

PROGRAM OF STUDIES



2014-2015

SACOPEE VALLEY CREDIT REQUIREMENTS

CREDIT REQUIREMENTS: Sacopee Valley High School operates on an eight period schedule. Students are required to take a minimum of 7 courses at all times. In order to graduate, students must earn a minimum of 23 credits. Of the 23 credits required to graduate, students must earn a minimum of: 4 credits in English, 4 credits in social studies, 4 credits in math, 4 credits in science, 1 credit in the arts, 1/2 credit in computer applications, 1 credit in physical education, and 1/2 credit in health (Wellness). Students typically fulfill the state requirement in Maine Studies during middle school.

DIPLOMAS: A student who has successfully fulfilled the 23-credit requirement will receive a Sacopee Valley diploma.

CREDIT REQUIREMENTS

Year of Graduation	2014 Credits Required	2015 Credits Required	2016 Credits Required	2017 Credits Required
English	4	4	4	4
Math (required: Algebra I, Geometry, and Algebra II)	4	4	4	4
Science	4	4	4	4
Social Studies - (required: U.S. History, Citizenship, World History and Senior Seminar)	4	4	4	4
Wellness	1 ½	1 ½	1 ½	1 ½
Fine Arts	1	1	1	1
*Computer	½	½	½	½
Electives	4	4	4	4
Total Credits Required	23	23	23	23

- Please note that foreign language is not required for graduation; however, we are proud to offer three comprehensive language programs with four-five levels. Most colleges require a minimum of two years' study in the same language; however, three or four years of in-depth study is highly recommended for acceptance to competitive college programs.
- In all three languages, students must show satisfactory mastery and earn credit for each level before promotion to the next level of language study. Any repetition of a level, or acceleration, will be at the discretion of the world language team of instructors and administration.
- **Completion of all state mandated standardized testing is required for graduation.**
- Computer competency may be demonstrated by passing a proficiency exam.

ATTENDANCE AND CREDIT: The awarding of Sacopee Valley credit is linked to both student achievement and student attendance. Daily attendance, punctuality, and active participation in class are essential components of the learning process. Students need to be in the classroom to benefit from instruction, demonstrations, hands on activities, and the interaction and exchange of ideas with teachers and fellow students. Students who are absent from class are never able to duplicate these valuable classroom learning experiences. A student may miss no more than twelve (12) classes per year in a yearlong course or six (6) classes per semester in a semester long course. Five (5) tardies to any class will be counted toward the allowable limit as one (1) absence. If these allowable limits are exceeded, the student will not receive credit (NC) for the course irrespective of the grade received. An NC is not used in computing grade point average (GPA).

LAKE REGION VOCATIONAL CENTER: Lake Region Vocational Center offers a variety of sequential 2-year and 4-year programs. These programs are designed to give students an entry-level skill in an occupational area and/or serve as preparation for further education/training. Students who choose to attend Lake Region Vocational Center may fulfill some of their core course requirements through successful completion of their vocational program.

EARLY COLLEGE AND ADVANCED PLACEMENT: Sacopee Valley students can earn college credit while in high school by enrolling in courses at Southern Maine Community College and the University of Southern Maine. A number of Advanced Placement courses are available to our students. These courses provide students with opportunities to take college level courses while still in high school. Many colleges grant credit based upon scores received on Advanced Placement exams.

VIRTUAL HIGH SCHOOL: The VHS Collaborative offers more than 150 high school courses (Advanced Placement, Pre-Advanced Placement, Honors, and Electives) in a wide variety of subject areas (Business, Foreign Languages, Math, Science, Language Arts, Technology). These courses are taught using the concept of Co-Synchronous e-Learning which means that a group of students and a certified teacher learn together in online classrooms over a scheduled period with regular assignments—but do not necessarily ever log on to the course at the same time. Sacopee students have one VHS period in their regular schedule cycle and may access their course 24/7

wherever they have internet access. VHS courses run for 15 weeks (one semester except for Advanced Placement which is two semesters) and earn one credit (except for Advanced Placement where two credits are earned because it is two semesters). Sacopee students who take a VHS Advanced Placement course are required to take the Advanced Placement examination. There is also the potential for Advanced Placement scholarships to assist with this cost. Many colleges grant college credit based on Advanced Placement exam scores.

LEARNING LABS: Learning labs will be offered to students during the school day. These labs will provide students with the opportunity for a structured study hall with a classroom teacher. There will be a learning lab that will be dedicated to seniors in danger of not graduating. Placement in the senior learning lab will not be voluntary for students. It will be at the discretion of the 12th grade team and administration.

CREDIT RECOVERY: Credit recovery will be offered in the four core subject areas. This program will allow students to make up credit from previously failed core subjects. Administrative approval is required to be in the program.

COURSE REGISTRATION: When registering, students should take courses that challenge their academic abilities. Students who are considering two or four year colleges are encouraged to take at least two years of the same foreign language.

WEIGHTED GRADES: The following courses receive additional weight impacting students' overall GPA: AP Language, AP Literature, AP World History, Calculus, AP Biology, AP Chemistry, AP Latin, AP Spanish, AP VHS, and AP French.

COURSE CHANGES: The school makes substantial commitments of resources (faculty, books, and supplies) to build a master schedule that reflects the initial requests of students. There will be a brief add/drop period during the first five days of the school year. After that period, schedules may be changed only when: 1) a teacher initiates a change, 2) a counselor recommends a change, 3) when classes need balancing, or 4) when a course is undersubscribed or eliminated. Regardless of the reason for a change in schedule, the teachers involved, a guidance counselor, a parent, and an administrator must approve all changes.

STUDENT ACTIVITIES: Sacopee Valley encourages all students to participate in one or more of the following:

Fall Sports: Cheerleading, Field Hockey, Football, Golf, Soccer

Winter Sports: Basketball, Cheerleading, Hockey

Spring Sports: Baseball, Outdoor Track, Softball

Other Activities Include: Band, Chorus, Musical, One Act Plays, Tech Crew, National Honor Society, Student Council, Class Officers, TV 2, Intramurals, JROTC, International Club, Junior Classical League (JCL), and Math Team

CORE VALUES AND BELIEFS

Learning and Teaching with HONESTY, RESPONSIBILITY, and RESPECT

These are the values upon which Sacopee Valley High School builds itself. We strive to create a learning environment designed, first and foremost, to meet the needs of students. We believe that these values apply to, and must be held equally by, all members of the school community - students, staff, administrators, citizens of the five towns, and the district school board - in order for the exchange of ideas to happen in a safe atmosphere.

Additionally, we believe that we are all individuals, and should be treated as such. However, these are our commonalities:

- We can all learn and have a responsibility to continue to do so
- We share responsibility for using available resources equitably and effectively
- We have a shared responsibility to cooperate and collaborate for the greater good of the school
- We have the shared responsibility to always represent our school with honor and integrity

Further, we believe that all students must be prepared for higher education, a successful career, and informed, active citizenship in the 21st Century.

