



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

**DIRECTORY**

Principal.....	Dwanye Conway.....	ext. 1022
Student Services Director.....	Al MacGregor.....	ext. 1045
Guidance Counselor, (last names A-J).....	Kristen Levesque.....	ext. 1040
Guidance Counselor, (last names K-Z).....	Sara Chisholm.....	ext. 1048
Dean of Students, gr. 9-10.....	Pat Stanton.....	ext. 1070
Dean of Students, gr. 11-12.....	Steve DeAngelis.....	ext. 1016
Alternative School.....	Michael Dennett.....	ext. 1082

**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.

**Maranacook Schedule**

Maranacook’s schedule is a block schedule based on alternating Black and Gold days with periods 1,2,3,4 for Black days and 5,6,7,8 for Gold days. The school day is from 8:00 a.m. to 2:30 p.m.

**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 take the following steps in doing this:

1. **Review the student's present and past academic record.** List this information on a "Program Planning Worksheet" before reading this booklet. Get this form from your advisor or guidance counselor. The guidance office also has your transcript, which you will need to complete the form.
2. **Develop the student's future goals.** These could include a four-year college program, a two-year college program, military enlistment, certificate program, or employment following graduation. For each of these options there is a range of course requirements. To help you, Maranacook's courses have been sorted into four guides. You will find a description of each guide with sample courses in this booklet.
3. **Decide which plan the student should follow.** Do this by comparing the information in steps 1 and 2. Then answer some questions:
  - A. Which plan will best meet the student's goals?
  - B. Does the student's present and past academic record support this plan? If the answer is no, then either change the goal, or add extra or stronger courses.
4. **Read the course descriptions in this booklet.** Select courses for the coming year that are in that plan. Be sure to consider School Committee graduation requirements listed below:

The school's aim: To encourage students to select the most challenging sequence of courses that will prepare them to reach their goals. Advisors and guidance counselors are available to aid students and parents with each step outlined above. Developing a program of studies for high school can be exciting. We want to assist in any way we can.

**Middle School Students taking high school courses will receive credit for the course at both the middle school and the high school. The course name, grade, and credit received will show on their high school transcript but will not be included in the class rank or GPA.**

### 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, Dept. Leader, and counselor. ***Courses may only be dropped within the first four 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

The RSU#38 School Committee believes that in order to assure the students at Maranacook Community School are better prepared to meet the challenges of society today and tomorrow, it is important that the school maintain a high level of expectations. The School Committee intends that the credit requirements established in this policy be considered the minimum; staff and parents should encourage and challenge students to exceed the minimum.

- A. Each student is required to take six (6) full courses each semester. Seniors may elect to do a Senior Project as their sixth class.
- B. With prior approval, students may earn a half credit toward graduation for each diploma course taken in the Adult Education Diploma Program. This procedure is referred to as "concurrences" and requires approval of the Guidance Counselor, Adult Education Director, Superintendent, and School Committee or their designee.
- C. All students are required to earn twenty-two credits to receive a diploma and participate in the graduation exercises.
- D. Seniors who correct any deficiencies by the end of the first full semester following the graduation date may receive their original diploma.
- E. Required credits for graduation MUST include:

Subject	Credits	Subject	Credits
English	4	Fine Arts	1
Mathematics	3	Physical Education	1½
Science	3	Technology Elective	½
Social Studies*	3	Electives	5.5
Health	½		

\*Social Studies credits must include Global Explorations, World History and US History.

Students may request additional coursework in specific subject areas to meet elective requirements, provided all recommended prior coursework has been satisfactorily completed. Students must meet the standards of the Maine Learning Results in addition to the specific credit requirements listed above. Any substitution or exception to the requirements for graduation will require the recommendations of the advisor, Guidance Counselor, and the Principal.

# MARANACOOK COMMUNITY HIGH SCHOOL



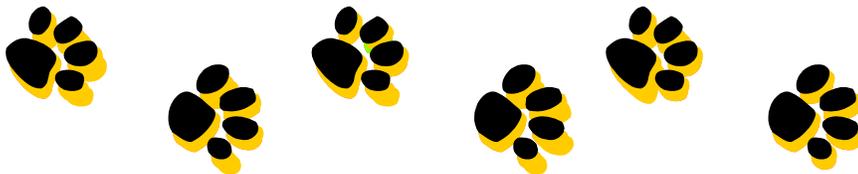
## *CORE VALUES AND BELIEFS STATEMENT*

*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, 21<sup>st</sup> 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.



## ENGLISH LANGUAGE ARTS

Sometimes students ask, “I already know English. Why do I have to take it?” The study of English involves more than merely speaking the language well. English classes provide skills that allow us the opportunity to define who we are by expressing our thoughts and feelings in writing with clarity and grace. We are also invited to share those aspects of ourselves with others, and connect with the experiences of a wide variety of people, times, and places through reading. As we begin to understand and appreciate the complexity and uniqueness of other individuals through the study of our own English language, we better understand and appreciate ourselves. Recommendations for appropriate course level (Honors, College Prep, or Applied) are made prior to registration.

The **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 material, apply more abstract concepts and work at a faster pace. Extensive writing, student responsibility and initiative, absolute deadlines, and assessments are emphasized. 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.

The **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, an effort is made to improve each student’s reading, writing, and thinking skills.

