

Maranacook Community High School



**Program of Studies
2018 – 2019**



Dear Maranacook Families,

This publication outlines the courses we will offer for the 2018-19 school year and the required standards for graduation. Please read this document carefully so that you can make informed decisions for next year and beyond.

COURSE OFFERINGS. Each year the guidance department along with school administration and department leaders reviews our course offerings in order to best serve student needs and interests. We are so proud of the offerings we have added over the past few years including over 100 credits of dual enrollment, cutting edge robotics courses and challenging fine arts courses as well as numerous academic and behavior supports. As you read, please keep in mind it is possible not all the courses listed will be offered, depending on scheduling and enrollment.

GRADUATION REQUIREMENTS. Please make sure that you are planning your progress toward graduation. To ensure that students have a well-rounded education and to meet state requirements, we have a range of graduation requirements. These are outlined in the “Academic Requirements” section. These requirements include course credits and demonstration of achievement of the Maine Learning Results.

Our incredible Guidance Department is here to support you with planning your progress through high school. If you have any questions, please contact your School Counselor for clarification.

Kim Radley – Guidance Director/School Counselor (A-J)

Sara Chisholm - School Counselor (K-Z)

Chris Tamborini – Guidance Administrative Assistant

MAKE IT COUNT. We will do anything we can to support you while you’re at Maranacook to help you reach your goals, but remember at the end of the day the person most responsible for your success is you. You need to show up at school each day with a positive attitude, ready to work your hardest. Hard work will take you anywhere you want to go in life. Please don’t sell yourself short by missing school or not giving school your best effort. We believe in you! We offer an extraordinary range of programs and resources here at MCHS. Our hope is that every student will find a place where they feel challenged and supported.

Sincerely,

Dwayne Conway, Principal

Kristen Levesque, Assistant Principal

Maranacook Community High School
2250 Millard Harrison Drive, Readfield, ME 04355
Telephone: 685-4923 Fax: 685-9597

DIRECTORY

Principal	Dwayne Conway	Ext 1022
Assistant Principal	Kritsen Levesque	Ext 1040
Student Services Director	Al MacGregor	Ext 1045
School Counselor (Last Names A-J)	Kimberly Radley	Ext 1070
School Counselor (Last Names K-Z)	Sara Chisholm	Ext 1048

Guidance Services

The school counselors provide counseling programs in three domains: academic achievement, career planning, and personal/social development. Our services help students resolve emotional, social, or behavioral problems and help them develop a clearer focus or sense of direction. An effective counseling program is important to our school climate and crucial element in improving student achievement and well-being. Above all, school counselors are student advocates who consult and collaborate with teachers, administrators, and families to help students be successful. The Guidance office is available to assist students in making course selections and career and post-secondary plans. Students and parents are encouraged to make an appointment to discuss any concerns with one of the school counselors.

Report Card & Progress Reports

A computer-generated report card is mailed each semester. The district uses PowerGrade as its electronic grading system. Grades can be accessed by staff, students and parents via the Web throughout the school year. Please contact the front office for assistance with passwords and logins.

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Courses in this Program of Studies will be offered depending on enrollment and budgetary support.

COURSE SELECTION INFORMATION

The academic program at Maranacook Community School includes a wide variety of courses. The courses students take in high school affect their options when they graduate. For this reason, we promote a four-year perspective on course selection for students and strongly encourage parental involvement. Parents and students should work with advisors and the guidance office to plan a four-year sequence of courses. We encourage parents and students to think about the recommended courses for various post-secondary opportunities.

Four Year Colleges – Most four year colleges require the following courses for admission, as well as a placement test to determine college readiness in writing, reading and math:

A minimum of:

English Four years of College Prep, Honors or Advanced Placement

Mathematics Four years of College Prep, Honors or Advanced Placement

Science Three years of College Prep or Honors

History Three years of College Prep, Honors or Advanced Placement

Foreign Language Two to three years of a Foreign Language in the same concentration

Two Year Community Colleges and/or Certificate Programs – Carefully check admission requirements for the program in which you are interested. Students may be asked to take additional tests as part of the admission process.

A minimum of:

English Four years of College Prep

Mathematics Three years of College Prep or Applied

Science Three years of College Prep or Applied

Employment – Students must complete all requirements for a Maranacook Community High School diploma to improve their chances of gainful employment.

- It is strongly recommended that students selecting this path attend the Capital Area Technical Center (CATC) during their junior and/or senior year. The CATC experience will help students to develop interests, aptitudes and skills that will enable them to more effectively compete in the workforce.

Academic Preparation Chart

<u>Subject</u>	<u>Up Through Class of 2020 Requirements</u>	<u>Class of 2021 and beyond (plus proficiency)</u>	<u>Technical/Vocational College Preparation</u>	<u>Four Year College Preparation</u>	<u>Selective College Preparation</u>
English	4 credits	4 credits	4 credits	4 credits	4 credits Honors/AP
Math	3 credits	3.5 credits	3 credits	3 credits	4 credits Honors/AP
Science	3 credits	3.5 credits	2 credits	3+ credits	4 credits Honors/AP
History	3 credits	3.5 credits	2 credits	3 credits	4 credits Honors/AP
Language		2 credits	Recommended Not Required	2 credits Minimum Same Language	3+ credits Minimum Same Language
Fine Arts	1 credit	1 credit			
Physical Education	1.5 credits	1.5 credits			
Health	.5 credits	.5 credits			
Electives	5.5 credits	3.5 credits	Appropriate to Interest	Appropriate to Interest	Appropriate to Interest

Permission to Drop a Course:

Each student is expected to carry a minimum of 6 courses or the equivalent each semester. Once a course is elected, the student is expected to complete it. However, a limited add/drop period of 5 days is held at the beginning of each semester. To add or drop a course after the add/drop period, a special form must be secured from the guidance counselor, filled in, and signed by student, parent, subject teacher, advisor, and counselor. ***Courses may only be dropped within the first two weeks of each semester.*** Exceptions may be requested in extreme circumstances through the guidance counselor, and approval may ultimately be granted by an administrator.

CURRICULUM REQUIREMENTS

Policy: IKF

REGIONAL SCHOOL UNIT #38 GRADUATION REQUIREMENTS

Before entering high school, students need to know the requirements for attaining a high school diploma in order to plan an appropriate, sequential, educational program to meet that goal.

RSU #38 is implementing a proficiency-based system of learning as required by Maine law. To be awarded a high school diploma from Maranacook Community High School, students graduating in the Class of 2021 and beyond will need to demonstrate proficiency in the Guiding Principles and content areas of the Maine Learning Results, and fulfill all additional graduation requirements set by the School Board.

Students graduating in the Classes of 2017-2020 must meet the credit and other graduation requirements as specified in the previous RSU #38 Graduation Requirements Policy dated March 3, 2005. (Attachment A)

A student who would have graduated with the Class of 2020 and have been awarded a diploma at commencement but for his/her failure to earn sufficient credits or meet other requirements set by School Board policy will have until June 30, 2020 to fulfill the graduation requirements applicable to the Class of 2020. As of July 1, 2020 students will be required to fulfill Policy IKF requirements below.

The Superintendent, through the high school principal or other designee, shall be responsible for making available accurate information concerning graduation requirements to incoming students and their parents prior to the start of their ninth grade school year. A copy of this policy will be disseminated to all incoming ninth grade students at the time of course selection. This policy will also be included in every edition of the high school student handbook.

The School Board has approved the following schedule of minimum requirements for graduation, which includes minimum requirements specified by the State of Maine. The School Board is aware that current law and regulations are subject to change.

The School Board expects the Superintendent/designee to inform students and parents as soon as practicable of any additional State-imposed standards that must be met before students may be awarded a high school diploma.

I. DIPLOMA REQUIREMENTS FOR STUDENTS GRADUATING IN THE CLASS OF 2021 AND BEYOND

Contingent on Department of Education approval of the RSU #38's schedule for implementation of proficiency-based diploma requirements after July 1, 2020, the awarding of a diploma from Maranacook Community High School will be contingent on the demonstration of proficiency in the Guiding Principles and content areas of the Maine Learning Results as described below. Students will also need to fulfill all additional graduation requirements set by the School Board.

Students can satisfy graduation requirements through educational experiences at Maranacook Community High School through a sequence of educational (learning) experiences/courses providing opportunities to gain and demonstrate proficiency in all of the content areas of the Learning Results and in the cross-content Guiding Principles of the Learning Results.

The following diploma requirements will be phased in from the 2020-2021 school year to the 2024-2025 school year in accordance with Maine State Law. (Refer to Proficiency Handbook)

1. A student graduating in the graduating class of 2020-2021, must demonstrate proficiency in meeting the state standards in the content areas of English language arts, mathematics, science and technology, and social studies;
2. A student graduating in the graduating class of 2021-2022, must demonstrate proficiency in meeting the state standards in the content areas of English language arts, mathematics, science and technology, social studies, and at least one additional content area of the student's choice;
3. A student graduating in the graduating class of 2022-2023, must demonstrate proficiency in meeting the state standards in the content areas of English language arts, mathematics, science and technology, social studies, and at least 2 additional content areas of the student's choice;
4. A student graduating in the graduating class of 2023-2024, must demonstrate proficiency in meeting the state standards in the content areas of English language arts, mathematics, science and technology, social studies, and at least 3 additional content areas of the student's choice; and
5. A student graduating in the graduating class of 2024-2025 and for each subsequent graduating class, must demonstrate proficiency in meeting the state standards in all content areas.

For the purposes of this paragraph, "content areas" refers to the content areas of the system of learning results established under section 6209.

English
Language Arts
Mathematics
Science and
Technology
Social Studies
Health Education and Physical
Education Visual and Performing
Arts
World Languages

Career and Education Development

In addition, RSU #38 requires students to complete the following:

1. **English:** 4 credits, 1 content specific experience per year;
2. **Math:** 3.5 credits, 1 content specific experience per year;
3. **Science:** 3.5 credits, 1 content specific experience per year;
4. **Social Studies:** 3.5 credits, 1 content specific experience per year;
5. **World Languages:** 2 credits in the same language
* If proficiency is demonstrated after 1 credit the student may take a different language, *credit from 8th grade World Language class will be awarded if student reaches Level 1 Proficiency prior to start of 9th grade year;
6. **Fine Arts:** 1 credit;
7. **Physical Education:** 1.5 credits;
8. **Health:** .5 credits;
9. **Technology:** .5 credits;
10. **Financial Literacy:** .5 credits; and
11. **Electives:** 3.5 credits.

Total Credits: 24

II. MULTIPLE PATHWAYS FOR EDUCATIONAL EXPERIENCES

Students may choose from multiple pathways for educational experiences and/or credits in order to gain and demonstrate proficiency in the required Maine Learning Results. In addition to taking courses offered by Maranacook Community High School, a student may demonstrate proficiency and/or earn credits through non-traditional pathways. Examples of non-traditional classes include, but are not limited to:

- Early college/dual enrollment courses
- Career and technical education programming
- Online/virtual learning
- Apprenticeships, internships and/or field work
- Community Service
- Exchange programs
- Independent study
- Alternative education/“At Risk” programming
- Adult education

Each pathway must provide a quality learning experience comparable in rigor to the school unit’s own educational experience (course) offerings.

If a student wishes to gain and demonstrate proficiency in specific content areas through non-traditional experiences (multiple pathways) the student must submit a plan to the Multiple Pathways Committee. The plan must detail how the pathway will provide exposure to the content standards of the Learning Results and/or the Guiding Principles and how the student will demonstrate proficiency in meeting the standards and/or credit requirements. The plan must be approved by the Multiple Pathways

Committee. Following completion the student must demonstrate proficiency to the Committee by presenting multiple types of evidence, including but not limited to teacher-designed or student-designed assessments.

III. STUDENTS RECEIVING SPECIAL EDUCATION SERVICES

A student with a disability may meet graduation requirements and become eligible for a diploma by demonstrating proficiency in state standards established in the system of learning results through performance tasks and accommodations that maintain the integrity of the standards as specified in the student's individualized education program by the student's individualized education program team.

IV. INFORMING STUDENTS AND PARENTS

The Superintendent/designee will inform students and parents, as soon as practicable, but prior to the start of the class cohort's 9th grade school year of any State-imposed proficiency standards/requirements that must be met before students may be awarded a high school diploma.

V. ADDITIONAL CONSIDERATIONS APPLICABLE TO THE AWARDING OF A DIPLOMA FROM MARANACOOK COMMUNITY HIGH SCHOOL

This section applies to all students, in all graduation classes.

A. Transfer Students

For students who transfer to Maranacook Community High School from another state or from an educational program that is not required to be aligned with the content standards of the system of Learning Results, the Maranacook Community High School Principal shall

determine the value of the student's prior educational experience towards meeting graduation requirements.

B. Home-schooled Students

For previously home-schooled students wishing to receive a diploma from Maranacook Community High School, the Maranacook Community High School Principal shall determine the value of the student's prior educational experience toward meeting graduation credit requirements. A home-schooled student must be a full time student at Maranacook Community High School for their senior year.

C. Early Awarding of Diplomas

A student who has met the State's and the School Board's diploma requirements in fewer than four years of high school will be awarded a diploma.

D. 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.

E. Certificate of Completion

The School Board may provide a certificate of completion to a student who leaves school having completed four years attendance as a full-time high school student who has earned/completed the required credits or courses/learning experiences but has not met Learning Results proficiency standards that may be mandated by the State.

F. Advanced Levels of Proficiency

Advanced levels of proficiency accomplishment in a content area will be recognized at the time of graduation.

G. Participation in Graduation Ceremony

A student must complete all School Board requirements for a high school diploma or certificate of completion in order to participate in graduation exercises.

