

Lawrence High School

Program of Studies



2023-24

Principal's Message

The Lawrence High School Program of Studies is designed to assist you and your parents in selecting courses geared toward your future aspirations, be that college or career ready upon graduation. In addition to course descriptions, you will find many other helpful resources including:

- Lawrence High School's Vision Statement and Expectations
- Graduation requirements
- College guidelines
- Career and subject pathways
- Information about extended courses of study such as:
 - Mid-Maine Technical Center
 - Concurrent enrollment courses both at LHS and on college campuses.

Because choosing classes is a very important process, we consider teachers' recommendations and request parent/guardian approval. The classes chosen will help build the foundation for a student's post-secondary plans, whether it is future employment goals or higher education. Please consult with your teachers and guidance counselor. We hope the course selection process will create ongoing dialogue between parents/guardians and their sons/daughters.

Our Guidance staff is available to both students and parents/guardians during the selection process to help you make informed choices. The goal is to ensure that students acquire the knowledge and skills that are deemed to be essential to success in school, higher education, careers and adult life. If you have any questions regarding the Program of Studies or selecting classes, please feel free to contact your guidance counselor at 453-4200 ext. 2255.

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VISION STATEMENT CORE VALUES & BELIEFS

21st Century Learning Expectations

Vision Statement:

Lawrence High School is a safe and collaborative learning environment where all are challenged, assume responsibility, persevere, and value the pursuit of growth and knowledge. We take pride in respecting and caring for all aspects of our school community.

Core Values & Beliefs:

Lawrence High School is committed to developing a well-rounded school community by fostering the following:

- Respect for self, others, materials, and space
- Motivation to persevere through challenge
- Responsibility for self
- Lifelong Learning

21st Century Learning Expectations:

Lawrence High School students will graduate with the skills to be:

Academic: Clear and effective communicators

Integrative and informed thinkers

Self-directed lifelong learners

Creative and practical problem solvers

Social: Responsible for their decisions, belongings, and actions

Ethical in their use of technology

Civic: Responsible and involved citizens

Respectful of school and community

GENERAL POLICIES

Attendance Requirements:

Be mindful that there is a School Board Attendance Policy at LHS. Absences beyond those outlined in the student handbook could cause credits to not be awarded. See your student handbook for specific details.

Early Graduation (reference Policy IKFA):

Students who meet graduation requirements and who have the support of their parents or guardian may request consideration of early graduation. **A conference in which at least the student, a parent or guardian, the student's counselor and an administrator must take place prior to October 1st of the third year of high school. See your counselor to begin this process.** An early graduate will be allowed to participate in all scholarships and other privileges associated with graduation, the **exception being the top four honor parts**. Three-year graduates will be advised of this exception, with special recognition given to early graduates who have achieved averages that qualify for honor parts.

Add/Drop Procedures:

Any scheduling changes should be made in the spring/summer before the next school year begins.

Semester Course: The add/drop period begins on the first student day and ends after the first ten days of the quarter for a semester course.

Quarter Course: The add/drop period begins on the first student day and ends after the first five days of the quarter for a quarter course.

Any schedule changes after the add/drop period will require written permission from the parent and administrator approval.

Transcripts:

Every graduating senior will receive a transcript of his/her complete high school record. Seniors requesting transcripts be sent to employers and postsecondary educational institutions will require student and parental written permission. Upon request, Lawrence High School will report for any student, who has authorized the release of such information, both the weighted and unweighted grade point averages (GPA) and class rank to any post-secondary institution that requests such information.

Weighted Grades for High School Courses:

Any student who enrolls in and successfully completes an advanced placement, honors or college class will receive a weighted grade for the course. The grade in the course will be multiplied by a **weighting factor of 1.2** for advanced placement courses and will be multiplied by a **weighting factor of 1.15** for (LHS) honors, dual enrollment and external college classes.

Policy on Honor Parts:

In order for a student to be considered for an honor part at Lawrence High School, a student must have been enrolled in and successfully completed a core curriculum of at least 16 academic courses (18.5 for the class of 2023, 19 for the class of 2024 and beyond). For the purposes of meeting the core-curriculum requirement, a “core course” is defined as a recognized academic course. Courses that are taught at a level below the regular academic instructional level (e.g. remedial, special education or compensatory) cannot be considered core courses.

Core coursework defined: English includes instruction in grammar, vocabulary development, composition, literature, analytical reading, or oral communication. Mathematics includes algebra, geometry, pre-calculus, statistics or calculus. Social science includes history, social science, economics, geography or government. Natural or physical science includes 1 credit of laboratory science. Other courses are physical science, biology, chemistry, physics. Students must complete the required fine arts courses along with three additional courses from the above core courses.

GRADUATION REQUIREMENTS

This booklet has been prepared to aid students and parents in the selection of courses. The courses a student chooses can have a great impact on both vocational and educational plans. Programs can be flexible enough to meet various educational goals. We urge you and your parents to read and become familiar with the material in this book. Your program should be carefully selected only after considering the following factors: A. Your individual abilities, B. Your interests, C. Your vocational plans after high school, and D. The entrance requirements of post-secondary schools.

In order to graduate from Lawrence High School, a student must earn a minimum number of credits as noted below. Students will take a **minimum** of 8 credits per year, 4 courses each quarter. Because students will have the ability to earn 10 credits per year, the graduation requirements will be adjusted higher until the class of 2025. The following are minimum requirements for each graduating class:

Graduating Class of 2023-2024 (2024):

ENGLISH:	4 Credits
SOCIAL STUDIES:	4 Credits (1 credit Civics, 2 credits U.S. History and ½ credit of Personal Finance)
MATH:	4 Credits
SCIENCE:	4 Credits (1 credit Biology)
FINE ARTS:	1 ½ Credits
HEALTH:	½ Credit
PHYSICAL EDUCATION:	1 Credit
ELECTIVES	8 Credits

TOTAL CREDITS NEEDED: 27

Graduating Class of 2024-2025 (2025) and beyond:

ENGLISH:	4 Credits
SOCIAL STUDIES:	4 Credits (1 credit Civics, 2 credits U.S. History and ½ credit of Personal Finance)
MATH:	4 Credits
SCIENCE:	4 Credits (1 credit Biology)
FINE ARTS:	1 ½ Credits
HEALTH:	½ Credit
PHYSICAL EDUCATION:	1 Credit
ELECTIVES	11 Credits

TOTAL CREDITS NEEDED: 30

Electives are courses that are not required but are selected by students based upon interest or college entrance requirements. **A senior math class is highly recommended.**

****Students anticipating attending a 4 year college program** after high school will need to complete the following courses to meet the admissions requirements for most 4 year colleges:

- 4 Credits in English, Algebra 1, Algebra 2, Geometry,
- 2 Laboratory Sciences including Biology (typically the 9th grade science is not counted)
Engineering majors may need to have Pre-Calculus on their high school transcript in order to be admitted into some programs. Students interested in a Post Secondary Science, Math or Engineering Program, should take Chemistry.
- 2 History credits and 2 credits in a foreign language.

Early Completion and Early Graduation

Highly motivated students can complete their graduation requirements in three years and petition the Principal to graduate early with the Senior Class during their Junior year. ***If you are planning on completing high school a year early, you must submit a letter of intent to the Principal with your parent's approval by October 1 of your Junior year (Policy IKFA).*** This requires careful planning from the onset of your high school years. Please discuss and plan with your school counselor at the start of your Freshman year.

Seniors who are looking to finish their graduation requirements in the first semester of their Senior year and “graduate” early actually would be finishing up their course work and taking the second semester off, with approval from the Principal and parental support. Seniors would end their course work, but would be responsible for getting all end of year commencement announcements and things in order if they plan on participating in graduation ceremonies. Seniors who do this are not eligible for co-curricular and extracurricular activities because they would no longer be considered a full-time student. Please consider this when making your plans. ***Seniors wishing to do this must submit their Mid-Year ‘Early’ Graduation Agreement form (obtainable from Guidance) to the Principal by October 1 of their Senior year.***

Lawrence High School only holds one graduation ceremony at the end of the year in June. Therefore, Seniors who graduate early, won't receive their diplomas until graduation in June. If they choose not to participate in graduation ceremonies, they will be able to pick up their diploma the day or week following graduation. Diplomas will not be mailed.

Course Levels

Honors: Honors courses are in-depth studies in topic areas that emphasize language or mathematics to investigate, analyze, interpret and communicate information. Significant reading, writing, and laboratory experiences are designed specifically for college bound students who expect a demanding, intense course experience.