### **ENGLISH 9 Honors, College Prep**

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. 1 English credit

### **ENGLISH 10 Honors, College Prep**

Prereq: English 9

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. A required I Search project is a career exploration study which offers students the opportunity to gain relevant life skills. 1 English credit

### **JUNIOR TOPICS IN LITERATURE**

Grade 11

Prereq: English 10

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. 1 English credit

### **AP LITERATURE AND COMPOSITION**

Grade 12

Prereq: Permission of Instructor

#### **Thomas College Offers Dual Enrollment and 3 College Credits**

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. **Summer reading and writing are required. (Limit 16 students per class)**

1 English credit

**AP LANGUAGE AND COMPOSITION**

Grade 11

Prereq: Permission of Instructor

**Thomas College Offers Dual Enrollment and 3 College Credits**

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)** 1 English credit

**SENIOR TOPICS IN LITERATURE CP**

Grade 12

Prereq: Recommendation of Instructor

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.

1 English credit

**HONORS AMERICAN LITERATURE**

Grade 11

Prereq: Recommendation of Instructor

Instructor

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. 1 English credit

**HONORS ENGLISH SEMINAR**

Grade 12

Permission of Instructor Only

This course is meant to approximate the depth and breadth of a college freshman English course. Major areas of study are literary and rhetorical analyses of fictional and non-fictional 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. 1 English credit

**English Electives****CREATIVE WRITING**

Grades 10, 11, 12

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. May be repeated for credit.

.5 Elective each

**JOURNALISM**

Grades 10, 11, 12

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. .5 Elective each

**INTRODUCTION TO SHAKESPEARE**      Grades 11, 12

This semester-long course guides students through themes and character studies which are as relevant today as they were four hundred years ago. Students in this course will be offered the skills they need to enjoy the richness and relevance of one of the most well-known writers in history. We will read a variety of Shakespeare's works, discuss his characters, themes, and ideas, and figure out how they all fit into our modern world. Students will gain exposure to early modern thought, and develop skills in verbal analysis, critical thinking, and detection of subtlety through reading, discussion, and writing about some tricky literature. Shakespeare does not have to be scary! In fact, his stories have become some of the most enduring in the English language.

.5 English Elective Credit

**THEATER AND DRAMA**      Grades 10, 11, 12

This semester-long foundational class is designed for students with little or no theater experience, and helps students enjoy and appreciate all aspects of theater. Classwork focuses on the exploration of dramatic literature, performance, and historical and cultural connections. Students should expect to participate in improvisation, creative dramatics, pantomime, monologue, as well as a bit of research, reading, and writing. Theater and Drama provides opportunities for students to develop skills in critical listening and thinking, as well as stage presence, group collaboration, and development of 21st-century skills that will help students be successful after high school graduation.

.5 Fine Arts credit

**MATHEMATICS****HS ALGEBRA 1**      Grade 9

Pre-requisite: Mastery of 8<sup>th</sup> grade standards

This course builds upon the 8<sup>th</sup> 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 models.

1 Mathematics credit

**HS ALGEBRA 1 APPLIED**      Grade 10

Pre-requisite: Mastery of 8<sup>th</sup> Algebra standards

This course builds upon 8<sup>th</sup> grade Common Core Standards for Algebra. 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 models.

1 Mathematics credit

**TRANSITIONS TO ALGEBRA**      Grade 9

Pre-requisite: Mastery of 7<sup>th</sup> grade Standards

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 8<sup>th</sup> 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.

**COLLEGE PREP GEOMETRY**

Grades 10–12

Prereq: Algebra I

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.

1 Mathematics credit

**HONORS GEOMETRY**

Grade 9-10

Prereq: Permission of Dept.

Leader/Algebra 1

Honors Geometry 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.

1 Mathematics credit

**HONORS GEOMETRY/ ALGEBRA 2**

Grade 9-10

Prereq: Honors Alg. 1/

Geometry

This is a continuation of the Honors Alg.1/ Geometry class from the 2014-15 year. This class will finish the Honors Geometry curriculum and move on to the Honors Algebra 2 Curriculum.

1 Mathematics credit

**GEOMETRY/ADVANCED ALGEBRA ALEKS CP** Grades 10-12

Prereq: Recommendation of Instructor

This course is a continuation of Core Algebra 1. *The course will use the web-based ALEKS (Assessment and Learning in Knowledge Spaces) as its' primary mode of instruction.* A math teacher is present at all times to work with students one-on-one when difficulties arise. Classroom activities and projects will complement the ALEKS program. Dependent on the student's current mathematical knowledge (as determined by an initial ALEKS assessment) the student may complete a variety of courses to fit their need. Available courses are Algebra, Geometry, Algebra 2, Algebra 3 and College Readiness Mathematics. Other courses are available upon request.

1 Mathematics credit

**COLLEGE PREP ALGEBRA II**

Grades 11 – 12

Prereq: Geometry

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.

1 Mathematics credit

**COLLEGE PREP STATISTICS**

Grade 12

Prereq: Algebra II

**Thomas College Offers Dual Enrollment and 3 College Credits**

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-83 graphing calculator will be used extensively.

1 Mathematics credit

**HONORS ALGEBRA II**

Grades 10 – 12

Prereq: Permission of

Dept. Leader

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.

1 Mathematics credit

**COLLEGE PREP ALGEBRA III/TRIGONOMETRY**

Grades 11 – 12

Prereq: Algebra II

**Thomas College Offers Dual Enrollment and 3 College Credits**

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.

1 Mathematics credit

**PRECALCULUS HONORS** Grades 10 – 12

Prereq: Permission of Dept. Leader

**Thomas College Offers Dual Enrollment and 3 College Credits**

Precalculus 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 AlgebraIII/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.