Legal Reference: 20-A MRSA § 4502(8), 4722, 6209

Ch. 127 § 7 (Me. Dept. of Ed. Rule)

Cross Reference: IHEDA – Post-Secondary Enrollment Options

Attachment A, Graduation Requirements Policy dated March 3, 2005

MARANACOOK COMMUNITY HIGH SCHOOL

CORE VALUES AND BELIEFS STATEMENT AND STUDENT EXPECTATIONS FOR LEARNING

The purpose of Maranacook Community High School is to create an environment where every individual can flourish academically and socially. Through respect, knowledge, and responsibility, the school community promotes character building, 21st century skill development, and personal fulfillment.

- Students will be responsible, trustworthy, and honest citizens and be effective, fair, ethical, and skilled collaborators.
- Students will be clear and effective communicators.
- Students will be creative and innovative learners.
- Students will be active, engaged, and motivated learners.
- Students will be rational, explorative, and creative problem solvers.

MARANACOOK COMMUNITY HIGH SCHOOL

HABITS OF WORK

For greater detail on the habits expected, please refer to Maine’s Guiding Principles (MGP), specific locations noted below.

A COLLABORATIVE LEARNER

MGP: B.7; C.4; C.6; D.1; D.4; D.5; D.6

- Participates positively and promotes a safe learning community
- Works independently and/or collaboratively to solve problems

○

A QUALITY LEARNER

MGP: A.1; A.2; A.3; A.4; B.2; C.1; C.2; C.3; E.2; E.4

- Uses sound logic and communicates appropriately
- Defines problems, sets goals, and makes informed decisions
- Uses time wisely

A RESPONSIBLE LEARNER

MGP: B.1; B.3; B.4; B.5; B.6; C.5; C.7; D.2; D.3; E.1; E.3

- Perseveres and demonstrates initiative and independence
- Demonstrates ethical behavior and accepts responsibility
- Punctual and consistently completes work

4—Always, 3—Usually, 2—Sometimes, 1—Rarely or never

MAINE GUIDING PRINCIPLES

A. A clear and effective communicator who:

1. Demonstrates organized and purposeful communication in English and at least one other language
2. Uses evidence and logic appropriately in communication
3. Adjusts communication based on the audience
4. Uses a variety of modes of expression (spoken, written and visual and performing including the use of technology to create and share the expressions)

B. A self-directed and lifelong learner who:

1. Recognizes the need for information and locates and evaluates resources
2. Applies knowledge to set goals and make informed decisions
3. Applies knowledge in new contexts
4. Demonstrates initiative and independence
5. Demonstrates flexibility including the ability to learn, unlearn and relearn
6. Demonstrates reliability and concern for quality
7. Uses interpersonal skills to learn and work with individuals from diverse backgrounds

C. A creative and practical problem solver who:

1. Observes and evaluates situations to define problems
2. Frames questions, makes predictions and designs data/information collection and analysis strategies
3. Identifies patterns, trends and relationships that apply to solutions
4. Generates a variety of solutions, builds a case for a best response and critically evaluates the effectiveness of the response
5. Sees opportunities, finds resources and seeks results
6. Uses information and technology to solve problems
7. Perseveres in challenging situations

D. A responsible and involved citizen who:

1. Participates positively in the community and designs creative solutions to meet human needs and wants
2. Accepts responsibility for personal decisions and actions
3. Demonstrates ethical behavior and the moral courage to sustain it
4. Understands and respects diversity
5. Displays global awareness and economic and civic literacy
6. Demonstrates awareness of personal and community health and wellness

E. An integrative and informed thinker who:

1. Gains and applies knowledge across disciplines and learning contexts and to real-life situations with and without technology
2. Evaluates and synthesizes information from multiple sources
3. Applies ideas across disciplines
4. Applies systems thinking to understand the interaction and influence of related parts on each other and on outcomes

DUAL ENROLLMENT OPPORTUNITIES

Maranacook Community High School is proud to offer Dual Enrollment opportunities for students to earn college credit through high school courses. Dual Enrollment classes are designated within the program of studies with the emblem of the college awarding the credits. At the beginning of each semester, students and parents must complete the paperwork required by the college to earn college credit. This paperwork is sent home in the beginning of the year packets. **Being in the course does not automatically ensure credit.**

Maranacook also offers students the opportunity to earn an Associate's Degree while in high school through a partnership with Thomas College. Students apply to the Pathways Program at the end of their sophomore year in high school. Any questions regarding the program and how to apply can be directed to the student's school counselor.

The Dual Enrollment Handbook can be found on the Maranacook Website under the guidance department.

ENGLISH LANGUAGE ARTS

Students are required to complete four years of progressive English study. Students must complete each grade level of English before moving on to the next one.

COURSE TITLE	LEVEL	LENGTH	PREREQUISITE
English 9	CP, Honors	Year	
English 10	CP, Honors	Year	English 9
Junior Topics in Literature	CP	Year	English 10
Honors American Literature	Honors	Year	Recommendation of Instructor
AP Language & Composition	AP, DE	Year	Permission of Instructor
Senior Topics in Literature CP	CP	Year	Junior Topics in Literature
Honors English Seminar	Honors	Year	Permission of Instructor
AP Literature & Composition	AP, DE	Year	Permission of Instructor
Creative Writing		Semester	
Writing Center Tutor		Year/Semester	Teacher Permission/Application
Journalism		Semester	
Combat Fiction		Semester	
Literature in Sports		Semester	
Mindfulness Practices through Literature		Semester	
Public Speaking	DE	Semester	

Honors courses are for students who choose to work at an accelerated pace and pursue in-depth study. Students in these courses read more difficult materials, apply more abstract concepts and work at a faster pace. Prior summer reading and writing are required for entering these classes. At this level, students are expected to read 20-30 pages for homework independently as well as completing all homework assignments regularly. Class work will include daily readings, writing assignments, vocabulary work, journals, and discussions.

College Prep courses help students master the language and composition skills needed to write clearly and effectively. In addition, students study literature and become familiar with various literary genres. As in all English courses, students work to improve their reading, writing, and thinking skills.

Course Name: English 9
Level: Honors, College Prep

Grade: 9
Credit: 1 English

Description: This course reinforces and strengthens students' language, composition and research skills. It is also a survey of various literary types such as novels, short stories, drama, and poetry. Students in Honors English 9 must complete summer reading and writing and be prepared for discussion the first day of class. The English department will provide the books for students. All students are assessed on the same reading and writing standards.

Course Name: English 10
Level: Honors, College Prep
Prerequisite: English 9

Grade: 10
Credit: 1 English

Description: This course emphasizes continuing development of oral language and composition skills. Included within the study are the identification of literary themes and forms, use of effective reading strategies, and development of speaking/listening skills. Students write for varied audiences and purposes and work to apply effective ideas, voice, word choice, fluency, organization, and conventions in their writing. Reading selections for this level include poetry, drama, fiction, literary nonfiction, and informational texts.

Course Name: Junior Topics in Literature
Prerequisite: English 10

Grade: 11
Credit: 1 English

Description: This college preparatory course covers both fiction and nonfiction pieces in order to study important themes in American literature. Writing assignments will include analytical essays, creative writing and the personal narrative. Journal writing, class discussion and vocabulary study will be part of the weekly activities toward the goal of improving reading and writing skills.

Course Name: Honors American Literature
Prerequisite: Recommendation of Instructor

Grade: 11
Credit: 1 English

Description: This course provides an in-depth analysis of American authors or topics from colonial times to the present. Selections include the study of lesser known writers as well as major figures. Readings include novels, short stories and poetry. Course work includes extensive reading assignments, writing assignments and serious discussion. A comprehensive research project over a specific author or poet will be required. In addition, students will be required to do summer reading of assigned books written by American authors and to do written responses. The teacher will contact students with further information.

Course Name: AP Language and Composition
Prerequisite: Permission of Instructor

Grade: 11
Credit: 1 English



Offers Dual Enrollment and 3 College Credits

Description: Students in this introductory college-level course read and carefully analyze a broad and challenging range of nonfiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing, students develop their ability to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities. Course readings feature expository, analytical, personal, and argumentative texts from a variety of authors and historical contexts. Students examine and work with essays, letters, speeches, images, and imaginative literature. Students prepare for the AP® English Language and Composition Exam and may be granted advanced placement, college credit, or both as a result of satisfactory performance. **Summer reading and writing are required. (Limit 16 students per class)**

Course Name: Senior Topics in Literature CP
Prerequisite: Junior Topics

Grade: 12
Credit: 1 English

Description: Explore a wide array of classic and contemporary literature while developing college-readiness reading, writing, and critical thinking skills. Students will analyze and assess fiction and non-fiction, and increase their comprehension and understanding of college-level texts. Students will also work to further their writing skills through essays, thesis papers, argumentation, journals, reading responses, and a variety of formal and informal writings. Literary studies will be augmented with online coursework, film, poetry, drama, and other genres.

Course Name: Honors English Seminar
Prerequisite: Permission of Instructor

Grade: 12
Credit: 1 English

Description: This course is meant to approximate the depth and breadth of a college freshman English course. Major areas of study are literary and rhetorical analysis of fictional and nonfiction texts, linguistics, and the cultural impact of literature and language. In this class, students will also be reading many texts for the pure enjoyment of reading. In preparation for college, students will further develop writing skills in a variety of genres, including creative writing. During the fourth quarter, students will design and complete their own units of study. Emphasis is placed on student initiative and creativity.

Course Name: AP Literature and Composition
Prerequisite: Permission of Instructor

Grade: 12
Credit: 1 English



Offers Dual Enrollment and 3 College Credits

Description: The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course will include intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. The works chosen should invite and gratify rereading. Writing is an integral part of the course, and AP Literature Examination is weighted toward student writing about literature. Writing assignments will focus on the critical analysis of literature including expository, analytical, and argumentative essays. Student prepare for the AP English Literature and Composition Exam and may be granted advanced placement, college credit, or both for satisfactory performance.

ENGLISH ELECTIVES

Course Name: Creative Writing
Prerequisite: N/A

Grades: 10-12
Credit: 0.5 Elective

Description: Students in this course will experiment with creative genres - short stories, poetry, drama, novels - as a means of developing different imaginative approaches to writing and self-assessment. Self-selected and assigned readings will help students develop creative writing and thinking skills to help them become advanced writers. The emphasis will be on generating original ideas and material, developing basic and increasingly advanced strategies necessary to become a creative, original, and imaginative writer. Students will set independent goals for writing, editing, and publishing (online and offline). Students may opt to create and publish the school literary magazine.

Course Name: Writing Center Tutor
Prerequisite: Teacher permission/application

Grades: 10-12
Credit: 0.5/1 Elective

Description: The Maranacook Writing Center serves both students and staff in order to further a culture of writing in our school and community. We promote writing to learn, writing across the curriculum, and preparing students for writing and learning throughout their academic careers and beyond. We support writers through a writer centered, process oriented approach, centered around talking to writers about writing.

As part of this course, students work as tutors in the Maranacook Writing Center. Tutors will receive training in how to conference with writers, address common writing issues, and build our writing community. Students should expect to participate in groups meeting and trainings as well as work at designated times in the writing center. Receiving credit is contingent on working in the writing center for required number of hours and attending trainings.

Working in the writing center provides opportunities for students to help and support others, which in turn will improve and support their own writing. Students will develop skills in critical listening and thinking, group collaboration, and writing.

Course Name: Journalism
Prerequisite: N/A

Grades: 10-12
Credit: 1 Elective

Description: Students in this course will create and publish the school newspaper, online and/or offline. Students will develop skills in reporting, interviewing, writing, publishing, editing, layout-and-design, web design, communications, photojournalism, and a variety of other skills. Students will learn the ethical responsibilities associated with news reporting and producing, as they work on independent and group projects such as documentaries, blogs, magazines, and a variety of online and offline publications. May be repeated for credit.

Course Name: Combat Fiction
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Elective

Description: This is a semester course. Reading about experiences in War allows us to explore the human condition under the most extreme of circumstances. In this course, we will read fictional works, poetry, and personal narratives, as well as watch documentary films and Hollywood movies. Using these texts, we will examine conflicts dating from the Civil War up to and including the War in Iraq. Through these texts we will examine how soldiers cope with the challenges of war, and examine the physical and emotional impacts of combat on these authors and their subjects.

Course Name: Literature In Sports
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Elective

Description: This is a semester course. This course will focus on the use of sports in literature. Students will read and analyze various short stories, novels and articles. Themes studied may include, but are not limited to leadership, trends, definitions of success and failure, heroes, coaching ethics, etc. Those enrolling in this class should have an interest in both athletics and literature.

Course Name: Mindfulness Practices Through Literature
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Elective

Description: This is a semester course. This course will focus on and explore different mindfulness practices as shown through literature. It will include reading various articles, and novels and include a lot of self reflection through journaling and other writing forms.

Course Name: Public Speaking

Prerequisite: N/A

Grades: 10-12

Credit: 0.5 Elective



THOMAS
College

Offers Dual Enrollment and 3 College Credits

Description: This year-long course is designed to help the student develop the ability to prepare and deliver effective speeches and presentations. The course covers both the knowledge required to plan and organize a speech and the interpersonal delivery techniques necessary to overcome nervousness and achieve maximum impact. Informative, persuasive, and commemorative or entertaining speeches are given. Students refine their writing and editing skills by composing, organizing, and proofing documents for a variety of academic and professional purposes.