To these ends, we structure learning at Sacopee Valley High School such that all students have sufficient opportunities to meet the standards of both the Parameters for Essential Instruction and the Guiding Principles developed by the state of Maine Department of Education.

http://www.21stcenturyskills.org/route21/index.php?option=com_content&view=article&id=102&Itemid=180

<http://www.maine.gov/education/Ires/pei/index.html>

<http://www.maine.gov/education/standards.htm>

Course Offerings

English

English 9:

Prerequisite: None

1 credit

Grade 9

This course will focus on grammar, composition, and reading comprehension. Students will leave the course demonstrating understanding of the purpose of different types of non-fiction writing. These writing types include expository, narrative, persuasive, and autobiographical essays. The focus of the reading portion of this course is on fictional texts, and some non-fiction writing. Students will be introduced to MLA format. Students interested in committing to a yearlong Honors Challenge will receive credit on their transcript for an Honors level English course.

English 10:

Prerequisite: English 9

1 credit

Grade 10

This course will build upon the skills acquired in English 9 and will focus on enhancing students' analytical and critical thinking skills in addition to refining both their formal and informal writing skills. The reading portion of this course will focus primarily on works by William Shakespeare and George Orwell with additional short stories, poems, and songs by various authors. Students will be expected to read and complete in-depth analyses of each text. Alternate or additional texts may be utilized at the teacher's discretion or based on student need. The writing portion of this course will encompass a wide range of forms including journals, creative short stories, analytical essays, one formal thesis paper, and one in-depth research paper. Students will be introduced to the intricacies of research and citation and will be expected to showcase an ability to properly use MLA documentation. Students will receive grammar instruction through the drafting, proofreading, and revising process of writing.

Pre-Advanced Placement

English 10

Prerequisite: English 9

1 credit

Grade 10

The purpose of Pre-AP at the tenth grade level is to better prepare students interested in taking Advanced Placement English courses in their junior and senior years. This course is open to any students who wish to

challenge themselves with a more rigorous reading and writing workload, but it is highly recommended for students intending to move on to Advanced Placement Language and Literature. Students willing to take on and commit to the challenge will read a wide variety of texts including novels, poems, plays, and non-fiction essays by British authors from the Romantic and Victorian periods. The expectation of the course is that students will read the texts at a relatively quick pace and come to class prepared to be an active and eager participant in discussions. This course will also be the students' initial experience in writing the types of essays that will be the focus of the Advanced Placement Language and Literature courses. In addition to analytical essays about each text, students will also be expected to write an in-depth research paper that showcases an understanding of MLA documentation. A strong work ethic is absolutely necessary to succeed in this course; any student unable to maintain an average of at least a 70 may be asked to transfer to English 10.

English 11:

Prerequisite: English 10

1 credit

Grade 11

This course will focus on building and refining the skills learned in the previous two years of English language study. Students will read a variety of texts that demonstrate a number of writing forms to include both non-fiction and fiction selections. Texts include, but are not limited to: The Crucible, Canterbury Tales, Shakespearean plays (including Macbeth or Othello), and any other texts available and relevant to students' needs as readers. Students will be expected to show mastery of a variety of essay types, grammar, and MLA documentation. There will be a yearlong focus on SAT preparation for the mandatory Saturday test in early May. Students should expect nightly homework. No student will be permitted to take this course until he or she has satisfactorily earned credits for English 9 and 10 without permission from the teacher/administration.

Language and Composition

Advanced Placement

1 credit

Prerequisite: English 10

Grade 11

The purpose of AP Language and Composition is to teach the student how to think more critically about various types of communication. The title of the course includes the word *composition*, which would seem to suggest the course will merely be looking at different types of writing. In fact, this course will cover both verbal (spoken and written) and nonverbal types of communication (advertisements, graphs, paintings, statues, etc). Students will learn to decode the rhetoric of the message a rhetor is trying to send, and they will also become emerging and effective rhetors themselves. The culminating event of the course is the Advanced Placement exam given in May, which is proctored by someone other than the instructor. Given a high enough score on this exam (generally a 4 or 5, sometimes 3), students may be awarded college credit at the college of their choice. All students will take the basics of rhetoric away from this course. Homework should be expected nightly; the AP exam in May is a required element of the course.

English 12:

1 credit

Prerequisite: English 11

Grade 12

This course will enable students to become more competent readers, writers, speakers, and thinkers. The great thought, laughter, and learning that occur in this class remain the primary focus throughout the year. The cornerstone of the English 12 curriculum is the writing portfolio, which students will complete every quarter. The portfolio represents the culmination and synthesis of what students will have learned about writing and reading. Students will read at least four class texts, complete a wide range of projects in response to self-selected texts, make at least four group or individual oral presentations in class, and write multiple essays, quarterly student reflections, and daily journal entries. Students will be expected to show mastery of MLA format through a research paper. We will also engage in weekly writing workshops to further hone skills in the application of the writing process. In this class, you will not be measured by how your work compares to others, but how your work, ideas, and efforts improve, grow, and mature as the year progresses.

Literature and Composition

Advanced Placement

1 credit

Prerequisite: English 11

Grade 12

This course offers highly motivated students the opportunity to earn college English credits while completing their senior year in high school. This course challenges students not only to read and analyze a variety of high quality literary genre, but also to write about literature in a mature and sophisticated style. The amount of reading and writing is rigorous, as students will read approximately one text and write one to two essays a month. While participating in the Advanced Placement test during early May is a requirement of this course, the curriculum also focuses on helping students develop as effective communicators who think deeply, analyze critically, solve problems effectively, and employ emerging technologies for research and writing as they prepare for a college career. Students also must maintain an 85 average at the end of each quarter. Students failing to maintain an 85 average may be asked to leave the course.

Mathematics

Pre-Algebra/Algebra I

2 credits

Prerequisite: None

Grade 9

Students will study the structure of the real number system. Upon completion of this course, students will be expected to have knowledge of the following algebraic concepts: use of the language of algebra, use of the real number system, solving and applying linear equations, graphing relations and functions, analyzing and solving linear inequalities, adding, subtracting, multiplying, dividing, and factoring polynomials, understanding and applying basic probability. Students will continue to develop their skills using decimals, fractions, percents, and proportions.

Algebra I/ Advanced Geometry

2 credits

Prerequisite: Teacher Rec.

Grade 9

This course is designed for students who excel in mathematics. Students will take a full Advanced Algebra I course during the first semester. The second semester will concentrate on Euclidean geometry including the concept of proof, properties of lines, triangles, quadrilaterals, and circles. They will also study formulas for area of polygons and volume of polyhedrons. Placement will be based on 8th grade NWEA test scores and teacher recommendation.

Geometry

1 credit

Prerequisite: Algebra I

Grades 9-10

This course builds on the skills of Algebra I through the study of Euclidean Geometry. Students will be introduced to the concepts of proof while studying the properties of lines, triangles, quadrilaterals, and circles. They will also study formulas for area of polygons and volume of polyhedrons.

Algebra II

1 credit

Prerequisite: Algebra I

Grades 10-12

This course builds on the foundation of Algebra I and prepares the students for commonly found topics in post-secondary math courses. Topics to be covered: equations and inequalities; linear relations and functions; systems of equations and inequalities; matrices; polynomials; irrational and complex numbers; quadratic equations; and quadratic relations and functions. **Students may opt to take this course concurrently with Geometry, with their current math teacher's recommendation.**

Advanced Algebra II

1 credit

Prerequisite: Algebra I

Grades 10-11

This course is designed for students who excel in mathematics and wish to prepare for a career in mathematics or the sciences. Students will conduct a more in-depth study of algebraic concepts and move at a faster pace. Topics to be covered: equations and inequalities; linear relations and functions; systems of equations and inequalities; irrational and complex numbers; polynomials; quadratic equations; and quadratic relations and functions. A student must have a grade of 80 or higher in their current math course and/or teacher recommendation to be eligible to take this course.