1 Mathematics credit

**INTRO TO CALCULUS** Grades 11 – 12

Prereq: Permission of Dept. Leader

**Thomas College Offers Dual Enrollment and 3 College Credits**

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.

1 Mathematics credit

**ADVANCED PLACEMENT CALCULUS** Grades 11 – 12

Prereq: Permission of Dept. Leader

Advanced Placement Calculus (AP) is a 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.

1 Mathematics credit

**SCIENCE**

**EARTH SYSTEMS** Grade 9

Prereq: Recommendation of Instructor

**Honors, College Prep, Applied**

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.

1 Science credit

**BIOLOGY** Grade 10

Prereq: Honors Earth Science or Recommendation of Instructor

**Honors, College Prep, Applied**

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. Students will explore body systems through frog dissection.

1 Science credit.

**PHYSICS**

**Thomas College offers Dual Enrollment and College Credit**

**Honors, College Prep, Applied** Grade 11-Honors.....Prereq: Honors Algebra II/Trig or Permission of Instructor

Grade 11-12 College Prep...Prereq: Geometry, Algebra 2 enrolled concurrently

Grade 11-12 Applied.....Prereq: Algebra I/or Permission of Instructor

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.

1 Science credit

**HONORS CHEMISTRY** Grade 12

Prereq: Honors Physics or Recommendation of Instructor

**KVCC Offers Dual Enrollment and 4 College Credits**

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.

1 Science credit

**CHEMISTRY** Grade 12

Prereq: Physics, Applied Physics

**College Prep, Applied****KVCC Offers Dual Enrollment and 4 College Credits**

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.

1 Science credit

**SOCIAL STUDIES**

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.

**GLOBAL EXPLORATIONS IN HISTORY, GEOGRAPHY, AND ECONOMICS** Honors, College Prep, Applied Grade 9

Prereq: Recommendation of Instructor

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, as well as broaden their understanding of the world. Students will learn about physical and human geography, including world cultures and global economics, through broad introduction of concepts and application through the study of a particular country in the world. The class addresses Learning Results Standards in Research Skills, Geography, and Economics. Students must pass this course for graduation.

1 Global Explorations/Social Studies credit

**AP WORLD HISTORY** Grade 10

Prereq: Honors Global Explorations &amp; Recommendation of Instructor

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.

1 World History/Social Studies credit

**WORLD HISTORY** Honors, College Prep, Applied Grade 10

Prereq: Global Explorations

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.

1 World History/Social Studies credit

**AP U.S. HISTORY** Grade 11

Prereq: AP or Honors World History

**Thomas College Offers Dual Enrollment and 3 College Credits**

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.

1 U.S. History/Social Studies credit

**U.S. HISTORY Honors, College Prep, Applied** Grade 11

Prereq: World History

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.

1 U.S. History/Social Studies credit

**SOCIAL STUDIES ELECTIVES**

**ETHICS**

Grade 11 and 12

Prereq: Permission of

Instructor

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.

1/2 Social Studies Credit

**LIVING HISTORY (19TH CENTURY) An Independent Study** (with recommendation of Dept. Leader) Grades 9–12 Semester

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 Morrill Farm. 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 19<sup>th</sup> 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.

1/2 elective credit

**SOCIOLOGY CP** Grades 11 – 12

Semester

Prereq: None

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.

1/2 elective credit

**PSYCHOLOGY CP** Grades 11 – 12 Semester Prereq: None  
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. ½ elective credit

**AP PSYCHOLOGY** Grade 12 Prereq: None

**Thomas College Offers Dual Enrollment and 3 College Credits**

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. 1 Social Studies elective credit.

**HISTORY VS HOLLYWOOD: CULTURE AND HISTORY THROUGH FILM CP** Grades 11-12 Semester

**Thomas College Offers Dual Enrollment and 3 College Credits**

Prereq: None

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.

½ elective credit

**AP COMPARATIVE GOVERNMENT AND POLITICS** Grade 12 Prereq: None

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.

1 elective credit

**POST-SECONDARY PLANNING AND FINANCE**

**Course Description Grade: 12 Full Year Social Studies and Business Elective**

This course will investigate what is involved with pursuing a post-secondary goals. Students consider career prep and academics are needed for them to pursue their post-secondary aspirations. The world changes and, with that, education and training becomes more necessary to finding a meaningful place in the workforce, the decisions students make take on a greater significance. The ability for students to meet the challenges of the future is contingent on the skills, techniques and work ethic a student has. This course enables students to develop some of those skills, techniques and work ethic, as well as provides resources for continuing to develop additional skills they will need in the future. This course is also designed to help students manage their personal finances responsibly. They will learn how to make informed decisions and use tools to help you make those decisions.

This year's juniors who have taken personal finance would still benefit from taking this course. Some alternate material for subjects already mastered.

**Teen Issues** Grades 11 – 12 Prereq: None

It's not easy being a teenage 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.

**PRINCIPLES OF SUSTAINABLE AGRICULTURE**  
**KVCC Offers Dual Enrollment and 3 College Credits**

Grades 11 – 12

Prereq: None

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.