1/2 Elective Credit

MATHEMATICS

COURSE TITLE	LEVEL	LENGTH	PREREQUISITE
Transitions to Algebra		Year	Mastery of 7 th grade math standards
HS Algebra I Part 1		Year	Mastery of 8 th grade math standards
HS Algebra I Part 2		Year	HS Algebra I Part 1
HS Algebra I		Year	Mastery of 8 th grade math standards
College Prep Geometry	CP	Year	Algebra I
Honors Geometry	Honors	Year	Algebra 1 and permission of Math Dept.
College Prep Algebra II	CP	Year	Geometry
Honors Algebra II	Honors	Year	Permission of Math Dept/ Algebra I
College Algebra	DE	Year	Algebra II
Honors Pre-Calculus/ College Math	Honors, DE	Year	Algebra II
Honors Intro to Calculus/ Calculus I	Honors, DE	Year	Precalculus or College Algebra
AP Calculus AB/ Calculus I&II	AP, DE	Year	Precalculus
Statistical Inference & Decision Making	DE	Year	Algebra II
Practical Math		Year	
Problem Solving		Semester	

Course Name: Transitions to Algebra
Prerequisite: Mastery of 7th grade math standards

Grades: 9
Credit: 1 Math

Description: The goal of this class is to prepare the student for high school level algebra 1. It is designed to address prerequisite skills and habits of mind students need to succeed in high school algebra by developing mastery of 8th grade Common Core algebra standards. Topics covered will include rational numbers and operations, distributive property, linear equations, inequalities, ratio and proportional relationships, functions, systems of equations, graphing, exponents, factoring polynomials, quadratics, word problems and mathematical language.

Course Name: HS Algebra 1 Part 1
Prerequisite: Mastery of 8th grade math standards

Grades: 9-12
Credit: 1 Math

Description: This course builds upon 8th grade Common Core Standards for Algebra and is the first year of a two-part Algebra 1 program. It is designed for the student who is in the lower quartile of standardized scores and requires a small-class learning environment. Emphasis will be on interpreting structure of expressions, performing arithmetic operations on polynomials, creating equations that describe numbers or relationships, solving equations as a process of reasoning and explaining the reasoning, solving equations and inequalities in one variable, representing and solving equations and inequalities graphically, understanding the concept of a function and use function notation, interpreting functions that arise in application in terms of the context, and interpret linear and exponential models.

Course Name: HS Algebra 1 Part 2
Prerequisite: HS Algebra 1 Part 1

Grades: 9-12
Credit: 1 Math

Description: This course is the second year of a two-part Algebra 1 program. It is designed for the student who is in the lower quartile of standardized scores and requires a small-class learning environment. Emphasis will be on interpreting structure of expressions, performing arithmetic operations on polynomials, creating equations that describe numbers or relationships, solving equations as a process of reasoning and explaining the reasoning, solving equations and inequalities in one variable, representing and solving equations and inequalities graphically, understanding the concept of a function and use function notation, interpreting functions that arise in application in terms of the context, and interpret linear and exponential models.

Course Name: HS Algebra 1
Prerequisite: Mastery of 8th grade math standards

Grades: 9-12
Credit: 1 Math

Description: This course builds upon the 8th grade Common Core Standards for Algebra. The units will deepen and extend understanding of linear, quadratic and exponential relationships. Emphasis will be on interpreting structure of expressions, performing arithmetic operations on polynomials, creating equations that describe numbers or relationships, solving equations as a process of reasoning and explaining the reasoning, solving equations and inequalities in one variable, representing and solving equations and inequalities graphically, understanding the concept of a function and use function notation, interpreting functions that arise in application in terms of the context, and interpret linear and exponential models.

Course Name: College Prep Geometry
Prerequisite: Algebra I

Grades: 9-12
Credit: 1 Math

Description: The class will prepare students to use mathematics and logical thinking effectively in today's world. It promotes independent thinking and learning. Topics covered include points, lines, planes, parallel lines, two-dimensional figures, and three-dimensional figures. Students will also learn to write logical proofs and use their algebra skills to solve geometry problems.

Course Name: Honors Geometry
Prerequisite: Algebra I and permission of Math Dept.

Grades: 9-10
Credit: 1 Math

Description: This class prepares students to use mathematics effectively in today's world and promotes independent thinking and learning. This is done through an extensive study of Euclidean Geometry, expanding a student's capacity to solve problems both intuitively and analytically and broadening mathematical skills acquired in previous courses. The topics covered are points, lines, angles, planes, definitions, polygons, circles, congruence, similarity, measurement, volume and surface area of solids, and 3-dimensional figures.

Course Name: College Prep Algebra II
Prerequisite: Geometry

Grades: 11-12
Credit: 1 Math

Description: The principal goal of this course is to continue the development of analytical thinking and to apply that knowledge to practical problems. This course provides the background needed to continue mathematical study in Algebra III and Calculus. Topics covered include the language of algebra, linear relations, functions, systems of equations, inequalities, quadratic equations, powers, and polynomials.

Course Name: Honors Algebra II
Prerequisite: Permission of Math Dept/ Algebra I

Grades: 10-12
Credit: 1 Math

Description: The principle goal of this rigorous course is to continue the development of analytical thinking and to apply that knowledge to practical problems. This course provides the background needed to continue mathematical study in PreCalculus and Calculus. Topics covered include equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, and matrices.

Course Name: College Algebra
Prerequisite: Algebra II

Grades: 11-12
Credit: 1 Math

 **Offers Dual Enrollment and 3 College Credits**

Description: This course promotes the development of critical thinking and problem solving skills. To do this, it uses a rigorous presentation of mathematical concepts. Topics will include advanced algebra,

functions, graphs, polynomials, zeros of polynomials, rational functions, exponential & logarithmic functions, trigonometric functions, & application of trigonometry.

Course Name: Honors Pre-Calculus/College Math

Grades: 10-12

Prerequisite: Algebra II

Credit: 1 Math



Offers Dual Enrollment and 3 College Credits

Description: This class continues the sequence of Honors math courses. It aims to prepare students for calculus and college mathematics. Topics are covered in greater depth than in Algebra III/Trig and there is a greater emphasis on problem solving. Topics will include advanced algebra, functions, graphs, polynomials, zeros of polynomials, rational functions, exponential and logarithmic function, trigonometric functions, trig identification and graphs, application of trig, and systems of equations.

Course Name: Honors Intro to Calculus/Calculus I

Grades: 11-12

Prerequisite: Precalculus or College Algebra

Credit: 1 Math



Offers Dual Enrollment and 3 College Credits

Description: Introduction to Calculus is an Honors mathematics course designed to introduce students to the problem solving techniques needed for use in Engineering, Economics, and Physics. This course provides a basic understanding of Calculus so that the student will be prepared for an entry-level college Calculus course. This course covers advanced algebra topics along with functions and limits, the derivative and its applications.

Course Name: AP Calculus AB /Calculus I&II

Grades: 11-12

Prerequisite: Precalculus

Credit: 1 Math



Offers Dual Enrollment and 6 College Credits

Description: This is a full year course in elementary functions and introductory calculus; it places primary emphasis on an intuitive understanding of the concepts of differential and integral calculus and on experience with its basic techniques and applications. It is comparable in context and emphasis to a first course in calculus for scientifically oriented freshmen in many colleges and universities. It is expected that all students enrolled in this course will take the AP exam in May.

Course Name: Statistical Inference and Decision Making

Grade: 12

Prerequisite: Algebra II

Credit: 1 Math



Offers Dual Enrollment and 3 College Credits

Description: This is a full year course designed to cover an introduction to statistical concepts. Statistics is a branch of mathematics that deals with the collection, organization, analysis and interpretation of information usually referred to as data. The aim of this course is to give students not only an

understanding of these concepts, but also useful skills for working with data. Through student generated experiments and other projects, students will collect data and be able to interpret results. The TI-84 graphing calculator will be used extensively.

Course Name: Practical Math

Grades: 11-12

Prerequisite: N/A

Credit: 1 Math

Description: This course is designed to prepare students with the fundamental knowledge they need to chart a successful and prudent course as a consumer. It is intended to provide the knowledge needed to understand options and make reasonable decisions, and provide numerous opportunities to experience how to apply that knowledge for possible future work and study in the trades and other vocations.

MATHEMATICS ELECTIVES

Course Name: Problem Solving

Grades: 9-12

Prerequisite: N/A

Credit: 0.5 Elective

Description: Problem Solving is a class that runs in conjunction with the Math Team. Students will learn about, and practice how to solve, problems from a plethora of categories in the high school curriculum. In addition to helping students prepare for the math team meets, the topics learned in this course will help students prepare for: standardized tests (such as the SAT), math they will encounter in college, learning how to go about solving problems.

Topics covered in this course include: Arithmetic with "*" operations, Inequalities and Absolute Values, Matrices, Determinants, and Systems of Equations, Number Theory, Geometric Similarities, Arithmetic with Ratio and Proportion, Series and Sequences, Counting Principles and Binomial Theorem, Polynomials, Areas and Volumes, Probability, Exponents and Radicals, Lines, Angles, and Polygons, Complex Numbers, Arithmetic with Percent, Arithmetic with Literal Equations, Logs and Log Equations, Linear Coordinate Geometry, Functions, Trigonometric Mechanics, Algebraic Fractions with Factoring, Trigonometric Equations and Identities, Circles and Spheres, Conics, Arithmetic with Statistics. Must be taken in addition to the 6 class requirement.

SCIENCE

Course Name	Level	Length	Prerequisite
Earth Systems	Honors, CP, Applied	Year	Recommendation of Instructor
Biology	Honors, CP, Applied	Year	Earth Science or Recommendation of Instructor
Honors Physics	Honors, DE	Year	Honors Algebra II/Trig or Permission of Instructor
Physics CP	CP	Year	Geometry, Algebra 2 enrolled concurrently
Physics Applied	Applied	Year	Algebra 1/or Permission of Instructor
Honors Chemistry	Honors, DE	Year	Honors Physics or Recommendation of Instructor
Chemistry	CP, Applied	Year	
Biology AP	AP	Year	Recommendation of Instructor
Astronomy		Semester	
Geology	DE	Semester	Earth Systems & Biology
Robotics/Exploring Computer Science		Semester	
Principles of Sustainable Agriculture	DE	Semester	

Course Name: Earth Systems
Levels: Honors, College Prep, Applied
Prerequisite: Recommendation of Instructor

Grade: 9
Credit: 1 Science

Description: Earth Systems Science is designed to provide the foundation for further rigorous study in Biology, Chemistry and Physics. Through the study of Earth Systems Science, students learn about the principles and practices of Earth Science and Chemistry. The course focuses on energy, change, cycles, development of ideas and how these are modeled in both earth systems and chemistry. Using an inquiry based, problem solving model the course supports and encourages the development of a scientifically literate student who will be able to make accurate observations, develop and test theories, evaluate alternatives, and make informed decisions on scientific, technological and environmental issues.

Course Name: Biology
Level: Honors, College Prep, Applied
Prerequisite: Earth Science or Recommendation of Instructor

Grade: 10
Credit: 1 Science

Description: Biology is designed to increase the student's understanding of systems, models, scale, and the concepts of constancy and change. The student will increase their skills in scientific inquiry and technical design. Students will explore how society interacts with science and technology, and how human history impacts the nature of science. This course will cover biodiversity, bioethics, ecosystems, cells, cellular chemistry, heredity, reproduction, and evolution.

Course Name: Honors Physics
Prerequisite: Honors Algebra II/Trig or Permission of Instructor

Grade: 11
Credit: 1 Science



Thomas College offers Dual Enrollment and College Credit

Description: Physics exposes students to the applications of systems, models and scale in science and technology. Students plan, conduct and analyze data from experiments and use the data to create and test technological designs to meet specific needs. Students explore the nature of energy, force, and motion, wave phenomena, electricity and magnetism.

Course Name: Physics CP
Prerequisite: Geometry, Algebra 2 enrolled concurrently

Grade: 11
Credit: 1 Science

Description: Physics exposes students to the applications of systems, models and scale in science and technology. Students plan, conduct and analyze data from experiments and use the data to create and test technological designs to meet specific needs. Students explore the nature of energy, force, and motion, wave phenomena, electricity and magnetism.

Course Name: Physics Applied
Prerequisite: Algebra 1 or Permission of Instructor

Grade: 11
Credit: 1 Science

Description: Physics exposes students to the applications of systems, models and scale in science and technology. Students plan, conduct and analyze data from experiments and use the data to create and test technological designs to meet specific needs. Students explore the nature of energy, force, and motion, wave phenomena, electricity and magnetism.

Course Name: Honors Chemistry
Prerequisite: Honors Physics or Recommendation of Instructor

Grade: 12
Credit: 1 Science



KVCC Offers Dual Enrollment and 4 College Credits

Description: This rigorous course is an introduction to the enterprise of chemistry. This course will help students understand the essential principles and facts of chemistry and its fundamental importance in an ever increasingly scientific and technological world. The central theme of the course is that properties of matter are a consequence of the structure of matter. The student will be introduced to the language of chemistry—descriptive, symbolic and quantitative. Topics include Measuring and Calculating, Matter, Atomic Structure, Chemical Formulas, The Mole, Chemical Reactions, The Periodic Table, Chemical Bonding and Molecular Structure, The States of Matter, Solutions, Chemical Equilibrium, Acids and Bases, Oxidation-Reduction and Electrochemistry, and Nuclear Chemistry.