A Level - College Preparatory: These courses are designed for students who are academically motivated and who have an above average command of mathematics, communication and critical thinking skills. Integration of technology and scientific investigation and/or significant reading and writing are standard aspects of the curriculum.

B Level - Progressive College Preparatory: These courses are designed for students who have an interest in and intend to apply to college. Students in these classes continue their development of communication and critical thinking skills. Integration of technology and scientific investigation and/or significant reading and writing are standard aspects of the curriculum.

C Level - Developmental: These courses are designed to develop skills in reading, writing, oral presentation and research. Students explore career and life skills by way of hands on activities and discussions.

Advanced Placement (AP): <http://www.collegeboard.com/student/testing/ap/about.html>

Through college-level AP courses and AP Exams, you have the opportunity to earn credit or advanced standing at most of the nation's colleges and universities. The only requirements are a strong curiosity about the subject you plan to study and the willingness to work hard. Here are a few reasons to sign up:

- Gain the Edge in College Preparation
- Stand Out in the College Admissions Process
- Broaden Your Intellectual Horizons

Individual colleges and universities, not the College Board or the AP Program, grant course credit and placement. You can find this information in the college catalogue, on their Website, or visit College Board's AP Credit Policy Info search at <https://apstudent.collegeboard.org/creditandplacement>.

For more information about AP classes, please contact an AP teacher or your guidance counselor. Additional information is available online at: <http://apcentral.collegeboard.com/>

Dual Enrollment:

High School students in grades 11 and 12 may qualify to take courses that offer college credits along with the high school credit. Dual enrollment is offered through courses at Lawrence High School and off-site at local colleges.

Individual colleges and universities grant course credit and placement. Because it varies from college to college, you should contact the college admission offices to obtain information regarding their policy. Many courses at Mid-Maine Technical Center also offer dual enrollment opportunities. If you are interested in taking challenging courses that will offer college and high school credits, contact your guidance counselor to discuss your options.

The University of Maine System has Early College Pathways options. For more information please visit [UMaine System Early College Pathways](#) or [UMaine Machias Early College Pathways](#)

College Level Examination Program (CLEP) Tests

CLEP is a Collegeboard program that allows students to earn college credits by passing an exam. Modern States Education Alliance is a nonprofit organization partnering with edX (online learning platform founded by Harvard and MIT) to provide more than 30 courses to prepare students to take and pass CLEP tests. Each course includes online lectures, quizzes, tests and other features. Textbooks and materials will be provided online, free of charge. If you are interested in this opportunity you can visit their website at [Modern States Course Catalog](http://modernstates.org/about-us/who-we-are/) or <https://modernstates.org/about-us/who-we-are/>

PLANNING FOR COLLEGE: Parent/Student Timeline

“Envision in your mind what you expect from life; focus on your plan....” Mark Boyer

There are numerous steps that parents and students should take to prepare for life after high school. The lists below are divided by grade in high school. Please utilize the guidance department to help with any of the steps listed. Our goal is to ensure that all graduates leave Lawrence High School with a plan for the future and the skills to implement that plan. Please read through the information below to gain a big picture of programs offered over the four years in high school.

Freshman Year:

- Meet with your guidance counselor to discuss your post-secondary plans. Your course of studies will be tailored to prepare you to reach your goals.
- Become involved with the school community in some fashion. Clubs, groups and teams are an important part of high school. Being involved offers opportunities to meet new people and to develop leadership skills.
- Talk with your teachers. They are always willing to help you with your academic needs and they want students to be successful.
- Explore career and college options by talking with teachers, family and friends. The more you know about different jobs and opportunities, the easier it will be for you to make decisions about your own goals.
- Consider starting a volunteer job in the community.
- Work hard in classes that are challenging for you. Be aware of how the courses are weighted and take honors classes if you can.

Sophomore Year:

- ❖ You will have a full week of career and college exploration activities in your English class.
- ❖ Stay involved with school and/or community activities. Assume more responsibilities to develop your leadership skills.
- ❖ Plan to take the PSAT as a practice for the SAT college admission test. The PSAT will also help in preparing for other college admission tests. If you are a top student and want to qualify for the National Merit Scholarship, you must take the PSAT your Junior year.
- ❖ Career exploration can include job shadowing to help you understand different types of jobs. Students can visit the worksite of friends or family as a school supported activity.
- ❖ Discuss Advanced Placement opportunities with your guidance counselor.
- ❖ Work hard in classes that are challenging. It is better to earn a lower grade in a higher level class than to earn a high grade in a lower level class in terms of preparing for college admission.
- ❖ Visit Mid-Maine Technical Center to determine if you want to take classes there starting your junior year. A field trip to MMTC is arranged for all sophomores who are interested in exploring courses there.

Junior Year:

- Academics continue to be very important in your junior year. Take classes that are challenging and always remember that the classes are preparing you to be admitted to a post-secondary program and to be successful once you are there.
- The guidance counselors will present a tutorial on college search, application, scholarship and financial aid during your junior year. However, exploring colleges on your own is strongly recommended.
- Take the PSAT again. The high school arranges for students to take this test to help prepare for upcoming college admissions tests. In the 11th grade, the PSAT is also the National Merit Scholarship Qualifying Test. Doing well may offer you a prestigious award and scholarship opportunities.
- Meet with your guidance counselor to review your goals and your high school courses. This helps ensure that you are on track to meet your goals.
- Explore Internet sources to develop a list of colleges to visit and plan as many visits as you can. These are considered school field trips and are an important part of the college application process. Big Future, a Collegeboard webpage, is a useful search tool.
- If you are an athlete planning to play in college, Division I or II, or III you are required to register with the NCAA Clearinghouse at <http://www.ncaa.org/student-athletes>
- If you are interested in a service academy, you must begin the process during this year.
- A college fair will take place in May and juniors are invited to participate.
- Determine if the colleges you are interested in require the **SAT or ACT**. Plan to take the test in May or June of your junior year. If you are a top student and want the opportunity to qualify for a national merit scholarship, you would need to take the PSAT your Junior year.
- Go to college open houses and college visits during the summer.
- Work or do volunteer work in the community, if you can.
- Continue to participate in groups, clubs and/or sports and develop leadership skills by taking on more responsibilities.

Senior Year

- ★ Schedule your senior interview with your guidance counselor. The senior interview goes over the college application process along with a review of how to find scholarship opportunities and financial aid resources. This is an individualized meeting that tells the counselor what needs to be done for you to support your application process. This meeting also helps to answer your questions about the steps you need to take.
- ★ Ask your teachers for recommendation letters.
- ★ Write your application essay and have it edited and ready to go as soon as you can. English teachers can help with this.
- ★ You may need to take the SAT test again or consider taking the ACT. Many colleges want to see more than one set of scores. Some colleges give merit scholarships based upon SAT scores. Doing well can be worth thousands of dollars towards college tuition costs.
- ★ Seniors will be invited to a college fair in the fall of their senior year. Participation can be useful as the college fair will have many college admission personnel available.

- ★ You are responsible for knowing college application deadline dates. Some deadlines are very early in your senior year. Many other colleges have deadlines on January 1 or January 15. We recommend that you plan to complete your college applications prior to the holiday break in December.
- ★ Attend informational sessions on financial aid. Don't be afraid to ask for help to get the financial aid paperwork done.
- ★ File the FAFSA (federal financial aid form) as soon after October 1 as possible.
- ★ Take the Accuplacer if it is required by the school you plan to attend.
- ★ Move into leadership roles in your groups, clubs or teams.
- ★ Many scholarship applications will be available via the guidance office during your senior year. It is the student's or their parent's responsibility to find appropriate scholarships and to apply for them. The guidance office publicizes the scholarships in the Junior/Senior bulletin which is posted online and anyone can obtain a paper copy from the guidance office. It is updated bi-weekly.
- ★ Parents are welcome to meet with guidance counselors and/or call with questions and request assistance at any time. If the guidance office cannot answer your question they can direct you to others who can help.

COURSE DESCRIPTIONS BY DEPARTMENT

ART

Art 1 Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
No Prerequisite. *This is a course geared for the beginning artist.*

Art 1 is an introductory course which allows the student to develop their art skills. Students will learn about the elements and principles of art and discover that these tools are the building blocks of all art forms. All art mediums are explored with intense focus on observational drawing, perspective and painting. It is a common misconception that students need to enter art classes as already established artists. They do not, they simply need to have an interest in learning a new form of communication and be willing to try the new skills being presented to them. Weekly sketchbook assignments will also be given.

Art 1 is a course where students learn about the studio habits of mind. Students will develop craft. They will learn to use tools and materials and the development of an art form.