**Interdisciplinary Studies**

**SACRIFICE FOR FREEDOM: AN INTERDISCIPLINARY STUDY WITH SOCIAL STUDIES AND FOREIGN LANGUAGE**

Grades 11-12

Prereq: 2 credits in Social Studies  
3 Credits in Foreign Language or  
Permission from Instructor

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 French, German, Swiss and Spanish nationals 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 both English and the target language. It is an expectation that students do a substantial amount of their research using authentic sources in French, Spanish or German. ½ Social Studies Credit and ½ Foreign Language Credit

**HEALTH AND PHYSICAL EDUCATION**

**HEALTH** Grade 10 Semester

Prereq: None

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.

½ Health credit

**PHYSICAL EDUCATION 9** Grade 9 Semester

Prereq: None

This course is designed to provide instruction and opportunity for students to increase motor skill competency. Included in class activities is an introduction to the principles and concepts of physical fitness. The activities of this course include: badminton, stunts & tumbling, floor hockey, broomball, recreational games, fitness activities, and softball.

½ Physical Education credit

**PHYSICAL EDUCATION 10** Grade 10 Semester

Prereq: PE9

This course provides continued opportunity for students to increase motor skill competency. A focus of this course is the application of physical fitness principles and concepts through participation in an eight week personal fitness program. Other activities include: volleyball, ultimate frisbee, weight training and tennis.

½

Physical Education credit

**PHYSICAL EDUCATION 11** Grade 11 Semester

Prereq: PE9 & PE10

This course is the culmination of the required physical education courses. This is the final opportunity for motor skill competency development. Students will be responsible for planning and participating in personal fitness activities throughout the semester. Other activities in the course include: canoeing, golf, badminton, volleyball and personal fitness programs. ½ Physical Education credit

## **PHYSICAL EDUCATION ELECTIVES**

**INTRO TO SPORTS OFFICIATING**                      Recommended level: 11(2<sup>nd</sup> sem.)-12      Prereq: PE 9-11 & Permission of Instructor

This course is designed to introduce students to aspects involved in sports officiating. Students will develop an officiating philosophy, code of ethics, and equitable standards for competition. Students will participate in classroom discussion, fieldwork, and complete an officiating exam in the sport of their choice.

½ elective credit

**PERSONAL WELLNESS**                              Recommended level: 11(2<sup>nd</sup> sem.) – 12      Prereq: PE 9-11 & Permission of Instructor

The course is designed for the student wanting an opportunity to participate in a self-directed personal fitness workout program. The student will design and engage in their workout plan, maintaining a fitness and nutrition portfolio for the semester.

½ elective credit

**ADVENTURE BASED LEADERSHIP**                      Recommended level: 2<sup>nd</sup> semester 11      Prereq: PE 9-11& Permission of Instructor

This course is designed for the student planning on participating in the “senior helper” program. During the course students will develop the leadership, facilitation, and debriefing skills needed to run the adventure based and cooperative activities used to support the 6<sup>th</sup> and 9<sup>th</sup> grade opening activities for new advisees.

½ elective credit

**OUTDOOR SKILLS**                              Recommended level: 11-12                              Prereq: PE 11& Permission of Instructor

This course is designed for the student who is interested in being in the out-of-doors. Students will participate in a variety of outdoor activities and experiences: kayaking, geocaching, hiking, biking, snowshoeing, cross country skiing and seasonal camping.

½ elective credit

**ANATOMIC KINESIOLOGY**                      Grade 12    Full Year PE Elective

*\*dual enrollment through St. Joseph's College of Maine*

This course is a study of the anatomical perspectives of human movement in sport and exercise. Taking a close look at the structure of our bones, joints and nervous system, as well as, where the various muscles connect to these bones, will help you to understand the many joint movements that are possible. This knowledge will be utilized to analyze many of the movements we observe in sport and exercise. This, in turn, greatly enhances your expertise as exercise scientists, physical educators, coaches, physical therapists, and in other careers.

## **VISUAL AND PERFORMING ARTS**

Any one-year art or music course, or a combination of two semester courses may be used to fulfill the Fine Arts requirement.

### **ART**

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.

**INTRO TO ART**    Grades 9-12    1 Year

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.                      1 Fine Arts credit

**DRAWING** Grades 10-12 Semester Prereq: Intro to Art  
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. ½ Fine Arts credit

**PAINTING** Grades 11-12 1 Year Prereq: Drawing & Intro to Art required  
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. 1 Fine Arts credit

**BLACK and WHITE PHOTOGRAPHY** Grades 11-12 Semester Prereq: Previous high school art class required  
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. ½ Fine Arts credit

**DIGITAL PHOTOGRAPHY** Grades 11-12 Semester Prereq: Previous high school art class required  
This course will provide the student with the foundation for exploring various digital photography techniques and practices. Students will use digital cameras, iPads and/or smart phones and editing software and applications in developing their skills in the artistry of photography and implementation of the elements of art and principles of design. Participants will create, print, and mount professional quality photographs and share their understanding of the various processes and artistic composition through classroom critiques, exhibitions, and presentations. Students are encouraged to use their own digital cameras, however, there is a limited number of school-owned cameras available for use. A \$15.00 fee is required to help defray photographic printing costs. ½ Fine Arts credit

**HONORS STUDIO ART** Grades 11-12 1 Year Prereq: Success in previous art classes & recommendation from Art teachers  
This course provides experienced and motivated art students with an opportunity for continued study and exploration in specific mediums including but not limited to painting, drawing, sculpture, encaustics, printmaking, and photography. In addition to completing projects assigned by the instructor, the student will develop plans for independent study in an artistic area of interest. Students will participate in class presentations and critiques of art work upon completion. Honors studio art students will have opportunities to have their work displayed in various public settings as well as participating in student art competitions. In addition, student work will be on display in public areas of MCHS during the year and in the art exhibition on Humanities Night at the end of the year. 1 Fine Arts credit

**CERAMICS** Grades 10-12 Semester Prereq: Intro to Art is recommended  
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. ½ Fine Arts credit

## **WRITING A GRAPHIC NOVEL:**

**DESIGN, LITERACY AND ILLUSTRATION** Grades 10-12 Semester Prereq: Intro to Art is recommended

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.