Course Name: Chemistry
Levels: College Prep/Applied
Prerequisite: N/A

Grade: 12
Credit: 1 Science

Description: This academically challenging course is designed as an introduction to the enterprise of chemistry. Chemistry is very much a part of our society and reaches into almost every facet of life. This course will help students understand the principles of chemistry so that they may feel confident and informed in an ever increasingly scientific and technological world. The central theme of the course is that properties of matter are a consequence of the structure of matter. The student will be introduced to the language of chemistry—descriptive, symbolic and quantitative. Topics include Measuring and Calculating, Matter, Atomic Structure, Chemical Formulas, The Mole, Chemical Reactions, The Periodic Table, Chemical Bonding, The States of Matter, Solutions, Acids and Bases, Oxidation-Reduction and Electrochemistry, and Nuclear Chemistry.

Course Name: Biology AP
Prerequisite: Recommendation from Instructor

Grade: 10-12
Credit: 1 Science

Description: AP Biology is an intensive course comparable to an introductory biology course taken in college. This course emphasizes the development of understanding concepts rather than an accumulation of facts. The student should understand and appreciate the science of biology as well as appreciate scientific inquiry that develops their problem solving and critical thinking skills. The format for this class will be primarily lecture and labs. There are prerequisites for this course. In order to be successful on the

AP exam given in May, proven success in biology and an interest in chemistry is recommended. Junior or senior status is preferred, but sophomores may be considered with special permission.

SCIENCE ELECTIVES

Course Name: Astronomy

Grades: 10-12

Prerequisite: N/A

Credit: 0.5 Elective

Description: This one semester course provides the opportunity to develop knowledge and understanding about the solar system, galaxy, and universe in which we live. Much attention is given to an appreciation for how we have obtained this information about the universe. Areas of study include: the process of science, including use of the tools used to observe the sky; stellar astronomy and how stars change over time; and planetary astronomy and how interstellar spacecraft are obtaining information about other bodies in the solar system. Astronomy is an elective course that provides a broad survey of the field of astronomy in one semester of study. The course is project-based and designed to have a minimum of mathematical investigation and to be accessible to a diverse population.

Course Name: Geology

Grades: 11-12

Prerequisite: Earth Systems & Biology

Credit: 0.5 Elective



Offers Dual Enrollment and 3 College Credits

Description: This is a semester course. Introduction to Geology provides an overview of the Earth's structure and chemical make-up; processes that operate within the Earth and on Earth's surface; and the rocks that give us the story of such interactions. It is in large part a history course, covering the range of processes that operate over a few minutes to a few billion years. Students will learn about rocks and minerals; about weathering, transport, and deposition of sediments; about the influence of glaciation on the Maine landscape; about the forces that fold and rupture continents; about economic geology (e.g. metals, minerals, and gravel); and about the interactions between rocks, atmosphere, climate, and water on the surface, including natural geologic hazards.

Course Name: Robotics/Exploring Computer Science

Grades: 9-12

Prerequisite: N/A

Credit: 0.5 Elective

Description: The VEX robotics and Exploring Computer Science combination course is a hands-on STEM curriculum course that is designed to be interactive through a team approach. VEX robotics is heavily focused on mechatronic principles; as such, programming is NOT required. VEX will be primarily the focus in Semester 1 with build and competition. Semester 2 includes VEX design, competitions based on qualifications, and collaboration with peers, however the focus turns toward computer science. Through exploration of interface design and limitations of computers, students will develop computational practices of algorithm development, problem solving, and programming within the context of problems relevant to our everyday lives. There will also be an emphasis on social and ethical issues. With new VEX challenges every year and a beginner approach to changing topics in computer science, students have the option to participate in this course for 1 to 4 years.

Course Name: Principles of Sustainable Agriculture
Prerequisite: N/A

Grades: 11-12
Credit: 0.5 Elective



KVCC Offers Dual Enrollment and 3 College Credits

Description: Sustainable agriculture is the production of food, fiber, or other plant or animal products using farming techniques that protect the environment, public health, human communities, and animal welfare. This form of agriculture enables us to produce healthful food without compromising the ability of future generations to do the same.

SOCIAL STUDIES

Course Name	Level	Length	Prerequisite
Global Explorations in History, Geography, and Economics	Honors, CP, Applied	Year	Recommendation of Instructor
AP World History	AP	Year	Honors Global Explorations & Recommendation of Instructor
World History	Honors, CP, Applied	Year	Global Explorations
AP U.S. History	AP, DE	Year	AP or Honors World History
U.S. History	CP, Applied	Year	World History
Ethics	DE	Semester	Permission of Instructor
Humanities Course		Semester	
Living History (19TH Century) An Independent Study		Semester	Recommendation of Dept. Leader
Sociology CP	CP	Semester	
Psychology	CP	Semester	
AP Psychology	AP, DE	Year	
History vs Hollywood: Culture and History through Film CP	CP, DE	Semester	
AP Comparative Government and Politics	AP, DE	Year	
Understanding Sacrifice		Year	2 credits in Social Studies (for CP)

The discipline of social studies is important for all students. Social studies moves far beyond facts and dates; social studies classes explore the basic human rights and diversity of cultures in our own and other countries. Through the disciplines of social studies students will gain a better understanding of the present by looking at the past. Major themes of human rights, cultural diversity, and understanding our modern world are relevant to all students. Whether students plan to enter college or the business world after graduation, they will find that these topics are major issues that must be confronted and understood to become a good citizen in their community.

Course Name: Global Explorations in History, Geography, and Economics **Grade:** 9
Level: Honors, College Prep, Applied **Credit:** 1 Social Studies
Prerequisite: Recommendation of Instructor

Description: All students entering ninth grade at Maranacook are required to take Global Explorations. This is a course that is designed to expose students to many of the concepts and skills they will be using in Social Studies throughout their time at Maranacook. Students will broaden their understanding of the world by learning about physical and human geography, including world cultures and global economics. The class addresses Learning Results Standards in Research Skills, Geography, and Economics. Students must pass this course for graduation.

Course Name: AP World History **Grade:** 10
Prerequisite: Honors Global Explorations & Recommendation of Instructor **Credit:** 1 Social Studies

Description: AP World History is a rigorous academic course that demands maturity and independent and sound work habits from the student. The course traces the development of world history from 8000 B.C.E. to the present, and emphasizes the analytical and writing skills necessary for success in a college-level history course. To this end, the course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography, oral presentations, and short essays. Students enrolled in the course are expected to do summer reading in preparation for the course and take the AP Examination in May. Those who score well may receive college credit. This course fulfills one of the three required credits in Social Studies for graduation.

Course Name: World History **Grade:** 10
Level: Honors, College Prep, Applied **Credit:** 1 Social Studies
Prerequisite: Global Explorations

Description: The course traces the development of world history from the earliest civilizations to the present. The class begins with a study of the multitude of cultures of past and present starting with the development of early civilizations and the oldest cultures. The course surveys the ideals of democracy and the origins of republican government. It addresses the roots of modern conflict and explores the rise of organized religion and its connection to eastern and western civilization. The course then moves on to examine how imperialism and colonialism have impacted world cultures and the reactions of cultures to this interference. The course investigates the rise of communism as a reaction to western domination and

examination of the current trend toward consumerism in the eastern world and its impact on the future. Examinations of modernity and the possibilities for the future bring the course to conclusion.

Course Name: AP U.S. History

Grade: 11

Prerequisite: AP or Honors World History

Credit: 1 Social Studies



THOMAS
College

Thomas College Offers Dual Enrollment and 3 College Credits

Description: Advanced Placement U.S. History (AP) is designed to provide students the factual knowledge necessary to deal critically with the problems and materials in American History and to prepare students for the AP exam. Students will learn to assess historical materials, their relevance, reliability, and importance and to weigh the evidence presented in historical scholarship. Students should be proficient in note-taking from printed materials, lectures and discussions. Members of the class will write essay exams, analytical and research papers. They will be able to express themselves clearly and precisely and cite sources. Summer Readings are a requirement of this course. It is expected that all students enrolled in this course will take the AP exam in May.

Course Name: U.S. History

Grade: 11

Level: College Prep, Applied

Credit: 1 Social Studies

Prerequisite: World History

Description: U.S. History is a two semester course that is required for graduation. Students will explore U.S government and citizenship as well as some of the major events and ideas of the last 250 years. A greater emphasis will be placed on the 20th Century (post 1877). In addition students will learn about major leaders and current events that shape the world we live in today.

SOCIAL STUDIES ELECTIVES

Course Name: Ethics

Grades: 11-12

Prerequisite: Permission of Instructor

Credit: 0.5 Elective



THOMAS
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Thomas College Offers Dual Enrollment and 3 College Credits

Description: This course is designed to foster critical thinking and rational decision-making in the discussion of controversial ethical issues and dilemmas. Students will improve their capacity to reason effectively, weigh and use evidence, understand multiple perspectives, and use critical analysis as they address scientific, medical, political and moral issues. Among the topics to be discussed are ethical theory, physician-patient relationships, the concept of Justice, and the Death Penalty.

Course Name: Humanities Course

Grades: 10-12

Prerequisite: N/A

Credit: 0.5 Elective

Description: This is a semester course. This course will explore the origins and causes of conflict. Students will learn how to be aware of emerging conflicts and learn how to solve them proactively.

Students will move on to explore successful activists and how to become productive and positive voices for the teenage community. They will explore current teen activists and hot topic issues relating to their world now. The course will include of a service learning component for students to take the first step toward being active members of their community.

Course Name: Living History (19TH Century)- An Independent Study
Prerequisite: Recommendation of Dept. Leader

Grades: 9-12
Credit: 0.5 Elective

Description: This is a semester course. This course involves an in-depth study of the post Civil War period in rural America. Students will learn first-hand about life during this period during a total involvement experience at the Ambleside at Sandy River and Rangeley Lakes Railroad. For four days and three nights the students (and teacher) will be members of a 19th century farm family doing daily work, enjoying social events and being influenced by the economics and customs of the 1870's. A pre-visit paper on rural life in Maine in the 19th Century is required. Students will conduct research in primary source documents to prepare for a presentation on both an individual and group basis. Each student will also keep a journal while at the Morrill Farm and complete two research papers following the live-in. The teacher will meet with the students on both an independent and group basis.

Course Name: Sociology CP
Prerequisite: N/A

Grades: 11-12
Credit: 0.5 Elective

Description: This is a semester course. Sociology is the study of human social life referring to everything related to the interaction of human beings in groups. Students in this course will learn to use “sociologists’ tools;” observation, description, analysis and prediction, to explore how groups of people act, react, and interact in various situations. Class discussions, group and individual projects will be important parts of this course.

Course Name: Psychology CP
Prerequisite: N/A

Grades: 11-12
Credit: 0.5 Elective

Description: This is a semester course. Psychology is the study of human behavior. Students will explore the influences of environmental and physical conditions, including heredity, on the motivations and emotions involved in human interaction. Class discussions and group and individual projects will be an important part of this course.

Course Name: AP Psychology
Prerequisite: N/A

Grade: 12
Credit: 1 Elective



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Description: This is a year long course in the study of Psychology. The course will follow the AP curriculum from the College Board. There will be preparation for the AP Exam in May as well. Psychology is the study of human behavior. Students will explore the influences of environmental and physical conditions, including heredity, on the motivations and emotions involved in human interaction.

This course is designed to be an advanced version of the CP Psychology semester, the AP class includes a higher level of reading and writing that will be in line with an introductory psychology class taken at a University. Students may find it beneficial to take the CP Psychology class before taking this class, but it is not required. The curriculum will go more in depth than the CP class and include more topics.

Course Name: History vs Hollywood: Culture and History through Film CP **Grades:** 11-12
Prerequisite: N/A **Credit:** 0.5 Elective



Thomas College Offers Dual Enrollment and 3 College Credits

Description: This is a semester course. This course is designed to study History and Culture through films. Students will critically analyze a couple of important questions. First of all, how accurately does Hollywood portray historical events and characters? What dangers exist for American democracy if many people believe in and understand a history that never happened? Using the films, and primary and secondary sources, students will be asked to analyze the accuracy and impact of Hollywood films about history. Class discussions, group and individual projects will be important parts of this course.

Course Name: AP Comparative Government and Politics **Grade:** 12
Prerequisite: N/A **Credit:** 1 Elective



Thomas College Offers Dual Enrollment and 3 College Credits

Description: This course focuses on government and politics in other countries and provides a theoretical framework to compare political systems around the world. The student will come to understand the political complexities of our global environment, and gain some understanding of both commonalities and differences among modern political systems.

INTERDISCIPLINARY STUDIES

Course Name: Understanding Sacrifice **Grades:** 11-12
Prerequisite: 2 credits in Social Studies (for CP) **Credit:** 1 Elective

Description: The course will be an in-depth look at the personal stories of individuals who fought against fascism. The people we study will be American soldiers as well as others who fought in the war against fascism. The broader aspects of World War Two and politics will be assessed through the impact on the individuals we study and learn about. The course will work in conjunction with the American Battle Monuments Commission and the France American Society of Draguignan as well as other organizations. Students will attempt to connect living family members locally and nationally to the cemeteries and document the stories of the fallen soldiers interred there, as well as living veterans. Students will read and listen to primary and secondary sources in English.

HEALTH AND PHYSICAL EDUCATION

Course Name	Level	Length	Prerequisite
Intro to P.E.		Semester	
Team Sports		Semester	Intro to P.E.
Net Sports		Semester	Intro to P.E.
Leisure and Gym Games		Semester	Intro to P.E.
Competitive Sports		Semester	Intro to P.E.
Fitness For Life		Semester	Intro to P.E.
Advanced Fitness		Semester	Intro to P.E.
Everything PE		Semester	Intro to P.E.
Health		Semester	

Students will need to take Intro to P.E and then will get to pick two electives to take. Students can take as many PE classes as they want after they have met their requirement.