Algebra III

1 credit

Prerequisite: Algebra II

Grades 11-12

Algebra III is a practical algebra course designed for students who are preparing to take post-secondary courses that require strong algebra skills and knowledge. Students will review linear and quadratic functions and their applications, higher order functions, logarithms, and trigonometry.

Pre-Calculus

1 credit

Prerequisite: Algebra II

Grades 11-12

This course is designed for students planning to pursue careers in the fields of science, computer science, or mathematics. Pre-Calculus includes trigonometry, circular functions, complex numbers, logarithmic and exponential functions, linear and quadratic regression. It is strongly recommended that students have their own graphing calculator. A student must presently have a grade of at least 80 and/or teacher recommendation to be eligible to take this course. This course is a prerequisite for Calculus.

Statistics

1 credit

Prerequisite: Algebra II

Grade 12

This course covers many topics in probability and statistics. It is an introductory course including basic probability, random variables and their distribution, regression and correlation.

Project Aspire College Calculus

1 credit

Prerequisite: Pre-Calculus

Grade 12

This course is strongly recommended for students who are considering college study in mathematics, science, the medical field, or engineering. This is a college level course that requires the ability to self-motivate and work independently. Successful completion of this course will result in 4 credits from USM (there is a \$75 fee for this course).

Science

Foundations of Science **1 credit**
Prerequisite: None **Grade 9**

This is a required freshman class which is designed to prepare students for upper level courses. There will be a quarter of each of the following topics: Life Science, Earth and Space Science, Physics and Chemistry. The scientific method and metric system will be emphasized throughout the course.

College Biology **1 credit**
Prerequisite: Science 9 **Grades 10-12**

This course is designed to familiarize students with the nature of life, its structures, functions, and interactions. Students study the interconnection that exists within and among all living things. Emphasis is placed upon inquiry, problem solving, and laboratory experimentation. Students will be expected to complete daily homework, conduct labs, write detailed lab reports, and complete long-term projects.

Anatomy and Physiology **1 credit**
Prerequisite: 10th grade science **Grades 11-12**

This course is a yearlong program of intense human anatomy and physiology studies designed to give students a basic understanding of the structures and functions of the human body beyond those concepts already mastered in the standard secondary school biology or health course. The areas covered will include medical terminology, basic chemistry, cell and tissue structure, and the 11 systems of the human body. Laboratory work will be conducted including appropriate dissections and practicals.

AP Biology **2 credits**
Prerequisite: College Biology **Grades 11-12**

This challenging course is intended for students who have previously shown a strong aptitude in the sciences. This course moves through complex material at a rapid pace. Topics include: chemistry, cells, heredity, genetics, bioethics, evolution, classification, microbiology, plants, invertebrates, and human biology. The two main goals of the A.P. Biology course are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process.

Chemistry **1 credit**
Prerequisite: Biology and Alg. II concurrently
Grades 11-12

Students will study the structure of the atom, periodicity, bonding, chemical formulas, chemical equations and reactions, phases of matter and their

properties, and acids and bases. Historical context and information will be an integral part of the course. Emphasis will be based equally on inquiry and content.

AP Chemistry **2 credits**
Prerequisites: Alg. II and Chem. **Grades 11-12**

This course is designed to be an equivalent of general chemistry usually taken during the first year of college. Students will attain a depth of understanding in the fundamentals of the structure and states of matter, as well as competence in dealing with chemical problems. The goal of this course is to effectively prepare students to be successful in the AP Exam as well as chemistry courses in college. Students are expected to independently study chapters 1-4 of the textbook during the summer before they take AP Chemistry.

Physics **1 credit**
Prerequisites: Alg. II and Chem. **Grades 11-12**

Students will spend the first semester studying vectors, motion, both linear and rotational, gravity, work and energy, momentum and collisions, and fluid mechanics. The second semester will focus on thermodynamics, waves, optics, and electricity. Historical context and information will be an integral part of the course. Although much of this course will be content based, there will be numerous inquiry-based lab procedures.

Engineering and Design/Robotics **1 credit**
Prerequisite: Alg. II **Grades 11-12**

This class covers fundamentals of robotics, technical design, communication, energy and power management, and manufacturing. It will focus on applications in robotics, transportation, electromagnetics and mechanical design.

Environmental Science **1 credit**
Prerequisite: 10th grade science **Grades 11-12**

Environmental science is a yearlong course that seeks to integrate various fields of academic study to understand the Earth as a system, as well as the energy and human impact throughout Earth's systems. In this class, students will engage in inquiry-based activities that will demonstrate the interconnectedness of Earth's different systems and assess the health of various local and global ecosystems. Specific topics of study will include; earth systems and resources, ecosystems, population, land and water use, energy resources and consumption, pollution, and global climate change.

Marine Biology**1 credit****Prerequisite: College Biology****Grades 11-12**

Marine biology is a year long class that is intended for students interested in learning about the marine environment. The class will focus on organisms that live in the ocean and their interactions with each other. Topics include a history of animals and plants in the ocean, chemistry of the ocean, form and function of organisms, and human impacts. Lab work and hands-on experiences in the environment will be included in this class.

Social Studies

U.S. History **1 credit**

Prerequisite: None **Grade 11**

This is a study of social, political, economic, and foreign related aspects of United States History. The course will cover important eras starting with the Spanish-American War, and will study industrialization, urbanization, American imperialism, progressive period, both World Wars, the roaring twenties, New Deal, Cold War, Civil Rights, Vietnam War, and other contemporary topics. Students interested in committing to a yearlong Honors Challenge will receive credit on their transcript for an Honors level U.S. History course.

Civics **1 credit**

Prerequisite: None **Grade 10**

This 10th grade requirement combines elements of career exploration and civics. Students will study the constitution, economics, geography, and the other social studies. Students will participate in a variety of activities including college visits and community service. Students will create a portfolio and personal learning plan, which they will present during their Gateway Presentation at year's end. Students interested in committing to a yearlong Honors Challenge will receive credit on their transcript for an Honors level Citizenship course. **Students enrolled in JROTC II as 10th graders will fulfill this requirement through that course.**

Modern World History **1 credit**

Prerequisite: None **Grades 9/11**

Students study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. Additionally students study the origins and consequences of the Industrial Revolution, 19th century political reform in Western Europe, and imperialism in Africa, Asia, and South America. Students will explain the causes and consequences of the great military and economic events of the past century, including World War I, the Great Depression, World War II, the Cold War, and the Russian and Chinese revolutions.

AP European History **1 credit**

Prerequisite: Pre-AP History **Grades 11-12**

Advanced Placement World History is a challenging three term course that is structured around the investigation of selected themes woven into key concepts covering distinct chronological periods. AP World History is equivalent to an introductory college survey course. The course has a three-fold purpose.

First, it is designed to prepare students for successful placement into higher-level college and university history courses. Second, it is designed to develop skills of analysis and thinking in order to prepare students for success in the twenty-first century. Finally, it is the intent of this class to make the learning of world history an enjoyable experience. Students will be able to show their mastery of the course goals by taking part in the College Board AP World History Exam in May.