Art 2 Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
Prerequisite: Art 1 - *This course is structured for the beginning artist.*

Art 2 is a course that builds upon the skills learned in Art 1. Art 2 begins to focus more on artists and their works. All mediums are explored, with intense focus on observational drawing, clay work and portraiture. Weekly sketchbook assignments will also be given.

Art 2 is a course where students learn about the studio habits of mind. Students will develop observation. They will learn to attend to visual, audible and written contexts more closely than ordinary 'looking' requires.

Art 3 Grades 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
Prerequisite: Art 2 - *This course is structured for the intermediate artist.*

Art 3 is a course that builds upon the skills learned in Art 2. Art 3 focuses on artists, art movements and major works. All mediums are explored with intense focus on observational drawing, printmaking and painting; which will include canvas stretching. Weekly sketchbook assignments will also be given.

Art 3 is a course where students learn about the studio habits of mind. Students will develop expression. They will learn to create works that convey an idea, feeling, or personal meaning.

Art 4 Grades 11, 12 1 Quarter 1/2 Credit Fine Arts
Prerequisite: Art 3 - *This course is structured for the advanced artist.*

Art 4 is a course that builds upon the skills and ideas learned in Art 3. Art 4 focuses on artists, art movements, major works and art critiques. All mediums are explored with intense focus on observational drawing, sculpture, pastels and painting. Weekly sketchbook assignments will also be given. A \$5.00 fee is required for course completion.

Art 4 is a course where students learn about the studio habits of mind. Students will develop reflection habits. They will learn to think and talk with others about one's work and the process of making it.

Ceramics Grades 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
Prerequisite: Art 2 or Sculpture 1 - *This course is structured for the advanced artist.*

Ceramics is an advanced topics class where students will dive (up to their elbows) in clay. Students will explore the three kinds of building; hand, slab and wheel. Students will also learn about artists and movements to support and inspire their personalized creations. Weekly sketchbook assignments will also be given.

Ceramics is a course where students learn about the studio habits of mind. Students will develop the ability to stretch and explore within the concentration of a singular medium. They will learn to reach beyond their limitations and learn from their own mistakes to move forward.

Sculpture 1 Grades 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
Prerequisite: Art 1 - *This course is structured for the intermediate artist.*

Sculpture is a course that builds upon the elements and principles of art learned in Art 1. In this course students will explore 3-dimensional mediums; earth clay, sculpting clay, papier-mâché, wire, plaster of paris and mixed media. This class is not geared for the 'drawer' but for the 'builder'. Weekly sketchbook assignments will also be given.

Sculpture 1 is a course where students learn about the studio habits of mind. Students will develop the ability to envision; learn to picture mentally what cannot be directly observed, heard or written and to imagine possible next steps in making a piece.

Sculpture 2 Grades 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
Prerequisite: Sculpture 1 - *This course is structured for the intermediate artist.*

Sculpture 2 is a class that builds upon the skills learned in Sculpture 1. Students will continue to explore materials, both traditional and unusual, while strengthening their problem solving abilities through new three dimensional concepts. As experienced in Sculpture 1, students will create a wide variety of works of all sizes and mediums, they will also learn about current sculptors and trending topics. Weekly sketchbook assignments will also be given.

Sculpture 2 is a course where students learn about the studio habits of mind. Students will develop the ability to stretch and explore. They will learn to reach beyond their limitations, to explore playfully and embrace the opportunity to learn from their mistakes and move forward.

American Art History Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
No Prerequisite. *This course is structured for the beginning artist.*

American Art History is an introductory course to the arts. This class is geared for students who enjoy

art, but lack confidence or skills to take a traditional art course. Students will learn about American art through a variety of topic activities, art projects and slideshows.

American Art History is a course where students learn about the studio habits of mind. Students will learn to understand the art world. They will learn about the history and practice of art forms.

Independent Art 1 Quarter 1/2 Credit Fine Arts
Prerequisite: With Permission - *This course is structured for the advanced artist.*

Students who have excelled in Art, may seek approval for an Independent Art Study. **Student approval is up to the instructor's discretion.** Students will be required to create goals which shows the direction they would like their Independent Study to take. Weekly sketchbook assignments will be required.

Independent Art is a course where students learn about the studio habits of mind. Students will develop reflection habits. They will learn to judge their own and other's works and processes in relation to the standards of the medium/s they selected to study.

Mixed Media Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Fine Arts
Prerequisite: None - *This course is structured for the beginning artist.*

For the student who loves to journal, write, scrapbook or doodle, this class introduces mixed media as an artistic topic. Students will discover what it means to create works with multiple layers while using a variety of mediums. The combinations are endless, but the basic idea is to combine and layer a wide variety of materials to create unique works. Traditional techniques found in drawing, painting, and printing will be the foundation for the addition of unusual materials like inks, specialty papers, pastes, and cardboard. Course topics include assemblage, collage, and bookmaking. Weekly sketchbook assignments will also be given.

ENGLISH

Honors English 9 1 Semester 1 Credit

This course is designed for the academically motivated student who is looking for a challenging English course to begin his or her high school career. Daily reading and writing outside of class is an expectation. Skills covered include fiction and nonfiction reading, learning the basics of literature analysis, writing a variety of different essays and preparing for future Honors/Advanced Placement (AP) classes.

English 9 1 Semester 1 Credit

In this introductory high school English course, students receive instruction on reading literature, reading informational texts, writing, speaking and listening, and language conventions. Students read various literary works, representing different authors, time periods, and themes. Students are expected

to actively participate in classroom discussions and prepare oral presentations. Language conventions, vocabulary, and literary devices are addressed through reading and writing. Skills covered include fiction and nonfiction reading, comparing print to other media, and writing narratives, informative essays, and creative works of their own.

Literacy 1 Semester 1 Elective Credit

This course is taken in the first semester. This course is designed for the student who has difficulty with the basic skills in reading and writing, usage and mechanics, and vocabulary and spelling. Students in this course read works of fiction and nonfiction. Students will receive intensive instruction in reading, writing, and standard English conventions. The main goal is for students to enjoy reading and to be able to engage in the processes of reading and writing independently to prepare them for an English 9 class during the second semester.

Honors English 10 1 Semester 1 Credit

This second honors course is a survey course of reading fiction and nonfiction, writing various genres, speaking and listening, and language conventions. It focuses on further developing analysis and writing skills necessary to be successful in future Advanced Placement and/or dual-enrollment courses. Daily reading and writing outside of class is an expectation.

English 10 1 Semester 1 Credit

Students receive instruction in reading literature, reading informational texts, writing, speaking and listening, and language conventions in this second year English course. Students read various literary works, representing a variety of authors, time periods, and themes. A career research unit helps students to identify possible career options.

English 11 1 Semester 1 Credit

This third-year survey class explores literature, poetry, historical nonfiction and research-based readings with an emphasis on argument and analysis writing. Students will receive instruction addressing reading literature, reading informational texts, writing, speaking and listening, and language conventions. In addition, the student is expected to read extensively, analyze articles, participate in class discussions, complete group projects, present individual presentations, conduct research, and write a research paper.

Advanced Placement English Language and Composition

Level: AP & Dual enrollment Grades 11, 12 Full Year 2 Credits

This course is for those students who wish to be challenged at a college level and enjoy reading nonfiction and writing. The big ideas of the course include the rhetorical situation, claims and evidence, reasoning and organization, and style. Students will read and analyze a variety of nonfiction literary texts. Writing analysis, argument, and synthesis essays are emphasized throughout this course.

Test preparation strategies and practice for the AP English Language and Composition exam are an integral part of this course.

ENG 101: College Composition, Dual Enrollment Grades 11, 12 1 Semester 1 Credit

This course is a dual enrollment course designed by Kennebec Valley Community College (KVCC) for those students who wish to be challenged at a college level in a semester class. The instructor of this course follows a syllabus approved by KVCC. This course focuses primarily on clear and concise written communication. Students read, research, analyze, and/or write for various purposes, including, but not limited to, narrative, informational, and argumentative writing. Upon successful completion of this course, students will receive community college credit to be applied directly to any of Maine's Community Colleges. Credit for this course may also be applied to participating universities as a transfer credit.

Advanced Placement Literature & Composition

Level: AP & dual enrollment Grade 12 Full Year 2 Credits

Prerequisite: College Composition or AP English Language & Composition with a C average or better

This course is for those students who wish to be challenged at a college level and enjoy high quality literature. A selection of fiction novels from various eras, as well as a Shakespearean play, provide students with a broad, yet in-depth, knowledge of the types of literature. A great deal of literary criticism and analysis regarding authors' styles is expected of the students, as well as sophisticated verbal and written communication about these texts. All reading and journaling is completed outside of class. Students are encouraged to take the College Board AP Literature Exam at the conclusion of this course. Most colleges offer university credit for successful completion of this exam.