½ Fine Arts credit

## **MUSIC**

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.

**CONCERT BAND** Grades 9-12

Prereq: None

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.

1 Fine Arts credit

**JAZZ BAND** Grades 9-12 Year

Prereq: Permission of Instructor

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.

½ Fine Arts credit

**CONCERT CHORUS** Grades 9-12

Semester or Year

Prereq: None

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.

1 Fine Arts credit

**CHAMBER SINGERS** Grades 9-12

Year

Prereq: Permission of Instructor

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. This class meets every other morning before school.

½ Fine Arts credit

**AMERICAN MUSIC SINCE 1900 – FROM BLUES TO HIP HOP** Grades 9-12 Semester

Prereq:

None

This course offers an opportunity to enhance your enjoyment and skills as a listener no matter which music you like. We'll explore the historical and cultural elements of Western music that give it meaning and drive its evolution. The focus will be on 20th & 21st Century music of America, including the growth of Blues, Jazz, Rock and Roll and contemporary styles such as Rap and Hip Hop. You will develop new skills in listening, speaking, researching, writing about and understanding music as we explore a fascinating aspect of American life.

½ Fine Arts credit

**MUSIC THEORY** Grades 9-12

Semester

Prereq: None

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.  
½ Fine arts credit

**GUITAR: BEGINNER TO INTERMEDIATE**      Grades 9-12      Semester      Prereq: None  
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.  
½ Fine Arts credit

**DIGITAL MUSIC**      Grades 10-12      Semester      Prereq: None  
This course explores the many facets of digital music for the beginning to advanced musician. Students are exposed to the beginning levels of music technology such as, looping, sequencing, podcasting, foley effects, soundscapes, multitrack recording and basic film scoring. Digital music will offer students the foundation in the materials and techniques of current music technology while pointing toward real-life applications and career paths.  
½ Fine Arts credit

**MODERN AND CLASSICAL LANGUAGES**

In today's global economy it is imperative that America's work force 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**

**FRENCH I**      Grades 9-12  
First-year French introduces beginning language students to French language and culture. Students develop basic proficiency in listening, speaking, reading and writing.

The goal of this class is to help students attain a proficiency level of high beginner, based on ACTFL/AAPPL proficiency guidelines.

*high-level beginner (meeting standards for level 1):  
Your AAPPL Interpersonal Listening/Speaking score of N4 means that you can be part of a conversation about yourself and your life. Much of the time you can also use your language to express your own thoughts and get the things that you need. You tend to speak in phrases and some sentences. You can often ask and answer simple questions. You can do all of this in a way that your teacher and others who are used to language learners can understand what you are saying most of the time.*

Students will speak, write, listen and read French in many different contexts. Primarily, we use the textbook "Bon voyage!, level 1". We cover topics such as meeting and introducing friends, school, home, family, recreation, café, restaurant, market, shopping, clothes, transportation, weather and daily routine. Students learn to communicate in the following tenses: present, near future, recent past and past perfect.

1 elective credit

**FRENCH II**      Grades 9-12      Prereq: French I  
This course is a continuation of French I. It will expand upon previously acquired skills, vocabulary and cultural knowledge. Students will continue to work to develop their understanding of the structures of the language through conversation, reading, writing and listening. There will be more emphasis on longer blocks of language and students will be expected to speak and write using more complicated grammatical structures.

The goal of this class is to help students attain a proficiency level of “low intermediate”, based on ACTFL/AAPPL proficiency guidelines. This level also satisfies graduation requirements:

*low-level intermediate (meeting graduation requirements):*

*Your AAPPL Interpersonal Listening/Speaking score of I1 means that you can have a conversation about yourself and your life. You can also use your language to express your own thoughts and get the things that you need. You tend to speak in single sentences. You can ask and answer simple questions. You can do all of this in a way that your teacher and others who are used to language learners can understand*

We cover topics such as museums, cinema, doctor & health, technology, transportation, bank & post, kitchen, travel & hotel, country living and festivals. New grammar includes (but is not limited to) past perfect, imperfect, recent past, relative pronouns, pronoun replacement. 1 elective credit

### **FRENCH III** Grades 10-12

Prereq: French II

This course is a continuation of French II. Students will learn more difficult structures and expressions. This course places more emphasis on the development of conversational fluency. Students are expected to speak spontaneously in French. Students will do more reading directly from French sources.

The goal of this class is to help students attain a proficiency level of “mid intermediate”, based on ACTFL/AAPPL proficiency guidelines.

*mid-level intermediate (meeting standards)*

*Your AAPPL Interpersonal Listening/Speaking score of I2 means that you can maintain a conversation about yourself and your life. You also use your language to express your own thoughts and get the things that you need. You can use more than one sentence at a time. You ask and answer questions. You do all of this in a way that your teacher and others who are used to language learners understand what you are saying.*

Students will speak, write, listen and read French in many different contexts. We occasionally use a textbook, but often, lessons are derived from authentic French sources. We also do a review of the thematic units from levels 1 & 2, but with much higher expectations for fluency. New grammar includes (but is not limited to) future, conditional, pluperfect, past conditional and a thorough unit on demonstratives and interrogatives. 1 elective credit

### **FRENCH IV** Grades 11-12

Prereq: French III

KVCC offers dual enrollment and 3 college credits for each level, for a total of 6.

