras, enduring themes, turning points and historic influences to analyze
the forces of continuity and change in the community, the state, the United States and the world.

WORLD LANGUAGE

C - COMMUNITIES Encounter and use the target language both in and beyond the classroom for personal enjoyment and lifelong
learning.

CP - COMPARISON OF PRACTICES, PRODUCTS, AND PERSPECTIVES Compare the nature of language and the culture(s) of the
target language with one's own.

IC - INTERPRETIVE COMMUNICATION Understand and interpret written and spoken language on a variety of topics.

IPC - INTERPERSONAL COMMUNICATION Engage in conversations and informal written correspondence on a variety of topics.

PC - PRESENTATION COMMUNICATION Present information, concepts and ideas, orally and in writing, to an audience of listeners
or readers on a variety of topics.

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VISUAL & PERFORMING ARTS

DL - DISCIPLINARY LITERACY Students show literacy in the discipline through understanding and demonstrating concepts, skills,
terminology, and processes.

CPE - CREATION, PERFORMANCE, EXPRESSION Students create, perform, and express ideas through the art discipline.

CPS – CREATIVE PROBLEM SOLVING Students approach artistic problem-solving using multiple solutions and the creative process.

AC - AESTHETICS AND CRITICISM Students approach artistic problem-solving using multiple solutions and the creative process.

C – CONNECTIONS Students understand the relationship among the arts, history and world culture; and they make connections
among the arts and to other disciplines, to goal-setting, and to interpersonal interaction.

PHYSICAL EDUCATION

MMSK – MOVEMENT/MOTOR SKILLS AND KNOWLEDGE Demonstrate the fundamental and specialized motor skills and apply principles of movement for improved performance.

PFAK – PHYSICAL FITNESS ACTIVITIES AND KNOWLEDGE Demonstrate and apply fitness concepts.

PSSL – PERSONAL AND SOCIAL SKILLS AND KNOWLEDGE Demonstrate and explain responsible personal behavior and responsible
social behavior in physical activity settings.

HEALTH

HC – HEALTH CONCEPTS Students comprehend concepts related to health promotion and disease prevention to enhance health.

HI/P – HEALTH INFORMATION PRODUCTS, AND SERVICES Demonstrate the ability to access valid health information, services, and
products to enhance health.

P&RR – HEALTH PROMOTION AND REDUCTION Demonstrate the ability to practice health - enhancing behaviors and avoid or reduce health risks.

IH – INFLUENCES ON HEALTH Analyze the ability of family, peers, culture, and other factors to enhance health.

CS,DM,A - **Communication Skills, Decision Making, and Advocacy** Demonstrate the ability to use inter-personal communication and

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advocacy skills, make decisions, and set goals to enhance personal, family and community health.

CAREER PREP
SKIR - SELF-KNOWLEDGE AND INTERPERSONAL RELATIONSHIPS Assess and demonstrate a thorough understanding of the
knowledge, attitudes, behaviors and skills needed to be successful in school, careers, civic life, and relationships with others.

ECL - EDUCATION, CAREER AND LIFE ROLES Demonstrate an understanding of the relationship between the changing nature of
work in a 21st century global economy and educational requirements; how learning new skills and educational achievement lead to increased career options and lifelong learning.

MDPP - MAKING DECISIONS, UTILIZING A PLANNING PROCESS, CREATING OPPORTUNITIES AND MAKING MEANINGFUL
CONTRIBUTIONS Demonstrate effective decision-making and planning skills in their pursuit of success in education, work and citizenship roles.
ADDITIONAL STANDARDS:

COMPUTER WEB DESIGN
Standard 1: Demonstrate employability skills required by business and industry

Standard 2: Plan, develop, implement, and resolve ethical issues involved in creating and publishing a website.

Standard 3: Create documents using a variety of tags following coding practices commonly used to create webpages.

Standard 4: Create web sites and enhance web pages using a variety of tools.

Standard 5: Test, analyze, and identify performance issues related to publishing and maintaining web sites.

COMPUTER OFFICE
Standard 1: Communication technology and life

Standard 2: Electronic Filing Systems

Standard 3: Using System Software

Standard 4: Access and Navigation of Resources

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Standard 5: Citing, Research, and Reliability