ENG 121: Introduction to Literature Dual Enrollment Grade 12 1 Semester 1 Credit

Prerequisite: ENG101 College Composition or AP English Language & Composition with a C average or better

This course is a dual enrollment course designed by KVCC. The instructor of this course follows a syllabus approved by KVCC. This humanities course provides students with the opportunity for personal growth and an insight into social problems as revealed through literature. A selection of fiction novels from various eras, as well as a play, provides students with a broad, yet in-depth, knowledge of the types of literature. A great deal of literary criticism and analysis regarding authors' styles is expected of the students, as well as sophisticated verbal and written communication about these texts. All reading and journaling is completed outside of class.

English 12 1 Semester 1 Credit

Students receive instruction addressing reading literature, reading informational texts, writing, speaking and listening, and language conventions. Students in this fourth-year course read works of fiction and nonfiction, as well as a Shakespearean play. Students create a presentation to defend their

research position and analyze works of literature. In addition, students prepare and write a college application essay for submission to a college or university of their choice.

ENG 108: Technical Writing Dual Enrollment Grade 12 (Grade 11 with Instructor Permission)
1 Semester 1 Credit

This course challenges students to solve problems using words and images. The course stresses both the writing process and the writing situation consisting of purpose, audience, and context. By learning to assess the audience, students develop critical thinking skills and use these skills to guide the writing process in a variety of communication forms (e.g. resumes, emails, letters, memos, instructions, etc.) Students learn to gather and select information and to choose organizing and formatting strategies that result in clear written documents.

Independent Honors English Research Grade 12 Full Year 1 Credit

This course is designed for those students who wish to be challenged and are self-motivated. Students must be willing to adhere to due dates and schedule their work time independently. Students research a topic of interest under the mentorship of a faculty member. Students conduct a study or investigation to create a 4,000-5,000 word paper. Research and writing processes are documented. A student presentation using an appropriate medium to discuss their research, design, approach, and findings completes the research project. The audience includes the mentor, supervising teacher, and other audience members by invitation.

English Electives

American Folklore Grades 10, 11, 12 1 Quarter ½ Credit Elective

This course introduces students to the realm of folklore literature. Ancient folklore including the stories behind our American holidays, ancient fairy tales, nursery rhymes, and major customs are unit options. Eras in history involving cultural and folk heroes are discussed. Students read a variety of genres including novels, poems, songs, and short stories. A variety of writing activities and projects give students the opportunity to respond to readings and learnings.

British Literature Grades 11, 12 1 Quarter ½ Credit Elective

This course is a survey course in which students learn about the time periods in British history and the corresponding authors of those eras. Students read a variety of genres by British authors and respond to the readings with various written works and projects.

Creative Writing Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Elective

This course is designed to help the student learn to write in a way that interests both her/him and the reader. Using process writing the student becomes a more effective writer of both fiction and nonfiction. Students also read and respond to professional writing. Sharing of the student's own work and journal writing is integral to the course, as is creation of a personal portfolio. Use of computers for

word processing is required for all major papers; revision, editing, and general word processing skills are emphasized.

Children's Literature Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Elective

The primary focus of this course is acquainting students with children's literature. Students read and critique a variety of this genre for different ages (birth -12). Students also write and illustrate their own children's literature. Discussions focusing on the author's style and purpose for this genre is an integral part of this course. Students are expected to share their writings in class and with elementary school students.

Dystopian Literature Grades 10, 11, 12 Semester 1 Credit Elective

This course is designed to examine the theme of 'dystopian' literature: novels where the government portrays itself to the people as the seemingly perfect place to live, but in reality, everything about the world is terribly unpleasant and the people are controlled using a variety of methods. This course is reading intensive, and there will be much class discussion on the characters, conflicts, and underlying themes of the novels. MLA format will be utilized to write essays and students will be required to make class presentations.

Fantastical World of J.R.R. Tolkien Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Elective

This course focuses on the genre of fantasy, specifically the works by J.R.R. Tolkien. Reading focuses on the books Tolkien is known for, *The Hobbit* and *The Rings* trilogy, as well as lesser known works. Discussions, various written activities, and projects permit students to delve into the fantasy world.

Maine Authors Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Elective

This course is designed for students who wish to read works by Maine authors. Activities include critical and analytical reading of a variety of genres (poems, short stories, novels, and nonfiction) by various Maine authors, various written responses to these written texts, and individual and group projects. If you would like to learn more about the history of Maine through its writings, this course is for you.

Public Speaking Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Elective

Would you like to be able to present your ideas in a well-organized manner before a group of people? Does this idea frighten you? This course is designed for those students who would like to feel more confident in presenting their ideas before a group. Various types of speeches are studied, created, and presented.

Reading the Movies Grades 9, 10, 11, 12 1 Quarter 1/2 Credit Elective

This course invites students to discover the joy of watching and analyzing different movie genres. Students will watch a movie each week during the nine-week quarter class. In addition to exploring how literary elements are embedded in visual text, students will also employ critical thinking skills related to the director's use of casting, costuming, sound, props, and editing techniques.

Song Lyrics as Literature Grades 9, 10, 11, 12 1 Quarter ½ Credit Elective

This course focuses on interpreting various song lyrics. Activities include critical and analytical reading of songs and various written responses to songs. Here is a chance to find out what the lyrics mean in relation to the occasion in which they were written.

Sports Literacy Grades 9, 10, 11, 12 1 Quarter ½ Credit Elective

This course offers many opportunities for students to write, read and speak about sports. The course is designed for the sports enthusiast. Students consider works that will require that they consider many avenues into literacy: creative pieces, nonfiction pieces, critiques, interviews, speeches, summaries and commentaries. Student decision-making is a driving force behind the elective course.

The Short Stories of Stephen King Grades 10, 11, 12 1 Quarter ½ Credit Elective

This course is an opportunity to study Stephen King's collection of writings (horror, supernatural fiction, suspense, crime, science-fiction, and fantasy novels). Students will read and analyze the parts of a story which make King so successful. Discussions, various written activities, and projects permit students to delve into the texts. **Due to the controversial nature of the course material, students enrolling in this course must have written parent/guardian permission.**

JOBS FOR MAINE GRADUATES

JMG Grades 9, 10, 11, 12 1 Semester 1 Credit Elective

JMG partners with public education and private businesses to offer results-driven solutions to ensure all Maine students graduate, attain postsecondary credentials and pursue meaningful careers. The purpose of this class is for students to gain skills that lead them to future success including career development, leadership development, community service and social awareness. Students agree to commit to completing assignments, working closely with the JMG Specialist to succeed both in and out of the classroom and participate in community service projects offered during the class time.

LIBRARY SCIENCE STUDIES

Library Science Studies Grades 10, 11, 12 1 Quarter ½ Credit

The Library Science student will receive training and experience in all phases of research methodology and library operations, including work with the circulation system, instruction in the alphabetical and numerical cataloging system for print materials, working with peers to provide assistance with any of these areas and general clerical skills associated with office business settings.

MATHEMATICS

Pre-Algebra

1 Semester

1 Credit

The Pre-Algebra course is an introduction to basic algebra concepts and a review of basic arithmetic. The course is designed to help students strengthen their skills in basic math, emphasizing the concepts necessary to be successful in Algebra I. The course helps students develop good mathematical study skills and learning strategies. The course begins with a brief review of the number system and operations with whole numbers, fractions, decimals, positive and negative numbers.

Algebra 1 Part 1

1 Semester

1 Credit

Algebra I is a Common Core State Standards (CCSS) aligned course designed as a study of real world uses of algebra. The increasing use of quantitative methods in all disciplines has made algebra the fundamental tool for mathematical applications. Algebraic thinking is learned most effectively when it is studied in the context of applications, both mathematical and real-world. Algebra is a tool for analyzing and describing mathematical relationships. These relationships can be found all around us: the workplace, the sciences, technology, engineering, and mathematics. Topics taught in Algebra 1 Part 1 include solving equations, writing and graphing equations, systems of equations, solving and graphing inequalities, functions and data analysis.

Algebra 1 Part 2

1 Semester

1 Credit

Prerequisite: Algebra 1 Part 1

Algebra I is a Common Core State Standards (CCSS) aligned course designed as a study of real world uses of algebra. The increasing use of quantitative methods in all disciplines has made algebra the fundamental tool for mathematical applications. Algebra 1 Part 2 is a continuation in the Algebra curriculum. Topics taught in Algebra 1 Part 2 include exponents and exponential functions, polynomials, graphing quadratics and solving quadratic equations.