Course Name: Intro To P.E

Grades: 9

Prerequisite: N/A

Credit: 0.5 PE

Description: This is a semester class. This course is designed to provide instruction and opportunity for students to increase motor skill competency, improve social interaction, and participate in a variety of fitness activities over an extended period of time. In this class students will participate in Ultimate Frisbee, Team Sports, Badminton, Pickleball, Gym Games, and Fitness Components.

Course Name: Team Sports

Grades: 9-12

Prerequisite: Intro to PE

Credit: 0.5 PE

Description: This is a semester class. This course is designed to provide more knowledge of the Team Sports you can play. We will work on fitness, skills that relate to team sports, and improving during small and big area games. There will be playoffs and class championships for all activities. The activities will be Soccer, Basketball, Wiffle Ball, Football, and one other activity that the class will choose.

Course Name: Net Sports

Grades: 9-12

Prerequisite: Intro to PE

Credit: 0.5 PE

This is a semester class. This class is designed to improve your knowledge and performance in Net sports. We will play individual and team games. Students will learn and practice proper technique for different shots for games. The activities will be Volleyball, Badminton, Pickleball, and Tennis.

Course Name: Leisure and Gym Games

Grades: 9-12

Prerequisite: Intro to PE

Credit: 0.5 PE

Description: This is a semester class. The purpose of this class will be to learn about life long activities that you can play outside. These are very popular at family gatherings. Students will learn about the rules of the game and how to play and score the games. Activities include Kan Jam, Spikeball, Cornhole, Bocce Ball, Gym Games, and Croquet. Etc...

Course Name: Competitive Sports

Grades: 9-12

Prerequisite: Intro to PE

Credit: 0.5 PE

Description: This is a semester class. The purpose of this class is to learn and participate in sports that you don't have the opportunity to play here. We will have class playoffs in these units as well. Students will participate in Ultimate Frisbee, Floor Hockey, Speedball, Volleyball, and a few other activities.

Course Name: Fitness For Life
Prerequisite: Intro to PE

Grade: 9-12
Credit: 0.5 PE

Description: This is a semester class. Students will have the opportunity to learn about the weight room and how to workout. Students will participate in workouts as well as create their own workout plans. Most classes will be in the weight room, but could include other activities. Students might go snowshoeing, hiking, Yoga, and many others.

Course Name: Advanced Fitness
Prerequisite: Intro to PE

Grades: 10-12
Credit: 0.5 PE

Description: This is a semester class. This is for students who are motivated to improve their fitness and skill in one activity. Half of the class will be dedicated to improving your conditioning while working on speed, agility, quickness, power, and jumping ability. The routines are based off of a college athletic programs fitness activities. We will also do a variety of workouts such as Insanity and others at times. The second half of class will be dedicated to improving at a skill of your choosing. All students will create a workout plan. Students might want to improve at Dance, a motor skill, or a sport that they play. You will need to create a routine with the teacher.

Course Name: Everything PE
Prerequisite: Intro to PE

Grades: 9-12
Credit: 0.5 PE

Description: This is a semester class. This course is designed to provide instruction and opportunity for students to increase motor skill competency, improve social interaction, and participate in a variety of fitness activities over an extended period of time. In this class, students will get to try a lot of different activities. Students will be playing team sports like Basketball and Soccer, Net sports like Volleyball and Badminton, and Leisure games like Kan Jam and Spikeball. Students will also play Ultimate Frisbee and a few gym games as well.

Course: Health
Prerequisite: N/A

Grade: 10
Credit: 0.5 Health

Description: This is a semester course. Health education covers ten areas: consumer health, community health, environmental health, family life, nutrition, personal health, first aid and safety, substance use and abuse, prevention and control of disease and disorders, growth and development. Students will work on cooperative activities and will contribute a major project to the class.

ART

Course Name	Level	Length	Prerequisite
Intro to Art		Year	
Drawing I		Semester	Intro to Art
Drawing II		Semester	Drawing I
Painting		Year	Intro to Art required/Drawing I and II preferred
Black and White Photography		Semester	Intro to Art
Honors Studio Art	Honors	Semester/Year	Intro to Art and teacher approval required
Ceramics		Semester	Intro to Art is preferred
Writing a Graphic Novel: Design, Literacy and Illustration		Semester	Intro to Art is preferred
Digital Photography		Semester	Intro to Art is preferred

Art is a universal language. It provides visual information about individuals, society, and cultures. There are no right or wrong answers in art, only tools, techniques, and opportunities for creative self-expression. The following art courses provide the environment, the materials, and the expertise to challenge your aesthetic senses and allow you to communicate visually.

Course Name: Intro to Art
Prerequisite: N/A

Grades: 9-12
Credit: 1 Fine Art

Description: This is a year long class. This course is a survey of a variety of art-making processes. Students will study elements of art and principles of design through many mediums that include drawing with ink and pencil, painting, collage, printmaking, creation of altered books, basketry, sculptural projects, and tapestry weaving. They will also study the art of world cultures and historically significant artists.

Course Name: Drawing I
Prerequisite: Intro to Art

Grades: 10-12
Credit: 0.5 Fine Art

Description: This is a semester course. In this course, students will explore a variety of drawing techniques and concepts including line and contour drawing, gesture drawing, rendering with graphite and colored pencils, value studies, perspective drawing, street art, collage, and portraiture. Students will increase competency in visual, technical, and conceptual problem-solving, and will develop communication skills in art-making, art criticism, and appreciation. Art mediums used include graphite, colored pencil, oil pastel, charcoal and chalks, Sharpie markers, and college materials.

Course Name: Drawing II
Prerequisite: Drawing I

Grades: 10-12
Credit: 0.5 Fine Art

Description: One semester. This course builds on the previous Drawing I course and students' understanding of composition, value, structure, and techniques used in rendering with specific drawing media. We will focus on observational drawing and material exploration to produce dynamic and sometimes spontaneous imagery. Historical art movements, trends in contemporary art and basic color theory will also be explored. The course will culminate with an independent research component where students will be asked to investigate a variety of drawing styles/media/artists and render their own work in a selected style and media.

Course Name: Painting
Prerequisite: Intro to Art required/Drawing I and II preferred

Grades: 11-12
Credit: 1 Fine Art

Description: This is a year long class. In this course, students will learn fundamental painting techniques and explore the creative potential of painting and self-expression using water-soluble paints (acrylic and watercolor) on a variety of surfaces (paper, canvas, masonite) and will develop communication skills in art-making, criticism, and appreciation in the process. Students will work on individual and collaborative

pieces. Students will study art movements, work of historically significant and contemporary artists, and create reproductions of famous works and several original paintings in a variety of size formats and styles.

Course Name: Black and White Photography

Grades: 11-12

Prerequisite: Intro to Art

Credit: 0.5 Fine Art

Description: This is a semester course. In this course, students will learn basic black and white photography processes including manual 35-mm SLR camera operation, film development, print processing, and print presentation as they explore photography as an art form. Students will become familiar with artistic elements and principles of design when making compositional decisions in their work. They will explore the history of photography and learn about significant photographers, their styles, and works. Upon completion of photography assignments, students will participate in classroom presentations and critiques. Photography students will have opportunities throughout the semester to have their work displayed in various public settings as well as participating in student art competitions. A manual 35-mm SLR camera is required for this course. The Art Department has a limited number of cameras for student use. A \$15.00 non-refundable use fee and a loan contract are required for the use of a school-owned camera.

Course Name: Honors Studio Art

Grades: 11-12

Prerequisite: Intro to Art and teacher approval required

Credit: 0.5/1 Fine Art

Description: This is a semester-long or year-long course depending upon student needs. This art course is designed for highly motivated art students who want honors study in specific art media. Due to the range of media explored, this course may be taken more than once. Students will work on compiling a body of work in 2-3 media of teacher choice and 1 concentration of their choice. Students will capture their planning and artistic development in ongoing sketchbook work. There will be post-secondary education opportunities, an emphasis on focused independent practice, and discussion on trends in contemporary art.

Course Name: Ceramics

Grades: 10-12

Prerequisite: Intro to Art is preferred

Credit: 0.5 Fine Art

Description: This is a semester course. Students will experience the creative potential of clay. Using the potter's wheel and hand-building techniques, they will explore the sculptural and functional qualities of the medium. They will be introduced to the use of earthenware and low-fire clays, decorative use of slips, a variety of techniques for glaze application, and the cultural and artistic significance of ceramics throughout history.

Course Name: Writing a Graphic Novel: Design, Literacy and Illustration

Grades: 10-12

Prerequisite: Intro to Art is preferred

Credit: 0.5 Fine Art

Description: This is a semester course. Students will explore and work towards deepening an understanding of the graphic novel format as visual and literary communication. Using storyboarding, perspective and techniques to create effective characters, they will write and self-publish their own graphic novels using fantasy, historical topics, humor and elements of pop culture. Students will also

review the work of professional graphic novel authors and illustrators and will examine the elements needed to create interest through visual storytelling.

Course Name: Digital Photography
Prerequisite: Intro to Art is preferred

Grades: 10-12
Credit: 0.5 Fine Art

Description: This is a semester course. In this course, students will learn new skills to achieve the best results with their own digital cameras, while working to explore the art of photography in new ways. Students will learn both rudimentary and advanced levels of digital photo editing to attain new techniques for use in the fine art of digital printing. Digital Photography students will work on projects containing a wide range of subject matter, including portraits, outdoor photography, and photomanipulation (with design applications for a book cover design project). Upon completion of digital photography assignments, students will participate in classroom presentations and critiques. Students will chiefly use the application, Acorn, that is available through MLTI free of charge on the Macbook Airs. We will also explore the use of AdobeLightroom and Adobe Photoshop to some extent, during the semester. A digital camera/mobile device with a lens specs of 10 MP or higher is required.

MUSIC

Course Name	Level	Length	Prerequisite
Concert Band		Year	
Jazz Band		Year	Permission of Instructor
Concert Chorus		Year	
Chamber Singers		Year	Permission of Instructor
History of Rock and Roll		Semester	
Intro to Piano		Semester	
Music Theory		Semester	
Intro to Guitar: Beginner		Semester	
Intermediate Guitar		Semester	

The study of music is a valued and integral part of education. Our goal is to enrich our students' lives through music; to increase their knowledge of music and to guide them toward a lifelong understanding and love for music. Music teaches us that not all aspects of life are definable; and that every question does not have one right answer. Every student should experience a feeling of pride and success in some musical endeavor whether (s)he plays an instrument, sings or learns to appreciate different kinds of music.

Course Name: Concert Band

Grades: 9-12

Prerequisite: N/A

Credit: 1 Fine Art

Description: This is a performance-based course in which students are involved in solo, ensemble, and full band performances. Students will receive individual, sectional and full band instruction. They will explore a wide variety of musical styles including Jazz, Popular, Classical, Folk and Traditional. Individual progress as well as group participation is emphasized. Scheduled public performances are a required component of this course.

Course Name: Jazz Band

Grades: 9-12

Prerequisite: Permission of Instructor

Credit: 0.5 Fine Art

Description: This is a year long course. This is a course for a select group of students of brass, woodwind and rhythm instruments. They will study and perform different styles of jazz and contemporary music. Scheduled public performances are a required component of this course. This class meets every other morning before school.

Course Name: Concert Chorus

Grades: 9-12

Prerequisite: N/A

Credit: 1 Fine Art

Description: This is a semester or year long course. This course is open to any student regardless of musical background. Students learn techniques of singing and reading music through the performance of a variety of music that may include popular, classic, folk, rock and traditional pieces. Public performances are required. This class meets on a regular class schedule.

Course Name: Chamber Singers

Grades: 9-12

Prerequisite: Permission of Instructor

Credit: 0.5 Fine Art

Description: This is a year long course. This is a small, vocally balanced group of singers. Students learn the skills and techniques of singing and staging performances. The variety of music used in this course may include Broadway, Popular, Classical, Folk and Traditional pieces. Public performances are required.

Course Name: History of Rock and Roll
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Fine Art

Description: From its earliest beginnings to the present day, this course surveys the inception, evolution, and development of Rock music in America and abroad. In addition to in-depth studies of Rock music and the artists who created it, students will examine the sociological, political, and economic conditions which influence its development. Areas of concentration include: Identify styles of early rock and roll, distinguish groups by their specific sound and methods of performance, draw correlations between style periods and recognize the style period by its distinctive sound and performance, articulate the social factors that were influenced by rock.

Course Name: Intro to Piano
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Fine Art

Description: This is a semester course. Have you ever wanted to learn to play the piano? This course is designed for students who wish to develop basic piano playing skills. Time in class will be spent both on and off the keyboards. While playing, students will be working individually and in small groups to master the techniques of playing, and to learn pieces. Students will be able to focus on songs of their choosing to learn. There will also be time spent in group instruction on musical notation and theory. Areas of concentration include: note reading, aural skills, singing songs, rhythmic patterns, chord study, musical forms, improvisation and performing experiences.

Course Name: Music Theory
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Fine Art

Description: This is a semester course. Music theory is a semester course taking a student from the very beginning of reading music to a point where he or she can read musical scores, write melodies, or arrange a selection for small groups of instruments or voices. The first semester focuses on notation of pitch and rhythm, scales, chords, keys, etc. The second semester builds on that foundation to allow a student to create compositions, arrange music, or to analyze others' works. Students may take both semesters even if they already have some music reading skills since much of the work is done independently at the individual's own pace.

Course Name: Intro to Guitar: Beginner
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Fine Art

Description: This is a semester course. This course is designed for the student who has limited to intermediate musical experience, and who has the interest in learning the basics of music and of playing guitar. The class will serve as an introduction to the guitar, music notation and TAB reading, music theory, music history, and songwriting. The class focuses on helping the student with different levels of musical training, develop a basic understanding of music through learning how to play the guitar at a beginning/intermediate level by working individually and as an ensemble on various songs in a variety of genres. Students are encouraged to provide their own (acoustic) guitar however the school may provide one when needed.