Students will be challenged with upper-intermediate and advanced activities that help them attain a proficiency level between upper intermediate and lower advanced, based on ACTFL/AAPPL proficiency guidelines.

*upper intermediate:*

*Your AAPPL Interpersonal Listening/Speaking score of I4 means that you keep the conversations going about yourself and your life by asking questions and describing or telling stories. You easily use your language to express your own thoughts. You can get the things that you need or want even if it requires extra effort. You speak in well-connected sentences. You do all of this in a way that your teacher and others who are used to language learners readily understand you. People who are not used to language learners understand what you are saying some of the time.*

*lower advanced:*

*Your AAPPL Interpersonal Listening/Speaking score of I5 means that you keep the conversation going by asking questions, telling stories, describing people, places, and things, and reporting events. You can talk about some topics beyond yourself. You can also resolve a problem that you might encounter in your daily life. You speak in well-connected sentences and some paragraphs. You do all of this in a way that people who speak this language can understand you most of the time even if they are not used to language learners.*

By the end of level 4, students will have seen all grammar that they would encounter in the first two years in a university program, including the subjunctive. Level 5 provides students the chance to master these concepts. We will have weekly guided conversation practice that will require plenty of vocabulary acquisition. Listening comprehension will be based on French radio podcasts about

current events and culture. The books, movies, music and poems we use will change on a 2-year cycle. Students who take the course as level 5s will be able to look forward to different stories. A higher proficiency will be expected for level 5.

1 elective credit

**FRENCH V** Grades 11-12

Prereq: French IV

KVCC offers dual enrollment and 3 college credits

This course is designed for students who want to continue to develop and refine their skills. The focus is on conversational fluency. There is a thorough review of all previous grammar. Students listen to current events on French podcasts and read “Les Trois Mousquetaires” along with other items selected by the students. Students learn about French history from Vercingetorix through the French Revolution.

1 elective credit

**GERMAN**

**GERMAN I** Grades 9-12

Prereq: None

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.

1 elective credit

**GERMAN II** Grades 9-12

Prereq: German I

In this second year language course, continued emphasis is placed on the development of speaking, vocabulary development, reading and writing. Using the past tense and understanding sentence structure will be emphasized. Culture is incorporated into all lessons. Students take the National AATG Level 3 Language exam to assess competency.

1 elective credit

**GERMAN III** Grades 10-12

Prereq: German II

This course further develops the skills of listening, speaking, reading, and writing in German. Students participate in organized classroom discussions and speak spontaneously in German. Students improve skills with interviews, skits, factual essays and creative writings. German cultural activities are integrated into the curriculum. Students take the National AATG level 3 Language Exam to assess competency.

1 elective credit

**GERMAN IV** Grades 11-12

Prereq: German III

In this class, students further develop upper-level vocabulary and grammar using listening, speaking, reading and writing skills. Since conversational fluency will be a major goal of this course, students will speak primarily in German. Students will participate in a variety of activities including journal writing, conversational activities, class discussions, plays, skits, video making and attend an immersion day at Colby College. Cultural activities take place throughout the year. Students may take the National AATG level 4 Language Exam to assess competency.

1 elective credit

**GERMAN V** Grades 11-12

Prereq: German IV

This is an advanced level class. Students will develop a strong command of vocabulary and structure, an understanding of spoken German in various conversational situations, the ability to read newspaper and magazine articles, contemporary fiction and non-technical writings without the use of a dictionary. Students will practice expressing ideas fluently and accurately orally, writing, and interpreting films. German culture is a significant part of the curriculum. Students will attend an immersion day at Colby College. The class will be conducted almost exclusively in German.

1 elective credit

## **SPANISH**

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

### **SPANISH I** Grades 9-12

Prereq: None

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.

1 elective credit

### **SPANISH II** Grades 9-12

Prereq: Spanish I

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.

1 elective credit

### **SPANISH III** Grades 10-12

Prereq: Spanish

II 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.

1 elective credit

### **SPANISH IV** Grades 11-12

Prereq: Spanish III

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.

1 elective credit

### **SPANISH V** Grades 11-12

Prereq: Spanish

IV

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.

1 elective credit

## **CAREER PREPARATION**

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**

### **ACCOUNTING I** Grades 11 – 12

Prereq: None

#### **Thomas College Offers Dual Enrollment and 3 College Credits**

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.