Senior Seminar **1 credit**

Prerequisite: None **Grade 12**

In this discussion-based course, students will answer the essential questions: Who am I? What have I learned? Where am I going? Through a series of intensive interactive activities, which include rhetoric (presentation & debate), philosophy, applied ethics, current events, and 25 hours of community service, students will observe, discuss, interpret, and apply a variety of information as they develop and define their personal belief system. The course will culminate with a student created exhibit and successful participation in Senior Week Activities.

Civil War **½ credit**

Prerequisite: None **Grade 10-12**

This course will look at the Civil War using primary sources available through the internet, libraries, and biographies. The students will look at key leaders, major and minor battles that impacted the conflict and the nation. They will examine the social, economic, and political aspects of the Civil War. Each student will select a figure to research using primary sources and determine the motivation, goals, fears, actions of the individual. The student will have an understanding of the causes and effects of the conflict and be able to relate these issues to our national history since 1865 and what it means to us as a nation now and to them the student. The course will require reading of portions of several books and writing of research papers. The students can receive elective college credits for work done by completing additional assignments, research papers, and assessments as specified by the JROTC program in association with RTG & Associates through the University of Colorado at Colorado Springs and Adams State College of Colorado.

Health and Physical Education

Wellness 9/10

½ credit

Prerequisite: None

Grades 9-10

This is a required course for all students and can be completed in 9th or 10th grade. The course is designed to give students the basic skills necessary to maintain healthy, active lives. The focus will be on cooperative activities, lifetime skills, and activities that require critical thinking skills. The fitness component will be fairly strong, as students will learn how to prepare for activity and maintain certain fitness levels. Students enrolled in JROTC I as 9th graders will fulfill this requirement through that course.

Wellness 11A

½ credit

Prerequisite: Wellness 9/10

Grade 11

Wellness 11A will be offered during the fall semester (1st and 2nd quarter) of the school year. It will be offered to students that have completed the semester long Wellness 9/10 course. The course will combine the Learning Results and Standards of both health and physical education. The physical education activities will consist of team sport activities, dual sport activities, and individual sport activities. Fitness testing will take place and students will be required to develop a fitness plan based on the results of their fitness tests. Student will also be asked to research a sport activity and will submit a paper on the history of the sport, how it has evolved, and the role of sports in society. The health topics covered will include fitness and exercise, nutrition principles (diseases and disorders), mental health, stress, and decision making. Wellness 11A will conclude with students having the opportunity to become certified in First Aid and CPR.

Wellness 11B

½ credit

Prerequisite: Wellness 9/10

Grade 11

Wellness 11B will be offered during the spring semester (3rd and 4th quarter) of the school year. Students will be able to take Wellness 11B if they have completed the semester long Wellness 9/10 course. Wellness 11B will also combine the Learning Results and Standards of both health and physical education. The physical education activities will include a review of activities covered during the Wellness 11A course. Students will also be asked to “morph” two different activities together to create a new form of the activities. The end result will be presented to the entire class. Fitness testing will also take place in Wellness 11B. The health topics covered will include substance abuse, human sexuality, sexually transmitted infections, and environmental health issues.

Visual Arts

Fine Arts Introduction **½ credit** **Prerequisite: None** **Grades 9-12**

In this introductory level semester course, students will have the opportunity to explore various visual art forms and techniques through the elements and principles of art and design. Students will be introduced to a variety of media through two-dimensional and three-dimensional approaches to creating and responding to visual arts.

Introduction to Painting **½ credit** **Prerequisite: None** **Grades 9-12**

In this semester course, students will explore different approaches to painting techniques using a variety of media. Emphasis will be placed on the elements of art and design with a focus on color and composition. Students will develop technical skills and personal style, and variety of subject matter will be explored.

Art I **1 credit** **Prerequisite: None** **Grades 9-12**

In this full year course, students explore a variety of media and art making techniques while developing individual style and creative problem solving skills. Students will develop an understanding of the elements and principles of art and design, and will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings.

Ceramics **½ credit** **Prerequisite: None** **Grades 9-12**

This semester course examines many aspects of clay construction and decoration through creating functional, sculptural and decorative clay objects. Students will learn hand-building techniques such as pinch, coil, and slab, as well as have the opportunity for throwing on the pottery wheel. A variety of glazing methods and surface decoration will also be explored.

Digital Photography **½ credit** **Prerequisite: None** **Grades 9-12**

Do you like making pictures? Do you find yourself taking photographs all the time? This is the class for you. Digital Photography One is an introductory class for anyone interested in the art of photography. We will begin to explore the basics of 2-Dimensional design in relation to photography as well as enter the world of digital editing. Students in this class will create a digital portfolio of works that they create over

the course using an online blog. Students will be able to work on self-guided projects so they can find their own identity within the medium as well as take part in more structured assignments.

Digital Photography II **½ credit** **Prerequisite: Photography I** **Grades 10-12**

If you enjoyed Photography One, why not dive into Photography Two to learn more? In Photography Two, students will begin to use photography as a mode of self-expression as well as communication. Students will combine the technical skill and knowledge learned in Photography One with projects that push a personal message or a journalistic approach. We will begin to explore the intent behind your imagery as well as contemporary artists and historical references.

Art II **1 credit** **Prerequisite: Art I or Intro** **Grades 10-12**

This full year course builds on the student's foundation of knowledge developed in Intro or Art I. The study of the elements of art and principles of design, color theory, vocabulary, and art history continues in Art 2 with an emphasis on developing individual artistic style and independent work. The approach to art experiences is less experimental and based more on informed choices.

Advanced Studio Art **1 credit** **Prerequisite: Art II** **Grades 11-12**

This full year course is designed to offer the experienced art student an advanced study in their area(s) of interest. Emphasis will be on broadening skills, developing creativity, studio production, and portfolio development. Students will be expected to frequently analyze and reflect upon their own work and the work of other artists.

Performing Arts

Concert Choir **1 credit** **Prerequisite: None** **Grades 9-12**

This course is for those of you who love music, and love to sing. Choir will involve learning about how to improve singing abilities, while learning about the basics of music theory and music history along the way. Students in this class will be required to perform in after school concerts, both formal and informal, throughout the year.

Concert Band **1 credit**
Prerequisite: Band Exp./Inst. Rec. Grades 9-12
Do you play an instrument and are interested in playing with a group? Band is for you. During the year, the band will participate in parades, sporting events, and concerts. We play a variety of music, work hard, and have a lot fun.

Beginning Piano **½ credit**
Prerequisite: None Grades 9-12
This course is for students who want to learn how to play piano. Students in this course will learn how to read music, and the beginning skills of piano playing. There is no experience necessary for this course.

Stagecraft **½ credit**
Prerequisite: None Grades 9-12
This course will focus on the technical side of theatrical production, offering an in-depth look at design for theatre including set, lighting, and costume design. In addition, students will learn about the construction and painting of scenery and the principles of safe and effective lighting. Students will be expected to read and interpret plays from different historical periods, develop designs, and assist in the technical preparation of school plays.

Acting I-A: Character **½ credit**
Prerequisite: None Grades 9-12
This performance-based class allows students to work on deepening their understanding of the actor's craft. Students will focus on creating a believable character. The course emphasizes the nature of theatre as a collaborative art form with group work, and encourages students to develop an ability to critique theatrical performances. Students will be expected to take an active part in classroom exercises and activities, as participation will make up a major part of each student's grade.