Course Name: Intermediate Guitar
Prerequisite: N/A

Grades: 9-12
Credit: 0.5 Fine Art

Description: This one-semester course is designed for students with previous guitar experience. Students will receive guidance and direction in solving problems related to playing the guitar at an intermediate level and will learn many of the different styles, skills and techniques required to become an even more successful guitarist. Areas of concentration include: note reading, aural skills, flat-picking, singing songs, rhythmic patterns, chord study, finger-picking styles, musical forms, improvisation and performing experiences.

MODERN AND CLASSICAL LANGUAGES

Course Name	Level	Length	Prerequisite
French Culture and Conversation 1 & 2		Year	
Honors French 1	Honors, DE	Year	
Honors French 2	Honors, DE	Year	UMA FRE 101
Honors French 3	Honors, DE	Year	UMA FRE 102
Honors French 4	Honors, DE	Year	UMA FRE 203
German I		Year	
German II		Year	German I
German III		Year	German II
German IV Honors	Honors	Year	German III
German V Honors	Honors	Year	German IV
Spanish I		Year	
Spanish II		Year	Spanish I
Spanish III		Year	Spanish II
Spanish IV Honors	Honors	Year	Spanish III
Spanish V Honors	Honors	Year	Spanish IV

In today's global economy it is imperative that America's workforce understand other cultures and languages in order to compete. Studying a foreign language not only exposes students to diverse cultures and expands their understanding of our world, but it also helps students to better understand their own language and how it works.

Due to the scaffolded nature of language acquisition, students must average at least 77% for the year for advancement to the next level of language.

If a student fails semester 1 of a language they will be removed from the course for semester 2. The student may repeat the course the following year.

FRENCH

Course Name: French Culture and Conversation 1 & 2

Grades: 9-12

Prerequisite: N/A

Credit: 1 Foreign Lang.

Description: This is a CP level French course designed for students who need two years of language study for college, but who do not necessarily intend to continue with French. Rather than spending lots of energy laying the grammatical groundwork for more advanced levels, this course focuses its efforts on spoken and written fluency, and a deeper understanding of French and American culture. A practical use of French will be emphasized so that these students leave with a lasting memory of French culture and practical language. Students are expected to reach an ACTFL proficiency level of N3 by the end of their second year.

Course Name: Honors French 1

Grades: 9-12

Prerequisite: N/A

Credit: 1 Foreign Lang.

 **UMA FRE 101, 4 credits**

Description: This is an honors level course that offers dual enrollment in UMA. It is a 4-credit college course taught in French. Speaking, listening, writing and reading will be equally stressed. The course is meant to be a preparation for UMA 102. This course is open to anyone ready to begin a study of French with the goal of becoming a proficient speaker and writer. French and Francophone cultures and cultural influence will be discussed throughout the course. Students are expected to reach an ACTFL proficiency level of N4.

Course Name: Honors French 2

Grades: 10-12

Prerequisite: UMA FRE 101

Credit: 1 Foreign Lang.

 **UMA FRE 102, 4 credits**

This is an honors level course that offers dual enrollment in UMA. It is a 4-credit college course taught in French. Speaking, listening, writing and reading will be equally stressed. The course is meant to be a

preparation for UMA 203. French and Francophone cultures and cultural influence will be discussed throughout the course. Students are expected to reach an ACTFL proficiency level of I1.

Course Name: Honors French 3

Grades: 11-12

Prerequisite: UMA FRE 102

Credit: 1 Foreign Lang.



UMA FRE 203, 4 credits

Description: This is an honors level course that offers dual enrollment in UMA. It is a intermediate 4-credit college course taught in French. Speaking, listening, writing and reading will be equally stressed. The course is meant to be a preparation for UMA 204. French and Francophone cultures and cultural influence will be discussed throughout the course. Students are expected to reach an ACTFL proficiency level of I2.

Course Name: Honors French 4

Grades: 12

Prerequisite: UMA FRE 203

Credit: 1 Foreign Lang



UMA FRE 204, 4 credits

Description: This is an honors level course that offers dual enrollment in UMA. It is a intermediate 4-credit college course taught in French. Speaking, listening, writing and reading will be equally stressed. The course is designed so that the literature we read correlates to the grammar found in the textbook. Students are expected to reach an ACTFL proficiency level of I3.



UMA Minor in French: Language & Culture Track
College of Arts & Sciences

Minor requirements: 20 credits

<p>Course Requirements (16 credit hours):</p> <ul style="list-style-type: none"> <input type="checkbox"/> FRE 101 (Honors 1)- 4 credits <input type="checkbox"/> FRE 102 (Honors 2)- 4 credits <input type="checkbox"/> FRE 203 (Honors 3)- 4 credits <input type="checkbox"/> FRE 204 (Honors 4)- 4 credits 	<p>One of the following electives (3 credit hours)</p> <ul style="list-style-type: none"> <input type="checkbox"/> FRE 394 (3 credits)- Exchange trip or service learning, teaching French to elementary kids OR <input type="checkbox"/> FRE 340 (3 credits)- Francophone Literature, online OR <input type="checkbox"/> HUM 350W (3 credits)- Franco-Americans: Cultural Identity in Context, online
<p>Experiential Electives:</p> <ul style="list-style-type: none"> <input type="checkbox"/> FRE 202 (1 credit)- Intermediate French Immersion weekend, last weekend in September: “le français dans le bois” 	

GERMAN

Course Name: German I

Prerequisite: N/A

Grades: 9-12

Credit: 1 Foreign Lang.

Description: This is an introductory course, which emphasizes the development of listening, speaking, reading and writing skills. The importance of practical vocabulary will be stressed. Basic language structures will be introduced. Culture will be presented through a variety of activities and projects.

Course Name: German II

Prerequisite: German I

Grades: 9-12

Credit: 1 Foreign Lang.

Description: This is a CP level German course designed for students who desire a faster-paced, more grammatically intensive German course. This course focuses its efforts on the skills of listening, speaking, reading, writing, and a deeper understanding of German culture. A holistic use of German will be emphasized so that these students leave with a lasting memory of German culture and practical language. Students are expected to reach an ACTFL proficiency level of Intermediate 1 by the end of the year.

Course Name: German III

Prerequisite: German II

Grades: 10-12

Credit: 1 Foreign Lang.

Description: This is a CP level German course designed for students who desire a faster-paced, more grammatically intensive German course. This course focuses its efforts on the skills of listening, speaking, reading, writing, and a deeper understanding of German culture. A holistic use of German will be emphasized so that these students leave with a lasting memory of German culture and practical language. Students are expected to reach an ACTFL proficiency level of Intermediate 2 by the end of the year.

Course Name: Honors German IV & V

Prerequisite: German III or Honors German IV

Grades: 11-12

Credit: 1 Foreign Lang.

Description: This is an Honors level German course designed for students who desire a faster-paced, more grammatically intensive German course. This course focuses its efforts on the skills of listening, speaking, reading, writing, and a deeper understanding of German culture. A holistic use of German will be emphasized so that these students leave with a lasting memory of German culture and practical language. Students are expected to reach an ACTFL proficiency level of Intermediate 3 by the end of the year.

SPANISH

At all levels of language study, current events, historical influences, and geographical influences are discussed.

Course Name: Spanish I

Grades: 9-12

Prerequisite: N/A

Credit: 1 Foreign Lang.

Description: This first year course introduces the beginning language student to Spanish language and culture and includes the basic skills of speaking, reading, writing and listening. The course places special emphasis on developing conversational skills. Students do this by learning conventional patterns and listening to actual dialogue. The first year stresses basic Spanish grammar and writing skills.

Course Name: Spanish II

Grades: 9-12

Prerequisite: Spanish I

Credit: 1 Foreign Lang.

Description: This course builds on the skills of Spanish I. It places more emphasis on the development of reading skills through articles and short stories. Students learn more advanced grammatical concepts. This enables the student to write short passages in Spanish. Conversational skills are developed more fully. Students are encouraged to speak in Spanish.

Course Name: Spanish III

Grades: 10-12

Prerequisite: Spanish II

Credit: 1 Foreign Lang.

Description: This course continues to strengthen conversational, reading and writing skills. Students develop their oral skills by spontaneous speech and class discussions in the language. Writing skills are also developed. More complex readings are from Spanish and Hispanic sources.

Course Name: Spanish IV Honors

Grades: 11-12

Prerequisite: Spanish III

Credit: 1 Foreign Lang.

Description: In this fourth year course, conversational and literary fluency are goals. Students read excerpts from the classics of Spanish and Latin American literature. They write essays and journals. In addition, the course exposes the students to as many forms of communication as possible. All this aids in oral comprehension.

Course Name: Spanish V Honors

Grades: 11-12

Prerequisite: Spanish IV

Credit: 1 Foreign Lang.

Description: In this course, students will continue to develop and refine their skills in listening, speaking, reading, and writing. They will participate in a variety of activities including: journal writing, conversational activities, class discussion, skits and reading literature. The class will be conducted almost exclusively in Spanish.

CAREER PREPARATION

Course Name	Level	Length	Prerequisite
Accounting 1	DE	Year	
Personal Finance	DE	Semester	
Technology and Career Exploration		Semester	
Intro to Computer Science		Semester	
Web Design I	DE	Semester	
Yearbook I and II		Year	
Introduction to Industrial Arts		Year	
Wood Design		Semester	Intro to IA
Wood Design Honors	Honors	Semester	Wood Design completion with high achievement or permission of instructor
Metals Design		Semester	Intro to IA
Fine Metals		Semester	Intro to IA or Intro to Art
Engineering Drawing and Design		Semester	Intro to IA or Permission of Instructor
Architectural Drawing and Design		Semester	Intro to IA or Permission of Instructor
Boat Building		Year	Permission of Instructor

An important part of the school’s task in education is to help students develop the habits and skills they need to be successful in the workplace. Within the last few years, Maranacook has expanded its school to work options by offering new programs that help to prepare students for the eventual transition into a satisfying career. These offerings, along with our Work Experience programs, connect our students to the reality of careers after high school.

BUSINESS ELECTIVES

Course Name: Accounting I

Grades: 11-12

Prerequisite: N/A

Credit: 1 Elective



Thomas College Offers Dual Enrollment and 3 College Credits

Description: This is an introductory course designed to familiarize the student with the basic theories and principles of accounting. It introduces the student to the accounting cycle, the use and construction of the worksheet, financial statements. Web-based software is used. This course is appropriate for students interested in business-related careers. It is also recommended for any student considering college in any business field.

Course Name: Personal Finance

Grades: 11-12

Prerequisite: N/A

Credit: 0.5 Elective



Thomas College Offers Dual Enrollment and 3 College Credits

Description: This is a semester class. As adults, students will need to make sound financial decisions to achieve their personal lifestyle goals. Topics include money management skills, insurance & risk management, budgeting, and more. (also juniors who anticipate difficulty scheduling this course in their senior year.)

TECHNOLOGY ELECTIVES

Course Name: Technology and Career Exploration

Grades: 9

Prerequisite: N/A

Credit: 0.5 Technology

Description: This course is intended as the starting point for learning skills that will help freshmen start the journey towards career exploration and the skills required to become successful in the future workplace. Activities will apply to both technology and the soft skills that future employees need. This class is required for all students.

Course Name: Intro to Computer Science
Prerequisite: N/A

Grades: 10-12
Credit: 0.5 Technology

Description: This course is designed to introduce student to the field of computer science through, and exploration of, engaging and accessible topics. Topics will include computer interaction, problem solving, web design, introduction to programming languages, and data analysis.

Course Name: Web Design I
Prerequisite: N/A

Grades: 10-12
Credit: 0.5 Technology



THOMAS
College

Thomas College Offers Dual Enrollment and 3 College Credits □

Description: This is a semester class. This course focuses on such topics as beginning HTML, Web standards and accessibility, communication skills and strategies, creation of Web media, and the planning, development, publishing, and evaluation of Web sites. The project- based activities include teamwork strategies that reflect real-world work-skills and the activities performed by professional Web designers.

Course Name: Yearbook I and II
Prerequisite: N/A

Grades: 11-12
Credit: 1 Technology

Description: Learn to use Lifetouch's Yearbook software, a desktop publishing program, while actually designing The Concord, Maranacook's yearbook, and preparing the entire book for publication. This class is appropriate for juniors and seniors who want to learn the desktop publishing program and work in a business style class that will prepare the yearbook.

INDUSTRIAL ARTS

Course Name: Introduction to Industrial Arts
Prerequisite: N/A

Grades: 9-12
Credit: 1 Fine Art

Description: In this course students explore the appropriate use of tools and materials. Students study introductory woodworking, metalworking and technical drawing. The course focuses on the importance & practice of safety, planning and completion.

Course Name: Wood Design
Prerequisite: Intro to IA

Grades: 10-12
Credit: 0.5 Fine Art

Description: This course is an in-depth experience in woodworking. It focuses on solving problems related to more Honors student projects. Emphasis is placed on creative design and more specialized use of tools and machinery.

Course Name: Honors Wood Design

Grades: 11-12

Prerequisite: Wood Design completion with high achievement or Permission of Instructor

Credit: 0.5 Fine Art

Description: This is a semester course. This course expands upon the design and construction techniques of Wood Design. Students will explore the properties and qualities of wood that lend themselves to more free form, creative work. They will be exposed to various artists and cultural contributions of the woodworking arts throughout history. Students will design and create works in wood that show an understanding of line, shape and form. They will be expected to record plans and progress through a sketchbook and/or notebook. The course will culminate with a student exhibition.