1 elective credit

**ACCOUNTING II**      Grades 11 – 12      Independent Class      Prereq: Accounting I  
This course is designed for students with a serious interest in accounting. The course expands on theories and applications covered in Accounting I. Additional topics include partnership accounting and introduction to corporate accounting.  
1 elective credit

**BUSINESS PRINCIPLES**      Grades 11 – 12      Semester      Prereq: None  
An introductory course on the major principles of business, including career preparation and job shadowing. Students will also learn about entrepreneurship culminating in creating a unique business plan.  
½ elective credit

**BUSINESS MANAGEMENT**      Grades 11 – 12      Semester      Prereq: None  
This course will focus on marketing and management. Also includes study of the stock market and a marketing-based project.  
½ elective credit

**PERSONAL FINANCE**      Grades 11 – 12      Semester      Prereq: None  
All the practical things you wished you learned in high school but somehow didn't. This course will teach consumer issues which everyone needs to know to make wise economic decisions following high school whether college bound or heading into the work force: decision-making, maintaining checking accounts, credit cards, personal, bank and student loans; personal income taxes; insurance; and negotiating buying a new/used car. This course is open to seniors, (also juniors who anticipate difficulty scheduling this course in their senior year.)  
½ elective credit

**DIRECTED STUDIES IN BUSINESS**      Prereq: Application Process with Proposal  
An advanced course designed to accommodate a variety of interests. It allows motivated students to enhance their skills. They work independently and problem solve as they pursue their own interests through projects that they research, select and create. The instructor acts as a facilitator and resource. Students are required to maintain a journal and prepare a portfolio of their work. See Instructor for application materials.  
1 elective credit

### **TECHNOLOGY**

**TECHNOLOGY AND CAREER EXPLORATION**      Grade 9      Semester      Prereq: None  
Students will learn useful and practical applications including word processing, spreadsheets, presentations and desktop publishing. They will create many multi-media projects integrated within other Freshman classes. Emphasis will also be placed on Career Exploration and technology skills to prepare for the world beyond school.  
½ Computer credit

### **TECHNOLOGY ELECTIVES**

**OFFICE MANAGEMENT**      Grades 10– 12      Semester      Prereq: Permission of Instructor  
This course introduces the student experience to office suite programs used in business today. The student will learn through participation in a simulated office environment.  
½ Computer or elective credit

**INTRO TO COMPUTER SCIENCE**      Grades 10 – 12      Semester      Prereq: Permission of Instructor  
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.  
½ Computer or elective credit

**DESKTOP DESIGN APPLICATIONS** Grades 10 – 12 Semester Prereq: Permission of Instructor  
This course introduces planning, page layout, and the use of templates to create flyers, documents, brochures, and newsletters. ½ Computer or elective credit

**MULTIMEDIA PRODUCTION** Grades 10 – 12 Semester Prereq: Permission of Instructor  
This project-based course will provide instruction in the use of digital audio and video equipment and related editing software. ½ Computer or elective credit

**WEB DESIGN I** Grades 10-12 Semester Prereq: Permission of Instructor

**Thomas College Offers Dual Enrollment and 3 College Credits**

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.

½ Computer or elective credit

**GAME PROGRAM DEVELOPMENT** Grades 10-12 Semester Prereq: Web Design I or Intro to  
Computer Science & Permission of Instructor

This course helps students understand the creativity needed to program effectively and reinforces the software developments cycle. Students plan, design, code, and test computer games.

½ Computer or elective credit

**DIRECTED STUDIES IN COMPUTER TECHNOLOGY** Prereq: Application Process  
with Proposal

An advanced course designed to accommodate a variety of interests. It allows motivated students to enhance their skills. They work independently and problem solve as they pursue their own interests through projects that they research, select and create. The instructor acts as a facilitator and resource. Students are required to maintain a journal and prepare a portfolio of their work. See Instructor for application materials.

½ or 1 Computer or elective credit

**SOFTWARE APPLICATIONS I** Semester Prereq: Permission of Instructor  
This course will introduce students to concepts in the following application software: Microsoft Word (word processing), Excel (spreadsheets), and PowerPoint (computerized presentations). Students will complete projects at the basic and intermediate skill level, which will benefit students as they progress through college and beyond. Students must pass one or two competency exams for each application for successful completion of the course. ½ Computer or elective credit

**SOFTWARE APPLICATIONS II** Semester Prereq: Minimum grade of “C” in Software Applications  
I

This course will introduce students to more advanced concepts in application software. Microsoft Word, Excel, Access, and PowerPoint are the software components of this course. Examples of skills to be achieved are creating, editing, saving, and printing of documents, templates, tables, charts, and macros. PowerPoint topics include creating, editing, and printing presentations working with Word Art and Clip Art.

½ Computer or elective credit

**INTERNET TECHNOLOGIES** Semester Prereq: Permission of Instructor  
Students will be introduced to the Internet and the World Wide Web Internet services. Students will be introduced to Web servers and browsers and investigate resources on the Web. The course will include sections on HTML, images and graphics, multimedia resources, conversion tools, and JavaScript.

½ Computer or elective credit

**YEARBOOK I and II** Grades 11-12 Prereq: None

Learn to use Josten’s Yearbook Avenue, 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 in preparation for working on the yearbook.. Juniors may also take this class second semester or for a full year in preparation for publishing the yearbook. Seniors must take the class first semester or for a full year to meet publication deadlines.

1 Computer or elective credit

## **INDUSTRIAL ARTS**

### **INTRODUCTION TO INDUSTRIAL ARTS** Grades 9 – 12

Prereq: None

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. 1 elective credit

### **WOOD DESIGN** Grades 10-12

Prereq: Intro to IA

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. ½ Fine Arts or elective credit

### **METALS DESIGN** Grades 10-12

Prereq: Intro to IA

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 and more specialized use of tools and machinery. ½ Fine Arts credit

### **HONORS WOOD DESIGN** Grades 11-12 Semester

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

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.

½ Fine Arts credit

### **HONORS METAL DESIGN** Grades 11-12 Semester

Prereq: Metals Design completion with

High Achievement or Permission of Instructor

This course expands upon the design and construction techniques of Metals Design. Students will explore the properties and qualities of metals that lend themselves to more free form, creative work. They will be exposed to various artists and cultural contributions of the metalworking arts throughout history. Students will design and create works in metals 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.