Acting I-B: Improvisation **½ credit**
Prerequisite: None Grades 9-12
This performance-based class allows students to work on deepening their understanding of the actor's craft. For the first quarter, students will work through exercises to understand how to tell engaging stories through improvisation. During the second quarter, students will explore more complicated improvisational structures and develop original scripts through improvisation. Students will be expected to take an active part in classroom exercises and activities, as participation will make up a major part of each student's grade.

Advanced Improvisation **½ credit**
Prerequisite: I-A or I-B Grades 9-12
This performance-based class will allow students to further their skills in the area of Improv. During this semester long class, all students will create and be a part of an Improv team that will regularly perform shows for the public and student body.

Advanced Acting **½ credit**
Prerequisite: Acting I-A Grades 10-12
This is an intensive class for students interested in exploring theater as a possible life long pursuit. Students will learn how to work with classical text and continue to develop their ability to access believable emotions and movements in their stage work.

Film **½ credit**
Prerequisite: None Grades 10-12
Students in this intensive class will be interested in exploring film as a career. Students will write, direct, and star in an original film genre of their choice. They will continue to develop their ability to access believable emotions and movements for the camera.

Modern/World Languages

Spanish I **1 credit**

Prerequisite: None **Grades 9-12**

Students will develop the skills necessary for communication in a language spoken across the globe. Daily oral (speaking and listening) and written (reading and writing) exercises will develop skills that can be used in real-life situations. Early emphasis on pronunciation enables students to pronounce new words on sight. The study of the cultures of both Spain and Mexico throughout the year raises student awareness of the interconnectedness of cultures and enhances student appreciation of multiculturalism.

Spanish II **1 credit**

Prerequisite: Spanish I **Grades 10-12**

Second-year Spanish students will continue to develop the skills necessary for communication, building on the material learned in Spanish I. Early emphasis on verb structures enables students to express themselves in a wider variety of ways, in both oral and written language. Daily oral and written exercises continue to provide students with the opportunity to use their skills in real-life situations. Fifty percent of the class will be conducted in the Spanish language.

Spanish III **1 credit**

Prerequisite: Spanish II **Grades 11-12**

The Spanish III class is conducted predominately in Spanish. Students will apply daily basic skills learned in the first two years, as well as improve oral fluency. This course especially targets person-to-person communication. Students will expand vocabulary and explore Hispanic culture through reading and discussion of short passages, as well as oral and written presentations. The Spanish III student will move towards a more sophisticated level of communication and understanding of cross-cultural connections and comparisons.

Spanish IV **1 credit**

Prerequisite: Spanish III **Grades 11-12**

The fourth-year of Spanish is conducted in complete immersion of the Spanish language. The class will focus on communication and conversation amongst one another. The students will be reading a novel in Spanish, and will engage in more in depth compositions on various topics. Enrollment in and completion of Spanish IV will prepare the student for

future success at college and becoming fluent in the Spanish language.

A. P. Spanish **1 credit**

Prerequisite: Spanish IV **Grades 11-12**

The AP Spanish class continues to be conducted entirely in Spanish, and is the equivalent of a third year college course. AP students are expected to speak Spanish in class at all times, building vocabulary as well as circumlocution strategies. The thematic course content is adapted on a yearly basis to fit the interests and meet the needs of students enrolled in the class, exploring culture from the Middle Ages to the present. Students at this level have completed their study of Spanish grammar and are now reviewing and reinforcing grammatical knowledge. Students increase their listening, speaking, reading, and writing skills, and practice using these skills in a variety of disciplines. Students further develop their interpersonal, interpretive and presentation communication skills through a variety of topics. This class will continue to raise student awareness of the interconnectedness of cultures and an appreciation of multiculturalism.

Latin I **1 credit**

Prerequisite: None **Grades 9-12**

Emphasis will be on continual oral and written drill exercises to reinforce the acquisition of basic Latin grammar and vocabulary, as well as to enable the student to read and translate fascinating stories from mythology and legend. Although Latin is not a modern spoken language, it is a "living" language; ergo, there is a heavy emphasis on both Latin roots and English derivative vocabulary building. The study of Latin benefits the student in many ways: a better mastery of the English language, in both grammar and vocabulary (improved SAT/college board scores!), a means towards more logical thinking and organized study, and a greater appreciation of the foundations of Western civilization through Rome's contributions to art, literature, architecture, politics, and government.

Latin II

1 credit

Prerequisite: Latin I

Grades 10-12

Second-year Latin students will first complete an extensive review of grammar learned in the first year. They will then proceed to study intermediate Latin grammar and to build more vocabulary. The course is rounded out with an in-depth study of English word building, based on analysis and decoding of Latin roots, prefixes and suffixes. Emphasis will also be placed on modern medical and legal uses of Latin. Translation work and cultural study will focus on historical heroes or villains of Rome as well as the expansion of Roman power from Romulus and the seven kings through the Republic to the early Empire. Completion of this course provides the minimum college admissions requirements for language study, although not all of the standards for the Maine State Parameters for Essential Learning.

Latin III

1 credit

Prerequisite: Latin II

Grades 11-12

The third-year in Latin offers an intellectually stimulating, challenging, and enjoyable program, which rewards students who have worked diligently and persevered through the demands of the first two years' foundations of grammar. Course work often takes the form of discussions, team projects and/or independent research, with a focus on Greek, as well as Roman, culture and history. Another important objective of the course is an ongoing study of etymology (English word-building), as well as further study of mythology, and a comparative (Greek versus Roman) literature/history survey.

Latin IV

1 credit

Prerequisite: Latin III

Grade 12

The fourth-year Latin program is designed to be similar to a college seminar class, including extensive translation of excerpts from a survey of Latin authors; discussion and analysis of Roman politics, literary style, etc.; frequent writing in the form of the three-point essay, in English; and considerable self-responsibility for assignments. The course, as a whole, includes some AP authors and provides a rigorous AP-caliber program; however, it does not carry AP credit *per se* due to the emphasis on a variety of topics, or when Latin IV is scheduled concurrently with AP Latin, due to a moderated expectation for quantity of translation. An advanced etymology project in the first semester and a literary research project in the second semester expands the Latin IV student's global mastery. The SAT II achievement test in Latin is encouraged. Enrollment in and completion of the fourth year of Latin prepares the student for

significant academic success at college and is therefore highly valued by college admissions personnel.

AP Latin – Vergil and Caesar

1 credit

Prerequisite: Latin III

Grades 11-12

Advanced Placement Latin offers an extensive and rigorous study of all required passages for Vergil's Aeneid and Julius Caesar's Commentarii De Bello Gallico, as well as a preliminary reading in English of the entire Aeneid epic and other works by Julius Caesar. Conducted in a college seminar style, the AP Latin course requires a prodigious commitment and work ethic, extensive translation, discussion, analysis, and appreciation of the literary works. Films, PowerPoint slideshows, and excerpts from other literature augment the students' overall comprehension of the political, historical, cultural, and social aspects of the Roman world. A comparative study of Greco-Roman history and literary developments, as well as extensive work in vocabulary and etymology, round out the syllabus. After the AP exam has been taken, each student, unless a senior, shall engage in a research project that focuses on an ancient author and literary work, to be completed by the final class.