Algebra I, Advanced

1 Semester

1 Credit

Prerequisite: NWEA score range 240+ or Teacher recommendation.

Algebra I, Advanced is a fast-paced, rigorous Common Core State Standards (CCSS) aligned course designed as a study of real world uses of algebra. The increasing use of quantitative methods in all disciplines has made algebra the fundamental tool for mathematical applications. Algebraic thinking is learned most effectively when it is studied in the context of applications, both mathematical and real-world. Algebra is a tool for analyzing and describing mathematical relationships. These relationships can be found all around us: the workplace, the sciences, technology, engineering, and mathematics. This course is completed in one semester of intensive study as opposed to the full year for standard Algebra I.

Geometry 1 Semester 1 Credit
Prerequisite: Successful completion of Algebra 1 Part 1 and Algebra 1 Part 2

Geometry is a Common Core State Standards (CCSS) aligned course designed as a study of real world uses of geometric figures. Class activities and discussions provide discovery and applications for each topic. The focus of this course will be on angles, coordinate geometry, polygons, area, volume, similarity, congruence, inductive reasoning and circles.

Geometry, Advanced 1 Semester 1 Credit
Prerequisite: Successful Completion of Advanced Algebra 1 or with permission of instructor.

Advanced Geometry is an intensive, Common Core State Standards (CCSS) aligned course for the highly motivated student designed as a study of real world uses of geometric figures. Class activities and discussions provide discovery and applications for each topic. The focus of this course will be on angles, coordinate geometry, polygons, area, volume, similarity, congruence, trigonometry, inductive reasoning and circles.

Algebra 2 1 Semester 1 Credit
Prerequisite: Successful completion of Algebra 1

This is a one semester Common Core State Standards (CCSS) aligned course designed to build upon the concepts taught in Algebra I while adding new concepts to the students' repertoire of mathematics. In Algebra I, students studied the concept of functions in various forms such as linear, quadratic, polynomial, and exponential. In Algebra 2, students continue the study of exponential and logarithmic functions and further enlarge their catalog of function families.

Algebra 2, Advanced 1 Semester 1 Credit
Prerequisite: Successful completion of Advanced Algebra 1 or instructor permission.

This is an intensive Common Core State Standards (CCSS) aligned course for the highly motivated student designed to build upon the concepts taught in Algebra I while adding new concepts to the students' repertoire of mathematics. In Algebra I, students studied the concept of functions in various forms such as linear, quadratic, polynomial, and exponential. In Algebra 2, students continue the study of exponential and logarithmic functions and further enlarge their catalog of function families. Students in this rigorous course are on a pathway to enroll in AP Calculus and/or AP Statistics.

History of Math 1 Quarter ½ Credit
Prerequisite: Pre-Algebra

This course is an introduction to the history of mathematics as the evolution of mathematical thought from primitive counting to the ideas of the 21st century. As well as an opportunity to experience the events that have made what mathematics is today and meet the mathematicians that created them. This course will give students a deeper understanding of mathematical concepts by learning how and why those concepts arose; knowledge of mathematical symbols and constants, and guide students with how

to use the history of mathematics in their future careers. Along with applying mathematical concepts, this course will help students improve their written and spoken communication skills.

Pre-Calculus 1 Semester 1 Credit
Prerequisite: Algebra 2 and Geometry

Pre-Calculus is a course intended to provide the mathematical background needed for calculus. The course integrates graphing technology to complement the study of the underlying principles of mathematics taught in previous algebra and geometry courses. Topics include: thorough discussion of functions and graphing with an emphasis on polynomial, logarithmic, exponential, and trigonometric functions.

Pre-Calculus, Advanced 1 Semester 1 Credit
Prerequisite: Successful completion of Advanced Geometry and Advanced Algebra 2 or permission of instructor.

Pre-Calculus, Advanced is a rigorous course that provides a solid pre-calculus foundation. Topics include: thorough discussion of functions and graphing with an emphasis on polynomial, logarithmic, exponential, trigonometric functions and an introduction to limit theory.

Advanced Math Topics 1 Semester 1 Credit
Prerequisite: Advanced Pre-calculus or Instructor permission

Advanced Math Topics is a one semester offering designed for motivated students who will be pursuing post-secondary programs in which high level math skills will be necessary. This course is appropriate for students who have completed Advanced Precalculus. Topics will include: probability and statistics, Advanced Geometry, Advanced Trigonometry, Advanced Algebra, data analysis, sequence and series, conic sections, matrices and discrete math.

Calculus 1 Semester 1 Credit
Prerequisite: Pre-Calculus

This is a course that begins with a review of functions and their graphs followed by a study of the theory of limits. These concepts are used to develop the principles of differential calculus. Emphasis is placed on the applications of calculus with such topics as instantaneous rates of change, maxima, and related rates. Integration of technology and scientific investigation are a significant part of the curriculum.

Advanced Placement Calculus AB 2 Semesters 2 Credits
Prerequisite: Pre-Calculus, Advanced or permission of instructor.

This is a very rigorous course beginning with a review of functions and their graphs, followed by a study of limit theory. These concepts are used to develop the principles of differential and integral calculus. Emphasis is placed on the applications of calculus with topics such as instantaneous rates of change, relative and absolute extrema, related rates, area, volume, and work. Integration of technology

and scientific investigation are a significant part of the curriculum. This course is intended to prepare students for the AB Calculus exam in May.

Advanced Placement Calculus BC 1 Semester 1 Credit
Prerequisite: AP Calculus AB

BC Calculus is a very rigorous one semester course that is the second step in the AP Calculus offerings at Lawrence High School. The course is intended for motivated, high-achieving math students intent on pursuing a postsecondary program involving a rigorous mathematics element. Topics will include: Applications of integration, sequence and series, improper integrals, integration by parts, Newton's method, Euler's method, and derivatives of parametric, polar and vector functions. Technology will be used regularly by students and teachers to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

Statistics: Dual Enrollment 1 Semester 1 Credit
Prerequisite: Completion of at least Algebra II

Statistics is a 1 semester dual-enrollment course with KVCC. The four main areas of study include exploring data, planning a study, probability, and statistical inference. Before entering this course students are expected to have attained a level of mathematical maturity, which includes a complete working knowledge of the graphical and algebraic concepts of linear, quadratic, exponential, and logarithmic functions. This course requires thorough reading of the textbook, as well as extensive work outside of class. A graphing calculator (of the TI-83/84 family) will be needed every day in class and for homework.

Advanced Placement Statistics/Dual Enrollment 2 Semesters 2 Credits
Prerequisite: Completion of at least Algebra II

AP Statistics is a year-long dual-enrollment course with KVCC. The four main areas of study include exploring data, planning a study, probability, and statistical inference. Before entering this course students are expected to have attained a level of mathematical maturity, which includes a complete working knowledge of the graphical and algebraic concepts of linear, quadratic, exponential, and logarithmic functions. This course requires thorough reading of the textbook, as well as extensive work outside of class. A graphing calculator (of the TI-83/84 family) will be needed every day in class and for homework.

Consumer Math-Level C 1 Semester 1 Credit
Prerequisite: Teacher recommendation, permission of guidance counselor or administrator.

Consumer Math is a general mathematics course designed to develop real-life problem solving and money management skills while advancing the individual's personal finance literacy. This course will provide exposure to basic, everyday business transactions such as estimating, calculating change, understanding wages and earnings, comparing prices, and checking accounts.

Personal and Business Math

1 Semester

1 Credit

Personal and Business Math is a mathematics course designed to introduce personal and business finance concepts. This course will provide exposure to the basic, everyday business transactions such as payroll calculations, simple and compound interest, consumer and business credit and revenues. Students who take this course could continue onto an education in business or accounting.

Quantitative Reasoning (MAT 111) Dual Enrollment

1 Semester

1 Credit

Prerequisite: Algebra 1 and Geometry or permission of instructor.

Quantitative Reasoning provides a foundation in critical thinking, problem solving, and mathematical skills aligned with citizenship, workforce and real-world applications. The goals of the course are to engage students in meaningful mathematical experiences that will increase their quantitative and logical reasoning abilities and strengthen the mathematical abilities that they will encounter in other disciplines. Developing and supporting communication and collaboration skills when doing mathematics will be a focus of the course. This course is particularly designed as a gateway for students entering non-STEM degree programs.

Technical Mathematics (MAT 114) Dual Enrollment

1 Semester

1 Credit

Prerequisite: Successful completion of Algebra 1 or permission of instructor

This course will provide students with the concepts, principles, and problem solving techniques and skills needed in diverse occupational fields. Interactive techniques will be used which emphasize an understanding of the topics followed by applications of math concepts using problem solving computations. Topics covered include the numbering system, percents, charts, tables, and graphs, calculations in both S.I. (metric) and the English systems, algebraic operations, simple equations, ratio and proportions, fundamentals of plane geometry, angular measure, triangles, area and volume calculations of various geometric shapes, introduction to right angle trigonometry.