Course Name: Metals Design

Grades: 10-12

Prerequisite: Intro to IA

Credit: 0.5 Fine Art

Description: This course is an in-depth experience in metalworking. It focuses on solving problems related to more Honors student projects. Emphasis is placed on creative design, fabrication, specialized use of tools and machinery.

Course Name: Fine Metals

Grades: 10-12

Prerequisite: Intro to IA or Intro to Art

Credit: 0.5 Fine Art

Description: Students will be introduced to fabrication techniques and design concepts associated with jewelry and small object construction. Through sawing, filing, silver soldering with a torch and hammering skills we will explore materials such as copper, sterling silver and brass. Projects will be focused around a design challenge and a technical challenge which will expand students understanding of what jewelry can be while teaching them valuable skills associated with the craft. The goal will be for students to have at least two high quality, finished pieces by the end of the semester.

Course Name: Engineering Drawing and Design

Grades: 10-12

Prerequisite: Intro to IA or Permission of Instructor

Credit: 0.5 Elective

Description: This semester course will provide the opportunity to understand the complexities of engineering drawing using Computer Aided Drafting (CAD) software extensively. Students will become proficient with CAD/CAM software from for mechanical engineering: 3D printing and CNC Routing will be used to produce rapid prototypes of the CAD designs.

Course Name: Architectural Drawing and Design

Grades: 10-12

Prerequisite: Intro to IA or Permission of Instructor

Credit: 0.5 Elective

Description: This is a semester class. This elective course will provide the opportunity to understand the complexities of architectural design, provide a technical knowledge base for architecture, and complete the design and drawing of a set of house plans using Chief Architect CAD software. Students will also

research historical architectural styles and their impact on current design. They will present their findings using a multimedia presentation.

Course Name: Boat Building

Grades: 11-12

Prerequisite: Permission from Instructor

Credit: 1 Elective

Description: Boat building is a wonderful blend of art and science, physics and history as well as aesthetics and practicality. It is a well established occupation within the state of Maine. This course is designed to meet the needs of a variety of students, possibly leading to a job in the boat building industry. It incorporates topics from both mathematics and industrial arts. The practical application of mathematics will be introduced while learning the skills, history, and techniques of boat building. This class may be taken for 0.5 Fine Arts credit and 0.5 Math credit.

ADDITIONAL ELECTIVES

Course Name: Teen Issues

Grades:10-12

Prerequisite: N/A

Credit: 0.5 Elective

Description: It's not easy being a teenager in today's world. From depression and eating disorders to bullying and cutting, teens grapple with a wide range of issues as they grow and develop. On the other hand there is much for teens to celebrate as they explore new learning opportunities in topics not always addressed in course work, or find creative expression in the arts. In this service learning course students will drive the development and delivery of the annual Teen Issues program at Maranacook. Students will collaborate to identify topics for the program, secure workshops and presenters, plan engaging assemblies to kick off and close the program, and evaluate the event. Our goal is to provide students the opportunity to apply collaboration, communication, and problem solving skills to serve the whole school community.

Course Name: Work Experience

Grades: 9-12

Prerequisite: Permission of School Counselor

Credit: 0.5/1 Elective

Description: This is a Semester/Year long course. Students may participate in a variety of work experiences at school by assisting teachers, including teachers at the middle school, assisting in the office, library or in the food service program. The application forms are available in the guidance office. Credit is awarded by semester. Participation in this course is above and beyond this six course requirement.

Course Name: Off-Site Work Experience

Grades: 12

Prerequisite: Permission of Administrator

Credit: 1 Elective/Sem

Description: This is a semester/year long course. Students who would like to combine their career aspirations with a work experience may interview to participate in a job experience outside of the school. Students are required to enroll in consumer economics for the classroom portion of the program. Participating students must find a job and submit an employee contract agreement. Individual work plans are developed with the instructor and guidance counselor. Credit is awarded by semester.

Course Name: Senior Project

Grades: 12

Prerequisite: Interview with Supervisor and Acceptance of Proposal

Credit: 0.5/1 Elective

Description: This is a semester or a year long class. Seniors interested in acquiring new learning or answering an essential question can spend one semester or one full year on an independent learning experience. Seniors must develop a written proposal and make arrangements with a mentor to work on the project and have it approved by the MCS supervisor. In the spring, seniors must have a public presentation of the results of their study or work. Projects such as making a documentary film, interning with a classroom teacher, learning to make pottery, jewelry or other three-dimensional art, refurbishing an antique car, writing and producing a musical play, establishing a school store or a student café, designing and building a piece of furniture, interning with an equine therapist or a health professional, traveling to a foreign country or participating in a travel experience in the U.S., learning to play a musical instrument, or developing skill in a martial art are examples of valuable learning experiences and would be considered appropriate as Senior Projects.

EARLY COLLEGE CREDIT PROGRAMS

EARLY COLLEGE CREDIT

Grades: 11 - 12

Prerequisite: Application with Guidance Counselor

A partnership with the UMO, UMA, UMF, Colby, and KVCC allows Juniors and Seniors with a “B” or better average to take freshman-level college courses at no charge. Successful completion of these courses is worth 3 college credits that will transfer to most colleges and universities. Each class will also be worth 1 elective high school credit. Classes are available on a first-come, first-served basis. If you are interested in pursuing this option, please schedule time with your guidance counselor.

ALTERNATIVE

The Alternative School offers an alternative form of learning that transforms the nature of a high school education for students involved. It provides students with the skills and experience needed to discover their unique strengths, connect with the community, learn personal responsibility, and effectively contribute to their school.

SPECIAL EDUCATION

What does Special Education look like at Maranacook Community High School? The high school Special Education programs are an integral part of our educational approach to provide each student the opportunity and support necessary to learn in the least restrictive, and most supportive, educational environment. The high school offers a continuum of services, which include the Learning Center and the Transitional Skills Program. The Learning Center provides support through a structured study hall approach, which assists students in accessing their regular education courses, as well as developing organizational and study skills. In addition, it provides remedial direct instruction in developing reading and writing skills. The Transitional Skills Program provides instruction and practice in functional living skills, including utilizing community resources and supports in addition to career exploration through work experiences.

All of the programs offered at the high school use the inclusion model of education, whenever possible. This approach to education would not be successful without the wonderful group of highly qualified and supportive educational technicians, teachers, staff and administrators, who provide support in and out of regular education classes and to special educators. This approach also mirrors the Maranacook Community High School's mission statement, which promotes the belief that every individual can flourish academically and socially, according to his or her ability.

The Special Education departments in both the high school and middle school work closely to help ensure a seamless transition from the middle school setting to the high school community, where the focus becomes post-secondary planning. Participation in these programs is determined through the Individual Education Plan (IEP) process.

CATC

Capital Area Technical Center (CATC) is committed to developing technical and academic skills and promoting the student attitudes and achievement that will prepare all students for further education and careers in the 21st century. CATC offers a variety of programs to seniors, juniors and, in some programs, sophomores. Most programs are offered on a half-day basis (3 credits) but some are available on a full-day basis (4 credits). Courses may require CATC permission and/or prior approval from the sending school guidance counselor.

Course Name: Architectural & Engineering Design

Grades: 11-12

Prerequisite: N/A

Credit: 3 Electives

Description: Beginning with the basics of design, this program will prepare students for entry-level positions in the industry and the tools for post-secondary education. Design skills are developed through applied drawings created by state-of-the-art equipment. Individualization of instruction allows students to qualify for beginning positions while providing an excellent foundation for those planning a career in architecture, interior design, engineering and related fields.

In the Architectural Design portion, students will learn design principles and methods of construction in residential design. Students will develop the necessary technical skills to communicate architectural ideas in an understandable, efficient and accurate manner. This call will also design and draw plans for a residence to be constructed by the Building Construction class.

In the Engineering Design portion, students will learn to apply the principles of design through developing 3D parts and assemblies and advanced design using animation and stress analysis. Students will use CAM (Computer Aided Machining) technology, CNC (Computer Numerically Controlled) milling and lathe machines plus learn basic 3D printing technology.

Certifications Offered: SkillsUSA

Course Name: Auto Body Repair-Paint & Refinishing

Grades: 11-12

Prerequisite: N/A

Credit: 3 Electives

Descriptions: Auto Body Repair – Paint & Refinishing is a two year program providing instruction in all phases of automotive refinishing and non-structural repair. In the 2017-2018 year, students will learn the fundamental of non-structural repair. During the course students will receive hands on training on both steel and plastic exterior panel repair and replacement. The curriculum will focus on the proper disassembly and reassembly of motor vehicles. Students will learn how to deal with moveable glass and hardware and trim removal and replacement. Students will also learn concepts in the use of plastics and adhesives in the repair procedure. In the 2018-2019 year, students will cover the basics of paint and refinishing. Students will work with spray guns and related equipment while in the spray booth and mixing room. They will also learn how to identify paint defects, along with their causes and how to correct them. Color theory and application will also be covered in addition to detailing and cleanup. During the school year students will work on repair panels along with a year-long fender project that will address all the topics covered throughout the course. During the year students will also be working on

shop projects and some customer vehicles. In the final semester, students may be allowed to bring in a vehicle with instructor permission.

Certifications Offered: NATEF/ASE Student Certification Program, OSHA 10 hour General Industry Course, SP/2 Safety Program

College Credit Opportunities:

Dual Enrollment with: Northern Maine Community College

Articulation Agreement with: New England Institute of Technology (NEIT), Lincoln Tech

Course Name: Automotive Technology

Grades: 11-12

Prerequisite: Algebra 1 concepts, being able to work formulas and equations, reading and writing at grade level

Credit: 3 Electives

Description: The automotive technology program will prepare students for entry level positions in the automotive field. The Maintenance and Light Repair curriculum is approved by The National Automotive Technicians Education Foundation(NATEF) and the program is NATEF certified in the following areas; brakes, electrical, engine performance, steering and suspension, engine repair, automatic transmission and transmission work, manual drivetrain and axle, and heating and air conditioning. Industry standards are used and incorporated as well as up to date equipment to prepare a student for today's work environment. Students will be taught professionalism that an employer will expect on the job. The program offers a second year to improve students' skills and to advance knowledge in additional areas

Certifications Offered: NATEF Brakes, NATEF Electrical, NATEF Engine Performance, NATEF Steering and Suspension, SP/2 Safety Program

College Credit Opportunities:

Dual Enrollment with: Central Maine Community College

Articulation Agreement with: Southern Maine Community College

Course Name: Automotive Technology II

Grades: 12

Prerequisite: Students that have successfully completed Automotive Technology may apply. Applications will be considered based on a rubric provided by CATC.

Credit: 3 Elective

Description: Students will continue the work started in Automotive Technology 1 by advancing their knowledge of automotive electronics, engine performance, and steering and suspension. This course is offered in the afternoon (11:30-1:30) session only.

Course Name: Building Construction

Grades: 11-12

Prerequisite: N/A

Credit: 3 Electives

Description: The Building Construction program provides instruction and practice in the principles of residential construction. Students build scale and full-size buildings, perform building tasks in the Augusta community, and study related information in the classroom. Students successfully completing

the Building Construction course of instruction and work activities will be qualified for entry-level positions in construction, retail lumber, and related fields. This program helps build a firm foundation for furthering education in building technology programs at community colleges. **Students should have mastery of measuring, reading, arithmetic computation skills, be familiar with a full-function calculator to perform basic mathematical operations, and perform calculations using fractions and decimals.*

Certifications Offered: OSHA 10 hour

College Credit Opportunities:

Dual Enrollment with: Central Maine Community College

Course Name: Business Academy

Grades: 11-12

Prerequisite: N/A

Credit: 3 Electives

Description: The Business Academy program assists students in acquiring the necessary skills for full participation in the constantly changing and multi-faceted business leadership community. This program is a project based dual enrollment program, which will expose students to multiple aspects of business. Students enrolled in the Business Academy will earn up to 30 college credits, which equates to one year of college. This program has partnered with a local financial institution to enable students to gain experience in banking. This program is project based, which will expose students to multiple aspects of business. It is an excellent foundation for business education at the post-secondary level. Topics covered are accounting, finance, management, small business, sales and leadership.

Certifications Offered: Internal Revenue Service (IRS) 7 levels of Tax VITA, Junior Achievement Economics, OSHA 5 hour card

College Credit Opportunities:

Dual Enrollment with: Kennebec Valley Community College, Northern Maine Community College, Thomas College

Course Name: Business Academy II

Grades: 12

Prerequisite: Students that have successfully completed Business Academy may apply. Applications will be considered based on a rubric provided by CATC.

Credit: 3 Electives

Description: The Business Academy II program continues to help students acquire the necessary skills for full participation in the constantly changing and multi-faceted business leadership community. This program is a project based dual enrollment program, which will expose students to multiple aspects of business. Students enrolled in the Business Academy will earn up to 30 college credits, which equates to one year of college. This program has partnered with a local financial institution to enable students to gain experience in banking. This program is project based, which will expose students to multiple aspects of business. It is an excellent foundation for business education at the post-secondary level. Topics covered are: accounting, finance, management, small business, sales and leadership.