French I

1 credit

Prerequisite: None

Grades 9-12

Students of French I will develop the skills necessary for communication in a language spoken on 5 continents and in 43 countries. **Communication**, expressing oneself in a way that is clearly understood, is more than just learning vocabulary and grammar, and requires practice. Daily **oral** (*speaking and listening*) and **written** (*reading and writing*) exercises provide students with the opportunity to use what they have learned in real life situations. Early emphasis on pronunciation enables students to pronounce new words on sight. **Connections** to English provide students with a better understanding of the English language, in both grammar and vocabulary, and raise student awareness of the patterns among language systems. **Culture** studies throughout the year of France, Canada, and the United States, including the Franco-American **communities** in Maine, allow students to make **comparisons**, but also raise awareness of cultures and enhance appreciation of multiculturalism.

French II

1 credit

Prerequisite: French I

Grades 10-12

Second -year French students will continue to develop the essential skills for *communication*, building on the material learned in French I. Early emphasis on verb structures and descriptions enable students to express themselves in a wider variety of ways, in both oral and written language. Extensive work regarding the house, tourist attractions, directions, food and daily activities, prepares students for basic survival in any French-speaking country or *community*. Daily oral and written exercises continue to provide students with the opportunity to use what they have learned in real life situations. Students begin to read French texts and write compositions in French. More *connections* to the English language contribute to student awareness of their own language, as well as the patterns among the language systems. More in depth *culture* studies of France and other French-speaking countries expand cultural *comparisons* and student awareness of the interconnectedness of cultures and appreciation of multiculturalism. Students at this level may begin to work with children at the South Hiram Elementary School and/or Sacopee Valley Middle School, discovering how to teach what they have learned.

French III

1 credit

Prerequisite: French II

Grades 11-12

The French III class is conducted entirely in French, allowing students to apply the basic survival skills learned in the first two years. Students learn to *communicate* orally on a daily basis, discussing their lives in verbal and written forms, with grammatical emphasis on the past tense. Continued studies of descriptive phrases and slang allow students to more accurately express themselves. Students read short stories and articles, and write more extensive compositions. Expanded vocabulary related to French cuisine, automobiles and driving provide students with more opportunities for cultural *comparisons* and *connections*, as well as further access to French-speaking *communities* around the world. Through research, students learn more about the *culture* of France through its history, regions and connections to other European countries and other parts of the world. Students may have the opportunity to share what they have learned with children at South Hiram Elementary School using a variety of learning activities.

French IV

1 credit

Prerequisite: French III

Grade 12

The fourth-year French class continues to be conducted entirely in French, further developing students oral *communication* skills. The course varies yearly to fit the interests and meet the needs of

students. Students complete their study of French grammar, including all regularly used verb tenses, and are able to engage in more in depth discussions and to write more in depth compositions, improving *written communication* skills. Students expand their reading skills by reading plays, poems, newspaper articles, magazines, novels and/or literary selections from the Middle Ages to the present, and are able to make cultural *comparisons* and *connections* with French-speaking *communities* around the world. Fourth-year French students will also study more of the history, government, and/or the arts of French and/or other French-speaking countries, further enhancing their understanding of the interconnectedness of *cultures* and appreciation of multiculturalism. Students at this level are encouraged to take the National French Exam, sponsored by the American Association of Teachers of French. Opportunities exist for students to work with children at the South Hiram Elementary School and/or Sacopee Valley Middle School.

AP French

1 credit

Prerequisite: French IV

Grade 12

The AP French class continues to be conducted entirely in French, and is the equivalent of a third year college course. The thematic course content is adapted on a yearly basis to fit the interests and meet the needs of the students enrolled in the class, as well as the requirements for the AP Exam. Students at this level have completed their study of French grammar and are now reviewing and reinforcing grammatical knowledge. AP students are expected to speak French in class at all times, building vocabulary as well as circumlocution strategies. Students increase their listening, speaking, reading and writing skills, and practice using these skills in a variety of activities and disciplines. Students further develop their oral *communication* and presentation skills through monthly presentations on topics of their choice. Students improve their written *communication* skills by writing more in-depth compositions, including defending opinions regarding various topics. Students expand their reading skills by reading plays, poems, newspaper articles, magazines, novels and/or literary selections from the Middle Ages to the present. More in-depth *culture* studies of francophone countries and *communities* expand cultural *connections* and *comparisons* and continue to raise student awareness of the interconnectedness of cultures and an appreciation of multiculturalism. Students at this level are encouraged to take the SAT II in French in November (includes listening section) and are expected to take both the National French Exam, sponsored by the American Association of Teachers of French in March, and the AP French Exam in May, sponsored by the College Board. Opportunities exist

for students to work more regularly with children at the South Hiram Elementary School and/or Sacopee Valley Middle School.

English for Speakers of Other Lang. 1 credit

Prerequisite: Instructor Decision Grades 9-12

This course is open to beginning through advanced intermediate bilingual students who are developing English Language Skills (proficiency levels 1 - 5.9). Students will have individual goals based on their level of language proficiency. They will study the domains of speaking, listening, reading and writing for survival and in the academic setting. In addition the course explores American culture and the English language literary heritage. This course may be repeated at different levels of English language proficiency. Permission of instructor is required to enroll in this course.

Career Preparation

Virtual High School (VHS) 1 credit

Prerequisite: Application Grades 9-12

The VHS Collaborative www.thevhscollaborative.org is an online program that provides students with an opportunity to take a wide variety of courses in the following subject areas: Business, Foreign Languages, Math, Science, Language Arts, and Technology. These subject areas include courses in Advanced Placement, Pre-Advanced Placement, Honors, and electives.

VHS Advanced Placement 2 credits

Prerequisite: Application Grades 9-12

All Advanced Placement courses run for two semesters with two credits being awarded upon successful completion, as well as a weighted formula being applied to the final grade. Students who take an Advanced Placement course through VHS are required to take the Advanced Placement test. There is the potential for a local Advanced Placement scholarship to cover the cost of the Advanced Placement test upon successful application. Many colleges grant college credit based on Advanced Placement scores.

Journalism/Yearbook 1 credit

Prerequisite: None Grades 11-12

This class will focus on the multi-faceted profession of journalism. Students will actively participate in discussing the responsibility of a journalist as well as writing articles for the school newspaper. Your responsibilities may include perfecting the opinion article, or being responsible for reporting on Sacopee Sports. Students taking this class should have a strong interest in both writing and the school community. The goal of this class will be to work as a team to both revamp the school newspaper and create the school yearbook.

Introduction to Technology 1 credit

Prerequisite: None Grades 9-12

This is an introductory hands-on course designed to expose students to various problem-solving challenges using a wide variety of technologies. Students will learn the safe use of hand and machine tools. Principles of designing, planning, fabrication, finishing, and distribution will be studied as part of the process of learning how industries function. Technological Learning Activities will be explored

using drafting, mass production, energy and transportation, wood and metalworking, and a variety of related areas. Completion of this course will qualify students for all other technology education electives.

Welding I 1 credit

Prerequisite: Intro to Tech. Grades 10-12

This is a hands-on course designed to expose students to a variety of welding applications used by industry today. Students will weld using gas torches, arc mig, and tig welding equipment. Students will adhere to all safety regulations and precautions when using various welding techniques. Cutting torches and a plasma cutter will be used to prepare metal for welding. Monthly trips to SMCC's Welding program will provide expert industrial instruction and training for each student performing various welds. Students will acquire and apply skills/concepts required to balance personal, family, community and work responsibilities.