College Algebra (MAT 117) Dual Enrollment

1 Semester

1 Credit

Prerequisite: At least three credits of math or department head approval

College Algebra is a dual enrollment course with Kennebec Valley Community College available to seniors. The emphasis on this course is on problem solving. This course unifies the traditional analytical methods of Algebra with the modern graphing technologies in order to solve problems modeled by a variety of functions such as linear, quadratic, absolute value, polynomial, exponential and logarithmic. The central theme is authentic applications from traditional disciplines such as the physical sciences and engineering, as well as, applications from business, economics, social sciences, life science, health science, sports, and other areas of student interests. This course provides the foundation necessary for future studies in mathematics.

Advanced Placement Computer Science Principles 2 Semesters 2 Credits Elective
Prerequisites: None

Code.org's Computer Science Principles (CSP) curriculum is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. All teacher and student materials are provided for free online and can be accessed at code.org/csp.

MUSIC

Symphonic Band Grades 9, 10, 11, 12 1 or 2 Semesters ½ or 1 Fine Art Credit

The symphonic band is a large instrumental experience for students who wish to develop their skills as instrumental performers and develop an awareness of the wide variety of literature for the ensemble. The class meets every other day for one block and focuses on fundamental musicianship. Previous experience on an instrument is required, but provisions can be made to start students as beginners through independent study. Attendance and participation at all performances is a part of the grade. This band also marches in the September Clinton Lions Club Fair parade and Memorial Day parades of the district, as a requirement of the course.

By joining Symphonic Band, you are joining a community of musicians. You make friends, share the joy of making music together, and peer-teach each other. Within an ensemble students make friends with like-minded musicians and forge deep, long lasting relationships.

Chorus Grades 9, 10, 11, 12 1 or 2 Semesters ½ or 1 Fine Art Credit

Chorus meets every other day for 1 block and is a large ensemble experience for all those who enjoy singing and wish to develop their overall musicianship. A wide variety of experiences and styles of music are offered as a means of expanding the student's skills and understanding of vocal music. Prior experience is not required, but attendance and participation at all performances is a part of the grade.

Why should you take chorus? The ability to work as a team, to develop intrapersonal understanding, and problem solving skills are used everyday in this class.

Survey of Music Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

This survey course is for the student who wants to learn more about music in order to become a better listener or consumer. Meeting every day for one block for one quarter, this class will deal with the elements of music. Students will study, listen, and interact to many musical styles, including rock, jazz, classical and folk. Students will have assignments based on areas of emphasis. No experience in music is required.

Students with musical awareness communicate better with peers, are more empathetic, and get lots of practice expressing ideas without using words.

Music Theory 1 Grades 9, 10, 11, 12 1 Quarter ½ Credit Elective

This is an introductory class for musical theory for anyone who is interested in understanding the how and why of music. This class will encompass the basics of music theory including reading music in treble clef, bass clef, rhythms Intervals, time signatures, dynamics, major scales and chords, key signatures and relation of this material to the piano keyboard and basic composition. Basic sight reading and ear training skills will also be included using the Kodaly' system.

What skills will you possess after this class? The skills of creating, understanding and applying musical knowledge to music from early renaissance to the music of today.

Music Theory 2 Grades 9, 10, 11, 12 1 Quarter ½ Credit Elective

Prerequisite: Music theory 1 or permission of the teacher

This class will explore advanced study with intervals, minor scales and modes, and will begin composing music with basic voice leading and 4 part harmony. Sight reading and ear training skills will correlate with the above skills including dictation of melodic patterns in minor modes. Musical history will also be included in this class. Keyboard skills will be incorporated in this section.

Music Theory 2 will take the skills of Music Theory 1 and take them to the next level. Analyzing music and problem solving is an integral part of this class. This is a class for students who want to have music as a part of their lives or are exploring music as a future career.

Music Theory 3 Grades 9, 10, 11, 12 1 Quarter ½ Credit Elective

Prerequisite: Music theory 1, 2 or permission of the teacher

This class will focus on independent projects in composing and music history and harmonic analysis. Advanced sight singing skills and dictation will be taught in this class. This class is for those students who want a career in music.

History of Rock and Roll Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

Are you interested in Rock and Roll music? This class will explore all areas of rock and roll from its inception to present day. Learn how early European music influenced Rock and Roll and how composers like Bach and Mozart had a little of this genre in their music. Projects, presentations and class discussions will be a large part of this class. There is more to Rock and Roll than what is heard on the radio, bring your curiosity to the class and let's make some music.

Why take this class? This class looks at how real life situations and historical events shaped music into what we hear today. This class gives the capacity to recognize, create, reproduce and reflect on the effects of music.

Musical Theatre: The Past, Present and Future Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

Musical Theatre: The Past, Present and Future will explore the progression of musical theatre from the early 1900's to present. Students in the course will explore all areas of musical theater. Everything from set design, costumes, casting and blocking to lights and sound. Students will also explore the business and marketing aspects of musical theatre through a variety of design projects and creative problem solving.

The reason for this class is to find the connections between storytelling, music and what makes people tick. The link to poetry, music, emotion and everyday challenges will be discussed and seen through musical theatre in this class.

Piano Keyboard Class Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

Piano class is designed for students from beginner to advanced pianists. If you have never taken a lesson or if you have taken lessons for several years this class is for you. Reading music, understanding music terminology and learning to perform is part of this class. **This class is open to grades 9,10,11,12 and qualifies as a fine arts credit or an elective.**

Beginning Band Ensemble Grades 9, 10, 11, 12 1 Semester 1 Credit Fine Art

Prerequisite: No prior musical knowledge necessary.

Beginning Band Ensemble provides an opportunity for all students to participate in a traditional concert band performance group. Students will receive rudimentary training in marching band skills and small percussion ensembles. Students will learn the concepts of rhythm, texture, balance, blend, and basic ensemble playing as they develop their role as ensemble members. This is an opportunity for students who have either never played a band instrument, or would like to “re-start” one.

Learning to play in a band or ensemble can have huge rewards! Group playing fosters the ability to work and collaborate with others, and Beginning Band will get you ready for Symphonic Band.

Percussion Ensemble Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

Prerequisite: No prior musical knowledge necessary.

Percussion Ensemble provides an opportunity for all students to participate in a rhythm-based performance group. Students will receive training in marching band skills and small percussion.

Playing drums can relieve frustration and stress. Whether you're behind a drum kit, hitting a djembe in a drum circle, or beating a marching band bass drum, drumming is a stress reliever. Playing drums, even for just a few minutes, can boost your mood.

SCIENCE

Introduction to Lab Physics A Grade 9 1 Semester 1 Credit

Prerequisite: Currently taking Advanced Math Courses or by recommendation.

This is a survey course in the fundamentals of Physics. Students interested in studying science after graduation from Lawrence should take this course. Having the ability and desire to complete homework is an essential characteristic for students taking this class. The topics covered will include graphical analysis, constant motion, changing motion, Newton's Laws of Motion, momentum and its conservation, forces and force diagrams, simple machines and work, energy and its conservation, and waves. The focus will be upon the student establishing the relationships found within these topics through lab work and graphing data collected.

Foundations of Physical Sciences includes Foundational Physics and Foundational Chemistry.

Taking both will complete your 9th grade science. Taking these courses shows how common mechanical and chemical processes work. These concepts are used in everyday life including in many jobs.

Foundational Physics Grade 9 Levels B and C 1 Quarter ½ Credit

This quarter course will cover the basics of physics using labs to reinforce concepts learned. Students will study motion, including Newton's three laws of motion, simple machines and mechanical advantage, energy and thermal energy and how waves move through matter and space.

Foundational Chemistry Grade 9 Levels B and C 1 Quarter ½ Credit

This quarter course will cover the basics of chemistry using labs to reinforce concepts. Students will learn about the building blocks of matter, the elements and the particles that make them up, atoms and subatomic particles and the Periodic Table, electrons and chemical bonds.

Earth History Grades 10, 11, 12 1 Quarter ½ Credit

Earth History is a course focused on the scientific theories about the creation of the universe, solar system, earth, moon and life. All scientific theories will be taught from the creation of the universe through the geological timeline up to modern day. Topics covered will include the doppler effect, cosmic microwave background radiation, half-lives, carbon dating, fossils, and plate tectonics, among others.