Certifications Offered: Internal Revenue Service (IRS) 7 levels of Tax VITA, Junior Achievement Economics

College Credit Opportunities:

Dual Enrollment with: Kennebec Valley Community College, Northern Maine Community College, Thomas College

Course Name: Certified Nursing Assistant**Grades:** 11-12**Prerequisite:** N/A**Credit:** 3 Elective

Description: This half-day program provides students with the opportunity to acquire knowledge and learn the skills necessary to become a Certified Nursing Assistant. Students learn how to give basic nursing care to patients and residents. This includes assisting with personal hygiene, movement, nutrition, elimination, communication and emergency situations. In the classroom students learn about anatomy and physiology, diseases, illnesses and conditions of the human body, and they practice tasks in the skills lab. Working in the local nursing homes and hospital is required. Qualified students who successfully complete the program have the opportunity to take the State of Maine Certified Nursing Assistant exam in the spring and become a Certified Nursing Assistant (C.N.A.). Students are prepared to work as a C.N.A. and/or further their education in nursing or other medical fields. **It is recommended that students take biology and health courses prior to attending this program. Attendance is vital to this program, as there are state mandated hour requirements that must be fulfilled prior to take the C.N.A. exam. A student interview and references may be required. A student must be 16 years of age to be eligible for a State of Maine Board of Nursing CNA license. Students can not gain employment until they are 18 years of age. Teachers in the Health Careers Academy encourage juniors to take medical terminology to provide a solid foundation of the medical language and then enroll in the CNA program as a senior.*

Certifications Offered: State of Maine Certified Nursing Assistant, OSHA 5 hour card**Course Name:** Computer Technology**Grades:** 11-12**Prerequisite:** N/A**Credit:** 3 Elective

The program is designed to give students a working knowledge of computer hardware and software. The course will consist of modules covering hardware components, network and operating systems. This course will include troubleshooting of hardware and software problems. The program will incorporate background work for the A+ Certification Test. Students will have classroom work and hands-on experience that will prepare them for entry-level positions and/or post secondary computer related programs.

Certifications Offered: SkillsUSA, OSHA**Course Name:** Computer Technology II**Grades:** 12**Prerequisite:** Students that have successfully completed Computer Technology may apply. Applications will be considered based on a rubric provided by CATC. **Credit:** 3 Elective

Description: *Cisco IT Essentials Course-* The IT Essentials: PC Hardware and Software curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The curriculum

covers the fundamentals of PC technology, networking, and security, and also provides an introduction to advanced concepts.

Course Name: Culinary Arts

Grades: 11-12

Prerequisite: N/A

Credit: 3 Elective

Description: The Culinary Arts program trains students for a career in the Food Service Industry. Students learn basic food preparation, menu planning, baking and proper dining room service techniques through the operation of functions, banquet service and outside catering events. Employment potential is excellent and there are many post—secondary opportunities available. Students will complete a portfolio, compete in cooking challenges, learn basic prep of mother’s sauces, and complete basic knife cuts. .

**Students should have basic math skills and knowledge of algebra, have average reading and writing skills, and be computer literate. Basic knowledge of French for culinary terms is helpful.*

Certifications Offered: 5 hour OSHA Card, Serv-Safe, SkillsUSA

College Credit Opportunities:

Articulation agreements with: Central Maine Community College, Culinary Institute of America, Eastern Maine Community College, Johnson & Wales University, Southern Maine Community College

Course Name: Culinary Arts II

Grades: 12

Prerequisite: Students that have successfully completed Culinary Arts may Apply. Applications will be considered based on a rubric provided by CATC.

Credit: 3 Elective

Description: The Culinary Arts program trains students for a career in the Food Service Industry. Students learn advanced techniques in food preparation, baking and advanced knowledge of cuisines. Students can also learn an advanced dining room preparation of tableside cooking and advanced industry knowledge. Students will also help in a mentoring first year students in basic knowledge of culinary arts. Students will complete a portfolio, perform cooking demonstrations, make advanced sauces made with mother sauces and be eligible for hospitality certifications.

Certifications Offered: 10 hour OSHA Card, Serv-Safe, SkillsUSA

College Credit Opportunities: Articulation agreements with: Central Maine Community College, Culinary Institute of America, Eastern Maine Community College, Johnson & Wales University, Southern Maine Community College

Course Name: Early Childhood Education

Grades: 11-12

Prerequisite: N/A

Credit: 3 Elective

Description: In this course students will become acquainted with education and child development. Students will assist in operating an on-site preschool program and will interact with local teachers and daycare providers when completing student teaching opportunities in the community. Finally, students will begin a professional portfolio constructed on the preparation standards from the National Association for the Education of the Young Child (NAEYC). Major topics covered include: lesson plans and using

standards, classroom management and guiding behavior, child development and safety. **Students must be 16 to participate in this program. Students should have excellent reading and writing skills and be strong communicators.*

Certifications Offered: 5 hour OSHA Card, First Aid/CPR, Begin a CECA (Certified Early Childhood Assistant) which may be completed during the 2nd year of the Early Childhood Education program.

College Credit Opportunities:

Dual enrollment with: Thomas College

Course Name: Early Childhood Education II

Grades: 12

Prerequisite: Students that have successfully completed Early Childhood Education may apply. Applications will be considered based on a rubric provided by CATC.

Credit: 3 Elective

Description: Second year students complete a guided, independent study of specific curriculum areas. Students are expected to be leaders when assisting in operating an on-site preschool program and will interact with local teachers and daycare providers when completing student teaching opportunities in the community. Finally, students complete their professional portfolio constructed on the preparation standards from the National Association for the Education of the Young Child (NAEYC). Students will have the opportunity to improve upon first year professionalism, engage in working with families and improve content area curriculum development. This program is offered during the morning (9-11 a.m.) session only.

Certifications Offered: 5 hour OSHA Card, First Aid/CPR, Begin a CECA (Certified Early Childhood Assistant) which may be completed during the 2nd year of the Early Childhood Education program

Course Name: Electrical Technology

Grades: 11-12

Prerequisite: N/A

Credit: 3 Elective

Description: The Electrical Technology program is a two year program. The program will cover AC electrical theory, residential construction wiring and some light commercial wiring. All students will receive a State of Maine Electrical Helper's license and will be required to complete the OSHA 10 hour safety course. Class time is split between bookwork, labs and real world projects in the school and local community. Parts of the National Electrical Code are covered in great detail that pertain to residential wiring. There is a full size ranch-style house framed up in the classroom that students will wire to code several times. Students will have an opportunity to wire a house through the KVCC program. Students will have an opportunity to compete in the SkillsUSA competition at the local, state and national level. Students are introduced to the IBEW apprenticeship and KVCC electrical technologies program. Both programs provide excellent post-secondary electrical education. Students will leave the program with the skills needed to work for an Electrical contractor at an entry level position and continue their education. The Electrical Technology program is the beginning of a great career!

Certifications Offered: Maine Electrical Helper's License, OSHA 10 hour

Course Name: Graphic Design and Printing
Prerequisite: N/A

Grades: 11-12
Credit: 3 Elective

Description: In this course, students learn Principles of Design, Typography, Advertising and Logo Design, and various printing processes. Students in the Graphic Design and Printing I class will be using computer applications such as Adobe Photoshop, Illustrator and InDesign to create original designs and printing processes such as Silkscreen, Offset, Vinyl Cut, and Heat Transfer. Students will produce original printed pieces using their creativity, problem solving skills and new techniques learned during class. Additional topics covered: Photo manipulation/restoration, sublimation printing, finishing services, digital photography, customer service, and industry mathematics. Topics in the course include: business identity package, single color T-shirt design and production, multi-color T-shirt design and production, multi-color vinyl decal design and production, notepad design and production, poster design and output and participate in live jobs. Students should feel comfortable with basic computer operations as they will spend a great deal of time primarily in our Mac Lab using very in depth programs for the Graphic Design industry.

Certifications Offered: SkillsUSA, OSHA 10 hour

College Credit Opportunities:

Dual Enrollment with: Central Maine Community College

Course Name: Graphic Design & Printing II

Grades: 12
Credit: 3 Elective

Prerequisite: Students that have successfully completed Graphic Design may apply. Applications will be considered based on a rubric provided by CATC. Students should be very comfortable with extended computer operations as they will spend a great deal of time primarily in our Mac Lab using very in depth programs for the Graphic Design industry. Second Year students should possess the following skills: Time management, Self Direction, Motivation, and have a good feeling for above programs.

Description: Students enrolled in this second level course will enhance their design and printing skills through the production of jobs for non-profit organizations and schools. Students will complete 4 color projects in offset printing and screen printing, and one process color job in either area. Students will also apply their skills to assisting first level students as a student teachers. Major topics will include: business identity package, 4 color T-shirt design and production, multi-color vinyl decal design and production, 4 color notepad design and production, process color T-shirt, or offset printing project, halftone reproduction on offset printing or screen printing, student teaching and live job participation.

Course Name: Law Enforcement Academy
Prerequisite: N/A

Grades: 11-12
Credit: 3 Elective

Description: Students enrolled in the Law Enforcement will gain a head start in this increasingly competitive field. The broad range of topics include Maine criminal law, traffic law, criminal investigations, report writing, defensive tactics, use of force options, ethics, legal subjects and human relations. The course is designed to help students make a career choice in the main occupations available in the field and to prepare them for further training or education in the criminal justice/law enforcement field. Students in this program are expected to display high standards of ethical and moral behavior, in

and out of the classroom, that reflect professionalism, respect, commitment, dedication, pride, self-discipline and teamwork. The curriculum is delivered through lecture, videos, hands-on applications, demonstrations and practical scenarios. Major topics in the course include: defensive tactics, physical fitness, drill & ceremony, situational use of force options (pepper spray, taser, baton, firearms), low / high risk stops, crime scene processing and weekly report writing assignments. Students in the course are expected to be clean shaven, keep their hair well groomed and purchase black ¾ high tactical boots.

Certifications Offered: Handgun safety course, CPR/AED, Hazardous Materials Awareness

College Credit Opportunities:

Articulation agreement with: Husson University

Course Name: Machine Tool Technology & Welding Fabrication

Grades: 11-12

Prerequisite: N/A

Credit: 3 Elective

Description: This course will introduce students to both basic machining and welding. Activities include: lathe operations, milling machines, drill presses, blueprint reading and other tools found in the metal industry. They will also be introduced to aspects of Shielded Metal Arc Welding (Stick), Metal Inert Gas Welding (MIG), Plasma Cutting, Oxy/Fuel Torch operation and an introduction to Tungsten Inert Gas Welding (TIG). All students will be expected to obtain a certification in NIMS (National Industrial Metal Society) or an AWS (American Welding Society) certification. These credentials are universally recognized in each of the respective industries.

Certifications Offered: National Industrial Metal Society (NIMS), American Welding Society (AWS)

College Credit Opportunities:

Dual Enrollment with: Southern Maine Community College

Course Name: Machine Tool Technology & Welding Fabrication II

Grades: 12

Prerequisites: students that have successfully completed Machine Tool & Welding Fabrication may apply. Applications will be considered based on a rubric provided by CATC.

Credit: 3 Elective

Description: This course is an expansion on the Machine Tool / Welding Technology I program with an increased level of expertise in Machining and Welding. The Machinist projects are more complex. Students will be exposed to CNC, Four Jaw Chucking, and other advanced processes. The Welding criteria will expand to include a more comprehensive skill set in the various test positions required by the AWS (American Welding Society). The students will expand their knowledge in Tig, Blueprint reading and other advanced aspects of welding.

Course Name: Medical/Veterinarian Terminology

Grades: 11-12

Prerequisite: N/A

Credits: 3 Elective

Description: The first semester of the course will cover medical terminology. The 2nd semester of the course will cover veterinarian terminology. Students will learn human and companion animal anatomy

and physiology, fire safety, CPR for humans and animals, as well as infection control procedures. Students will practice various skills related to human and animal studies including vital signs, feeding and bathing animals and other various human and animal nursing procedures. Students will also have hands on experience in a variety of clinical settings, as determined by the instructor. Students that successfully complete the program may be eligible to become employed in a medical office setting and/or veterinary clinic. This is an excellent course to begin education in the health field, as students learn the terminology that will be a good base for any medical career. This course is offered during the morning (9-11) session only.

Certifications Offered: CPR for humans and animals, 5 hour OSHA card

College Credit Opportunities:

Dual Enrollment with: Central Maine Community College

Course Name: Plumbing & Heating

Grades: 11-12

Prerequisite: N/A

Credits: 3 Electives

Plumbing and Heating offers 2 one-year programs providing instruction in all phases of plumbing and heating technology. The students will learn installation, repair and maintenance of plumbing and heating equipment. In the plumbing year (2017-18), students will learn various piping, fittings, and valves and their proper installation. They will learn about different pumps and tanks and plumbing fixtures and be involved with installation and servicing of the equipment. Electric, gas, oil and solar hot water heaters will be explained. Bathrooms will be plumbed in the plumbing lab. Students will also have the opportunity to receive Kennebec Valley Community College credit for Plumbing Fundamentals while attending CATC. In the heating year (2018-19), students will learn basics of oil and gas heating systems. They will work hands on with boilers and furnaces in our lab. Students will be involved in the practice of installation, maintenance, and adjustment of equipment, as well as the wiring of the electrical components of oil burners. Students will learn to install hot air ducting and hydronic heat distribution systems such as: baseboard and radiant piping. Solar, wood and pellet heating and other current technologies will be areas that will be explored. Every year the plumbing and heating program installs the plumbing and heating systems in our KVCAP house. This is great hands-on training in the field. Both years use a nationally recognized curriculum with national registry for qualified students. Graduates have basic entry-level skills to enter the workforce or attend technical schools in P&H or HVAC. **Students should have mastery of measuring, reading, arithmetic computation skills, be familiar with a full-function calculator to perform basic mathematical operations, and perform calculations using fractions and decimals.*

Certifications Offered: National Association of Home Builders, OSHA 10 hour

College Credit Opportunities:

Dual Enrollment with: Kennebec Valley Community College