Welding II 1 credit

Prerequisite: Welding I with SMCC credit

Grades 11-12

This course is designed to further students welding skills obtained in Welding Level 1. This course will expose students to a variety of welding applications used by industry today. Students will adhere to all safety regulations and precautions when using various welding techniques. Cutting torches and a plasma cutter will be used to prepare metal for welding. Monthly trips to SMCC's Welding program will provide expert industrial instruction and training for each student performing various welds.

Welding III 1 credit

Prerequisite: Welding II with SMCC credit

Grade 12

This course is designed to further students welding skills obtained in Welding Level 1 and 2. This course will expose students to a variety of welding applications used by industry today. Students will weld using gas torches, arc mig, and tig welding equipment. Students will adhere to all safety regulations and precautions when using various welding techniques. Cutting torches and a plasma cutter will be used to prepare metal for welding. Previous welding and fabrication skills will be expanded in this course. Monthly trips to SMCC's Welding program will provide expert industrial instruction and training for each student performing various welds. Students will have an opportunity to complete a third welding college credit from the SMCC.

AutoCADD**Prerequisite:** Algebra I**1 credit
Grades 10-12**

This course will serve as an introduction to the field of computer aided drafting and design (CADD). The students will work extensively on computers to produce many mechanical, architectural, and individualized drawings using AutoCADD 2000 software and printers as they are used in industry. This course is highly recommended for any student planning to attend a technical college or enter an engineering field.

Video Production**Prerequisite:** None**1 credit
Grades 9-12**

In this introductory course to the art of video making, students will learn all aspects of producing video projects. We will cover both the technical requirements of making a video as well as explore the short story and video communication. In this class, students will work in teams as well as individually on exciting video projects. Video production students must master this course and the skills associated with this course in order to move on to TV2 production. This is a project-based class. If you can see yourself working as a team, coming up with narratives, and filming and editing short films this is the class for you.

TV2 Production**Prerequisite:** Video Production**1 credit
Grades 10-12**

This course is designed to give students the opportunity to master their video production skills and incorporate other abilities into creating mid-grade to professional grade video segments for broadcast on TV2, such as news shows, documentaries, sports coverage, community and nature explorations, and entertainment specials. The goal of all programming is to provide a communication link between the schools, community, sports programs, and citizens of each town. Work time outside of the class is required. Students will be paid for their time video recording segments and will work as official TV2 personalities.

Computer Programming**Prerequisite:** None**1 credit
Grades 9-12**

This class is an introduction to the world of computers. Not only will we learn to program in more than one computer language, but also we will use canned programs. These canned or application programs will include spreadsheet, painting, web design, and animating. During the course year, we will see many applications of computers in our everyday life.

Junior ROTC**Prerequisite:** None**1 credit
Grades 9-12**

The mission of the Junior Reserve Officer Training Corps program is to motivate young men and women become better students, productive members of their community, and above all, better citizens. The program emphasizes character education, leadership, communication, diversity, personal skill development, citizenship, history, physical fitness, substance abuse education, and teamwork. Extracurricular activities include Drill Team, Color Guard, Raider Team (orienteeing), Marksmanship Team, Academic Team, Leadership Team, and Summer Camp.

The Real World**Prerequisite:** None**½ credit
Grades 11-12**

It's time to move out of your parents' house; you can't live there forever. If you want to go out on your own, this class is for you. In this course, you will learn how to buy or rent a home, get a job, balance a checkbook, buy a vehicle, obtain insurance, and use credit wisely. You will learn to navigate the basics of the kitchen, as well as an automobile, along with other practical skills that go with being on your own. If your future plans involve independent living, you should take this class.

Personal Finances**Prerequisite:** None**½ credit
Grades 10-12**

This course will educate high school students about sound money management skills and the financial planning process, and help teens begin to develop positive behaviors that are necessary to attaining financial maturity and achieving a secure future. The course is sponsored by The National Endowment for Financial Education (NEFE) and other institutions. Students will learn about the financial planning process, budgets, balancing checking and credit accounts, responsibility of credit, the importance of planning a secure financial future, and how to achieve this. We will show students different methods to help finance college and apply for FAFSA loans.

Middle School/Elem. School Mentor**Prerequisite:** None**0 credit
Grade 12**

This mentorship allows seniors to help elementary and middle school students on their academic and social growth. It does not provide a credit for seniors but it is worth community service hours. Space may be limited based on student and teacher requests.

SMCC Introduction to Sociology 1 credit

Prerequisite: GPA of a B or better Grade 11-12

Introduction to Sociology presents fundamental concepts and theories covering many areas of contemporary sociology. This course analyzes the influence of social and cultural factors upon human behavior in the areas of culture, socialization, groups, deviance, sexuality, stratification, race, gender, economics, family, religion, and the environment. Social dynamics and social institutions will be explored, coupled with the ever-present issues of social change and the impact of these changes on society and the individual.

This course is weighted and worth 3 college credits.

Paperwork needs to be completed in the guidance office.

SMCC Introduction to Psychology 1 credit

Prerequisite: GPA of a B or better Grade 11-12

This course is designed to provide a broad overview of the field of Psychology. Special attention will be given to helping the student become a better thinker, by learning to take charge of ideas one has about psychology. The goal of this course is to think consciously, deliberately and skillfully about human behavior. Topics such as physiological psychology, perception, learning, cognition, emotions, health psychology, psychological disorders, as well as others are included.

This course is weighted and worth 3 college credits.

Paperwork needs to be completed in the guidance office.

Lake Region Vocational Program

Lake Region programs are open to 11th and 12th grade students. Students who choose to attend Lake Region Vocational Center may fulfill some of their core course requirements through successful completion of their vocational program.

Automotive Technology I **4 credits** **Prerequisite: None** **Grade 11**

The program concentrates on the "mechanical" phase of the course covering shop orientation and safety, steering and suspension systems, two and four wheel alignment, conventional and anti-lock brake systems, drive train, and engine diagnosis and rebuilding. All instruction and curriculum are derived from ASE, state, and industry standards.

Automotive Technology II **4 credits** **Prerequisite: Auto Tech I** **Grade 12**

Learning is centered on the more technical including basic electricity, starting and charging systems tune-up, fuel systems, emission control systems, computer controls, drivability diagnosis, and troubleshooting techniques. Seniors will participate in the Skills USA and Ford/AAA competitions, as well as take their State of Maine Inspection License exam given on site by the Maine State Police.

Business Office Technology I & II **4 credits** **Prerequisite: None** **Grades 11-12**

Business Office Technology is a hands-on lab, using state-of-the-art business equipment that acquaints the student with the business office environment. The student will develop and refine skills in written and verbal communications, computer, Internet, and other business machines applications. Stress will be put on business management, organization skills, critical thinking, human relations, business ethics, and team building.

Construction Technology I **4 credits** **Prerequisite: None** **Grade 11**

The program consists of development of tool and machine skills and the basic fundamentals of

construction with emphasis on energy efficient building techniques. Practical application will be done generally on in-shop projects. Math applications will be used to develop material lists, measuring, estimates, etc., while building strong work ethic by working in teams.

Construction Technology II **4 credits** **Prerequisite: Construction I** **Grade 12**

Students will be involved in the construction of structures in and out of the shop or on an actual building site, many of which are community projects. Students will have opportunities to specialize in finish work projects such as cabinet and stair construction. This program will lead directly to employment, post-secondary education, or training.