Environmental Science Grade 9, 10, 11, 12 1 Quarter ½ Credit

Prerequisite: At least 9th grade foundational chemistry. Students should know about acids/bases and chemistry and have good lab skills for this class.

Environmental Science is an interdisciplinary class bringing together biology, chemistry and current events to look at natural resources, renewable and nonrenewable energy and how humans can impact the environment. Topics include water quality, oceans, soil, pollution, climate (both sides of the climate change argument). The class will involve many labs and hands-on activities involving local water and soil samples and may involve some field work.

Fundamentals of S.T.E.M. Grade 9, 10, 11 1 Quarter ½ Credit

This quarter course is a survey of many aspects of S.T.E.M. (Science, Technology, Engineering, Math) using labs to reinforce concepts learned. Students will study Engineering Method, Design and Build challenges, Circuits, Introduction to Coding and many other topics of interest (for example 3D printing).

Kitchen Chemistry Grade 10, 11, 12 1 Semester 1 Credit

Prerequisite: Biology and freshmen level science course (Introduction to Chemistry, etc.)

Kitchen Chemistry is a real-world focused chemistry course where students will learn the chemistry behind kitchen processes and other natural everyday chemical phenomena. Topics covered will include the following: measurement systems, chemical reactions, acids and bases, pH scale, physical and chemical changes, solutions and mixtures, properties of matter, ratios, variables and the scientific method. This course is designed for students who are not going onto college or are going onto college in a non-scientific field. Students going to college for science majors can take this after taking Honors Chemistry if interested.

Maine Ecology Grade 9, 10, 11, 12 1 Quarter ½ Credit

In this quarter class students will gain real world knowledge about Maine's plant and animal life including how closely Maine's economy is tied to its natural resources. Topics may include Maine's Environmental History from forestry to fisheries, Maine wildlife conservation, ecotourism and natural resources. Students will be researching doing project-based learning activities and presenting information to the class.

Geology Grades 11, 12 1 Quarter ½ Credit

Geology is a course designed for those interested in learning more about minerals and rocks. This course teaches students how to identify minerals and rocks based on their properties like streak, color, hardness and crystallization.

Honors Lab Biology Grade 10, 11, 12 Full Year 2 Credits

Honors Biology is a challenging, year-long course for students interested in a science career. Nightly independent work or lab reports are common in this class. Topics include an in depth study of ecology, cellular biology, DNA, genetics, evolution and microorganisms. Additional topics include plants,

comparative anatomy and physiology of invertebrates and vertebrates. The last topic covered deals with human systems and organ functions.

Lab Biology Grade 10, 11, 12 1 Semester 1 Credit

Lab Biology is divided into three different areas. The first is an introduction to cellular biology. The student learns about the important structures and functions of cells, genetics and the “Cell Theory” of life. The second area deals with a comparative study of invertebrates and vertebrates. These animals are traced from the simplest to the most complex via evolutionary relationships beginning with invertebrates and ending with vertebrates. The third area of study is the interaction of living things and their environment.

Biology, General Grade 10,11,12 1 Semester 1 Credit

This course develops a general overview of the fundamentals of Biology. Topics covered will consist of cells, genetics, DNA, evolution and the kingdoms of life. Labs will be used whenever possible to bring understanding without the pressure of extensive lab reports. A variety of teaching methods and student activities are used.

Animal Science Grade 10,11,12 1 Semester 1 Credit
Prerequisite: Lab Biology

Animal Science will focus on educating students on topics that impact animal agriculture in today’s society. Animal Science is for students preparing for post-secondary education. Topics include: the domestication of animals (including animal husbandry and welfare), the organ systems, genetics, nutrition, reproduction, pathogen prevention/control and animal health management.

Honors Lab Chemistry Grades 11, 12 Full Year 2 Credits
Prerequisite: Honors Biology

This Chemistry course is a two-semester course for the student who is considering a career in a science related field (i.e. engineering, medicine, pharmaceuticals, physical therapy, psychology, etc.). Mastering mathematical calculations is critical to being successful. The student will analyze atoms and their bonds, the states of matter and their properties, various reactions (include acid/base and redox), dissolving processes including their kinetics, and will be introduced to organic, bio-, and nuclear chemistry. Weekly lab activities develop a solid foundation in a wide variety of lab techniques.

Lab Chemistry Grades 11, 12 1 Semester 1 Credit
Prerequisite: Lab Biology or Honors Biology

This course is designed for students planning on further post secondary education in a non-science related field. This course will focus on inorganic chemistry. A conceptual approach will be presented

concerning atoms and their bonds, the states of matter and their properties, and chemical reactions and their kinetics. Various lab activities develop a solid foundation in a variety of lab techniques. Math problem solving skills will be developed.

Forensics Grades 10, 11, 12 1 Semester 1 Credit

This course is a lab-based, hands-on course that will explore what forensic scientists do. You will learn modern forensic methods and use scientific methods to solve crimes. This course will focus on collection and analysis of crime scene evidence such as blood spatter, bone identification, DNA analysis, fingerprinting, bugs, time of death, toxicology, bite mark and shoe impressions.

BIO119 Survey of Anatomy & Physiology Grades 11, 12 Full Year 2 Credits
Dual Enrollment

Prerequisite: Lab Biology or Honors Biology, and teacher/guidance recommendation.

This course has been designed for the student who has plans of entering the medical field. The anatomy and physiology of each system will be explored in detail. The course will convey an understanding of the interdependency among systems. The information is given through lecture, laboratory periods, group work, projects, etc. Study begins with an introduction to the terminology related to human anatomy, followed by brief units including biochemistry, the cell, and tissues. Study will then move through the integumentary, skeletal, muscular, nervous, endocrine, respiratory, cardiovascular, digestion, excretory, and reproductive systems. Labs include some mammalian dissections. Upon successful completion of this course, the student will receive 4 college credits.

BIO213/214 (KVCC Health Sciences 2-year Cohort): Survey of Anatomy & Physiology
Dual Enrollment Grade 12 Full Year 2 Credits

Prerequisite: Accepted into KVCC Health Sciences Cohort (Junior Year) and Lab Biology or Honors Biology.

This course has been designed for the student who has plans of entering the medical field. The anatomy and physiology of each system will be explored in detail. The course will convey an understanding of the interdependency among systems. The information is given through lecture, laboratory periods, group work, projects, etc. Study begins with an introduction to the terminology related to human anatomy, followed by brief units including biochemistry, the cell, and tissues. Study will then move through the integumentary, skeletal, muscular, nervous, endocrine, respiratory, cardiovascular, digestion, excretory, and reproductive systems. Labs include some mammalian dissections. Upon successful completion of this course the student will receive 8 college credits.

Lab Anatomy and Physiology Grades 11, 12 1 Semester 1 Credit
Prerequisite: Biology

This semester course is designed for the student who is interested in a career in a health related field but does not have the room in his/her schedule for the year long anatomy course. The curriculum will cover a brief overview of the 11 body systems. There is much emphasis on disease prevention and

medical terminology. Students are expected to participate in some mammalian dissections. Labs are used to encourage a hands- on approach to learning but much of the course involves lecture as well.

Anatomy & Physiology of Injury & Illness Grades 11, 12 1 Semester 1 Credit

Prerequisite: Biology

This course is designed to familiarize students with the basic concepts of human anatomy and physiology as it relates to injury and illness. It is recommended for students who have a general interest in human biology. The course content will provide a more elementary foundation than the Lab Anatomy & Physiology course. The syllabus is conveyed primarily through group work, lab activities, projects, and class presentations by the teacher and the students. The year begins with fundamental terminology used in the health fields. It then progresses to cover basic anatomy & physiology of the skeletal, muscular, nervous, cardiovascular, endocrine, and reproductive systems as related to injury.

Honors Lab Physics Grades 11, 12 Full Year 2 Credits

Prerequisite: Algebra 2 and Pre-Calculus

This physics course is a challenging two-semester course and good for engineering majors. Topics covered using the modeling method, will include graphical analysis, kinematics, dynamics, mechanics, thermodynamics, and waves. Labs will give the student opportunities to use equipment that illustrates the concepts and from these labs the student will be able to either derive physics formulas or reinforce the physics formulas. Labs will be both of a conventional style and computer based.

Lab Physics Grades 11, 12 1 Semester 1 Credit

Prerequisite: Algebra 2

This class expands on topics from freshman year. Topics covered will include velocity, acceleration, forces, momentum, work, and simple machines. Labs will give the student opportunities to use equipment that illustrates the concepts and from these labs the student will be able to either derive physics formulas or to reinforce the physics formulas. Labs will be both of a conventional style and computer based.