½ Fine Arts credit

### **ENGINEERING DRAWING AND DESIGN** Grades 10-12

Semester

Prereq: Intro to IA or Permission of Instructor

This elective course will provide the opportunity to understand the complexities of engineering drawing using CAD software extensively. Students will become proficient with Key Creator for mechanical engineering; and West Point Bridge Designer for civil engineering. 3D printing will be used to produce models of the CAD designs.

½ elective credit

### **ARCHITECTURAL DRAWING AND DESIGN** Grades 10 – 12 Semester

Prereq: Intro to IA or Permission of Instructor

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.

½ elective credit

**BOAT BUILDING** Grades 11 – 12

Prereq: Interview with Instructor

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.

½ Fine Arts and 1/2 Math credit with permission from Instructor

**DIRECTED STUDIES IN IA**

Prereq: Application Process with Proposal

An advanced course designed to accommodate a variety of interests. It allows motivated students to enhance their skills. They work independently and problem solve as they pursue their own interests through projects that they research, select and create. The instructor acts as a facilitator and resource. Students are required to maintain a journal and prepare a portfolio of their work. See Instructor for application materials.

1 elective credit

**ADDITIONAL ELECTIVES****WORK EXPERIENCE**

Grades 9 – 12 Semester/Year

Prereq: Permission of Guidance Counselor

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. Students may participate in this activity in addition to enrolling in the six required courses.

½ elective credit/1 elective credit

**OFF-SITE WORK EXPERIENCE** Grade 12 Semester/Year

Prereq: Interview with Instructor

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. 1 elective credit per semester

**SENIOR PROJECTS** Grade 12 Semester/Year

Prereq: Interview with Supervisor and Acceptance of Proposal

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.

½ elective credit/1 elective credit

**EARLY COLLEGE CREDIT & VIRTUAL HIGH SCHOOL PROGRAMS****EARLY COLLEGE CREDIT** Grades: 11 - 12

Prereq: 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.

**VIRTUAL HIGH SCHOOL** Grades: 11 - 12

Virtual High School (online) classes are open to juniors and seniors with seniors given first priority. MCHS is allotted 25 slots per semester through the VHS consortium. VHS offers over 200 semester courses in Arts, Business, English

Language Arts, Foreign Language, Life Skills, Mathematics, Science, Social Studies, and Technology. In addition, VHS offers Advanced Placement (AP) full year courses and pre-advanced placement semester-length courses. If you are interested in taking an online course, go to [govhs.org](http://govhs.org) to take a self-grading questionnaire to see if you are the kind of student that would be successful in an online environment. VHS courses may NOT replace specific departmental high school graduation requirements without prior approval from the Dept. Leader. Applications are in guidance.

## 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 Schools 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 21<sup>st</sup> 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.

### **ARCHITECTURAL & ENGINEERING DESIGN**

Juniors/Seniors

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 class 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

**AUTO BODY REPAIR—PAINT & REFINISHING** Juniors/Seniors

Auto Body Repair – Paint & Refinishing is a two year program providing instruction in all phases of automotive refinishing and non-structural repair.

In the 2015-2016 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 2016-2017 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

**AUTOMOTIVE TECHNOLOGY**

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

## **AUTOMOTIVE TECHNOLOGY II**

Juniors/Seniors

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

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.

## **BUILDING CONSTRUCTION**

Juniors/Seniors

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

## **BUSINESS ACADEMY**

Juniors/Seniors

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

## **BUSINESS ACADEMY II**

Seniors

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

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

## **CERTIFIED NURSING ASSISTANT**

Juniors/Seniors

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

## **COMPUTER TECHNOLOGY**

Juniors/Seniors

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

## **COMPUTER TECHNOLOGY II**

Seniors

**Prerequisites: students that have successfully completed Computer Technology may apply. Applications will be considered based on a rubric provided by CATC.**

### **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.

## **CULINARY ARTS**

Juniors/Seniors

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

## **CULINARY ARTS II**

Seniors

**Prerequisites: students that have successfully completed Culinary Arts may apply. Applications will be considered based on a rubric provided by CATC.**

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

## **EARLY CHILDHOOD EDUCATION**

Juniors/Seniors

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 2<sup>nd</sup> year of the Early Childhood Education program.

### **College Credit Opportunities:**

Dual enrollment with: Thomas College

## **EARLY CHILDHOOD EDUCATION II**

Seniors

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

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 2<sup>nd</sup> year of the Early Childhood Education program

## **ELECTRICAL TECHNOLOGY**

Juniors/Seniors

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 KVCAP 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

## **GRAPHIC DESIGN AND PRINTING**

Juniors/Seniors

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

## **GRAPHIC DESIGN & PRINTING II**

Juniors/Seniors

**Prerequisites: 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.**

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.

## **LAW ENFORCEMENT ACADEMY**

Juniors/Seniors

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

**MACHINE TOOL TECHNOLOGY & WELDING FABRICATION**

Juniors/Seniors

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

**MACHINE TOOL TECHNOLOGY & WELDING FABRICATION II**

Seniors

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

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, Blue print reading and other advanced aspects of welding.

**MEDICAL/VETERINARIAN TERMINOLOGY**

Juniors/Seniors

The first semester of the course will cover medical terminology. The 2<sup>nd</sup> 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

**PLUMBING & HEATING**

Juniors/Seniors

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 (2015-16), 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 (2016-17), 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