Culinary Arts I **4 credits** **Prerequisite: None** **Grade 11**

This course will provide basic entry-level skills and preparation techniques utilized in the food service industry. The first year program will introduce the student to: baking, menu planning, intro to table service, kitchen safety and sanitation, knife skills, classical/modern ethnic cooking, cake decorating, portion control/food costs, vegetable side dishes, weights and measurements, cakes, pies, and tarts.

Culinary Arts II **4 credits** **Prerequisite: Culinary Arts I** **Grade 12**

The second year will emphasize food production, ethnic cuisine, culinary presentation, teamwork, menu planning/design, and food service operations. Students will operate and manage a restaurant and catering company. Lab work includes the advanced food preparation including: grand sauces and soups, banquet/institutional/a la carte foods, advanced cooking methods, breakfast cooking, specialty salads and dressings, advanced table service, advanced pastries/ice creams, garde-manger, serve safe certification, sandwiches, and pizzas.

Diversified Occupations I **3 credits** **Prerequisite: None** **Grades 9-10**

The Diversified Occupations Program is designed to prepare students to enter competitive employment upon graduation. During grades 9 and 10, all students receive instruction in the five core curriculum areas of food service, retail occupations, worker orientation, production, and horticulture. Additionally, staff and students participate in supervised crew work within the school and community. To best meet individual needs and abilities, students will be placed on training apprenticeships with local employers.

Diversified Occupations II**3 credits****Prerequisite: None****Grade 11-12**

During the 11th and 12th grade years, the program focuses on the development of those skills necessary for competitive employment after graduation. Students participate in both paid and unpaid work placements in the community, which develop employment skills, work attitudes, and behaviors necessary to find and maintain paid job placements. Supportive services to employer and employee are provided on the job or within the classroom setting. Work agreements between the school, students, parents, and employer, on-site job supervision, and quarterly evaluations serve to provide accountability to all parties.

Diversified Occ. Math I & II**1 credit****Prerequisite: None****Grades 9-10**

All students in the Diversified Occupations Program will be enrolled in an individualized math program. This program will be based on an informal assessment (pre-test) in order to provide an appropriate program for each student. The standards-based curriculum will include the use of textbooks, teacher-made packets and tests, and comprehensive multi-media academic software.

Law Enforcement I**4 credits****Prerequisite: None****Grades 11-12**

The Law Enforcement I Program is designed to provide students with the opportunity to learn and understand the functions and operations of local, federal, and state law enforcement agencies. Students will gain knowledge about how prosecution, corrections, and enforcement collaborate to accomplish the pursuit of justice within the American criminal justice system. Program competencies include: accident investigation, constitutional law, criminal law, courtroom testimony, crisis intervention, drug enforcement, firearms, first aid, forensic science, interview and interrogation, military drill, physical fitness, report writing, self-defense, traffic enforcement and impaired driving enforcement.

Law Enforcement II**4 credits****Prerequisite: Law I****Grades 11-12**

In the Law Enforcement II Program, students learn how to complete a job application, create a resume, and participate in an oral board interview. Student learning is reinforced through field trips to colleges, courts, jails, crime lab, and the police academy. The goal of the program is to enhance employability for motivated students interested in a future career in law enforcement. Second year students are provided with opportunities to job shadow and ride along with area law enforcement agencies. Upon successful

completion of the program, students have the opportunity to earn high school academic credit as well as college level credit through articulation agreements with regional institutions.

Business Management I & II**4 credits****Prerequisite: None****Grades 11-12**

The Business Management Program prepares learners for careers in planning, organizing, directing and evaluation, business functions essential to efficient and productive business operations. Using computer based simulation and management practices, you will develop a foundation for strategic management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Arch. Drafting I**4 credits****Prerequisite: None****Grade 11**

The student develops basic drawing skills on the drafting boards as well as on the computers utilizing the AutoCAD, Inventor, and VIZ software. The focus of this course is primarily technical drafting which includes the following topics: Geometric Construction, Solid modeling, Orthographic views, Threads & fasteners, Pictorials, Gears & cams, Dimensioning, Assembly drawings, Sectioning, Tolerances, Auxiliary Views, Geometric Tolerances, 3-Dimensional Drawing, and Technical Illustration.

Arch. Drafting II**4 credits****Prerequisite: Arch. Drafting I****Grade 12**

The student continues to develop drafting skills and applies them to more complicated drawings on the drafting boards, as well as on the computers utilizing the AutoCAD and architectural desktop software. Students work on individual and group projects, thus developing cooperation skills, communication skills, and overall "people" skills. The focus of this course is primarily architectural drafting, including all related areas necessary to provide a complete set of working drawings. Students are involved with appropriate "live job" experience when available. All students prepare a portfolio.

Health Occupations**4 credits****Prerequisite: None****Grades 11-12**

This program offers a diversified selection of topics and provides the knowledge base for Health Occupations with a focus on the Certified Nurses Assistant curriculum. Anyone wishing to explore the health or medical fields should sign up for CNA. Sitting for the state CNA exam and earning certification is the ultimate goal. This course focuses on the legal/ethical aspects of health care, safety/fire

prevention, job maintenance skills, communication with the patient, caring for the patient's personal wellness, observation, reporting, documentation, introduction to anatomy and physiology, CPR training, and care of patients.

Co-operative Education **4 credits**

Prerequisite: Application **Grades 11-12**

The student will work on-the-job learning a new trade, earn credit toward a high school diploma, earn college credit, and be paid for the experience. Skilled craft workers at a licensed apprentice site do the training on-the-job. Each student and worksite is coordinated on an individual basis. Occupations a student may choose from include: auto mechanic, child-care worker, plumber, and boat builder.

Emergency Medical Technician **4 credits**

Prerequisite: Application **Grades 11-12**

The Emergency Medical Technician Program at Lake Region Vocational Center follows educational standards adopted by the National Registry of Emergency Medical Technicians. It is designed to train students to the level of Emergency Medical Technician-Basic, a vital link in the chain of the pre-hospital health care team. It is recognized that training at all levels of the pre-hospital health care team is necessary for effective patient care. It is also recognized that Emergency Medical Technicians will provide the majority of pre-hospital emergency care. This includes all skills necessary for the individual to provide emergency or supportive medical care at the

basic life support level with an ambulance service or other specialized rescue service. The successful graduate of this course may be eligible to take the written national exam to obtain an EMT license within any state. In addition, students must successfully pass the practical exam offered through the United Ambulance Service Training Center, which follows the Maine Emergency Medical Services (MEMS) testing procedures. Entry into the program requires the student to be at least 16 years of age with parent/guardian permission.

Fire Science I **4 credits**

Prerequisite: Application **Grades 11-12**

The Fire Science program will expose students to all aspects of Fire Service, both call and career departments. The students will have both classroom assignments as well as practical, hands-on exercises. The student firefighter will be working on personal skills, as well as working in teams and companies, during the field exercises. The classroom and practical will be supported by field trips (i.e. Regional Communications Center, Fire Museum, local departments, local businesses, etc.) to reinforce the materials learned. The instructors will provide real world information throughout lecture and demonstrations. Upon successful completion of End Tests through Maine Fire Service Institute, the student will become certified as Firefighter I & II based upon the Standards for Firefighter Professional Qualifications, NFPA, 1001.