Advanced Placement Biology/Dual Enrollment Grades 11, 12 Full Year 2 Credits

Prerequisite: Chemistry and Honors Biology

AP Biology is equivalent to Freshman College biology taken by science majors in college. The course will be fast paced and require nightly homework. Students that elect to take AP Biology will be required to sign out their textbooks and receive their reading syllabus before leaving school the previous spring. Students will be required to complete reading assignments over the summer and be ready to discuss the material when school starts. This course is intended to prepare the students to take the AP Exam, offered in May. Upon successful completion of this course, the student will receive 4 college credits.

Advanced Placement Chemistry Grade 12 Full Year 2 Credits
Prerequisite: Honors Chemistry

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. The course will be fast paced and require nightly homework. Students will be required to sign out an AP Chemistry book for the summer along with a reading syllabus and an assignment that is expected to be finished before school begins. This course is intended to prepare the students to take the AP Exam, offered in May. Upon successful completion of this course, the student will receive 4 college credits.

SOCIAL STUDIES

Civics/Government A Grade 9 1 Semester 1 Credit

This course is designed for students with an interest in the U.S. Constitution and the American political system who are willing to share ideas with other students. Content of the course includes the rights and responsibilities of citizenship as well as how to impact the political process. Most class activities demand active participation on the part of the student. **Rigorous assignments will be given throughout the semester.**

Civics/Government B Grade 9 1 Semester 1 Credit

This course is a study of the American political system. The class focuses on the rights and responsibilities of citizenship including ways in which the political system can be impacted. The U.S. Constitution and Bill of Rights are explored thoroughly. Active participation on the part of the student is an essential aspect of the class. Various assignments will be given throughout the semester.

Civics/Government C Grade 9 1 Semester 1 Credit

This course is a study of the American way of life. Class topics include Citizenship, the Constitution, Bill of Rights, the Political System and the voting process in the United States.. Current Events will be used as a way to keep students civically engaged in their own country, as well as the world. Students are only enrolled in this class by appropriate staff referrals, usually based on a student's IEP.

U.S. History 1A 1763-1898 Grade 11 1 Semester 1 Credit

This U.S. History offering will provide students with a survey of U.S. History from the Critical Period (1783) to the end of World War I(1920). This course is designed to challenge students who plan post-secondary education. Extensive readings, class discussions, group projects and a research paper will be integrated throughout the course. This course emphasizes analytical skills, including comparisons, chronological reasoning, and cause and effect relationships.

U.S. History 1B 1763-1898 Grade 11 1 Semester 1 Credit

This is the first of the two required U.S. History options that will offer students a survey look at U.S. History from the Critical Period (1783) to the end of World War I (1920). The major emphasis will be on the development of the Constitution, Western Expansion, Civil War, and the Gilded Age. This course emphasizes analytical skills, including comparisons, chronological reasoning, and cause and effect relationships.

US History 1C 1763-1898 Grade 11 1 Semester 1 Credit

This is the first of the two required U.S. History options that will offer students a survey look at U.S. History from the Critical Period to the end of World War I. The major emphasis will be on the development of the Constitution, Western Expansion, Civil War, and the Gilded Age. This course emphasizes analytical skills, including comparisons, chronological reasoning, and cause and effect relationships. Students are only enrolled in this class by appropriate staff referrals, usually based on a student's IEP.

U.S. History 2A 1898 - Present Grades 11, 12 1 Semester 1 Credit

This is the second of the two required U.S. History options that will offer students a survey look at U.S. History from the start of World War I, through the Great Depression, World War II, Cold War, Civil Rights Movement, Vietnam War, and Watergate with the Clinton years being the expected end point.. Extensive readings and writings are a major part of this class among which an interview of an Elder family member will be required. Students will both analyze historical information and then synthesize their own unique conclusions in various written assignments. Outside reading will be foundational.

U.S. History 2B 1898 - Present Grades 11, 12 1 Semester 1 Credit

This is the second of the two required U.S. History options that will offer students a survey look at U.S. History from the start of World War I, through the Great Depression, World War II, Cold War, Civil Rights Movement, Vietnam War, and Watergate with the Clinton years being the expected end point.. As with all levels, this class will include a required interview of an Elder. Students will both analyze historical information and then synthesize their own unique conclusions in various written assignments. Moderate writing will be involved.

US History 2C 1898 - Present Grades 11, 12 1 Semester 1 Credit

This is the second of the two required U.S. History options that will offer students a survey look at U.S. History from World War I to the 21st Century. The major emphasis will be The Great Depression/New Deal, World War II, The Cold War, advances in Civil Rights, the Vietnam War, Watergate, and the Reagan Revolution. Students are only enrolled in this class by appropriate staff referrals, usually based on a student's IEP.

Advanced Placement U.S. History (Takes the place of U.S. History 1 and U.S. History 2)
Grade 10 (with permission of instructor), 11, 12 Full Year 2 Credits

AP US History is a challenging course that is meant to be the equivalent of a freshman college course. The class meets everyday for 75 minutes. It is a two-semester survey of American history; from the Age of Exploration to the Present. Strong reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative skills, cause and effect relationships, essay writing, interpretation of primary sources, and historiography. Each student enrolled in the course is also expected to take the cumulative AP examination in May. This course is complementary to students enrolled in AP Language and Composition, as many of the skills taught are requisite for each course.

Advanced Placement United States Gov't & Politics Grades 10,11,12 1 Semester 1 Credit

This course explores the structure of American government, political theory, and everyday practices that shape our government and public policy. Students will analyze the US governmental system and develop a critical understanding of the strengths and weaknesses of Republicanism. Students are expected, but not required, to take the cumulative AP examination in May. Students in Grade 10 may take this class with recommendations from freshman teachers. Emphasis is placed on critical thinking and evaluative skills, analysis of sources (including a focus on current events), and interpreting political data.

Personal Finance Grades 11, 12 1 Quarter ½ Credit

The Personal Finance course is designed to help students prepare for the “real world”. In this course students will explore career options and acquire the skills and attitudes necessary to be successful in a rapidly changing world. The goal of this class is to assist and provide the students with the knowledge and ability to make informed decisions in the transition from high school to postsecondary education and employment. In this course students will learn the principles and processes of personal economics, the role of markets and economic systems, and how economics serves to inform decisions. The students will also learn to apply technological resources and problem solving strategies to real life situations, manage their personal resources, savings and investments; credit cards, check writing, money management, renting apartments, auto financing, income taxes, financial investments, various types of insurances and legal responsibilities. Students will be given the strategies to improve skills for lifelong learning necessary to be successful in the classroom, achievement of their work, career, and personal life goals. The major assignment will be to produce a workable budget based on a job/income selected by each student. Other assignments include “buying” stocks, choosing a car, finding a home, and managing credit.

Ancient History Grades 9, 10, 11, 12 1 Semester 1 Credit

The origin of Western Civilization and the impact of Non-Western groups on the west is the focus for this course. The course will begin with the rise of social organizations among people from the areas of

present-day Egypt, Greece, Rome, Middle East, France and England. Stress will be placed on the important events, personalities, and trends as they affected their own times and our modern world. Coverage begins with the origins of civilized man and runs up to 285 AD.

Medieval History Grades 9, 10, 11, 12 1 Semester 1 Credit

This course begins where the Ancient History elective leaves off (285 AD). The main focus will be on Western Civilization and the impact of Non-Western groups on the west. Coverage will advance through to 1800. Stress will be placed on the important events, personalities, and trends as they affected their own times and our modern world. Extensive readings and writings are a major part of this class.

World History Grades 9, 10, 11, 12 1 Semester 1 Credit

World History explores the start of the modern age and discusses the changes and conflicts that set the stage in Europe for WWI. We'll start with the Renaissance and its great contrast to Medieval times that came before, and then dive into the Reformation, Scientific Revolution. From there we'll explore the establishment of Absolutism and the response in the form of enlightened thought. The Enlightenment led to questioning of political leadership and revolutions and instability. Regular textbook assignments, research projects, written responses, and note taking are all part of the course expectations.

Geography A Grades 9, 10, 11, 12 1 Semester 1 Credit

The purpose of this class is to provide an introductory framework for a global understanding of geography. Geography is the study of the world's people, their places, their regions, and how people have interacted with their environment over time. This course is local, regional, and global in a spatial perspective. This course emphasizes skills such as spatial relationships, analysis of historical and present day events, and comparisons of cultures. This course includes weekly reading and writing assignments.

Geography B Grades 9, 10, 11, 12 1 Semester 1 Credit

The purpose of this class is to provide an introductory framework for a global understanding of geography. Geography is the study of the world's people, their places, their regions, and how people have interacted with their environment over time. This course is local, regional, and global in a spatial perspective. This course emphasizes skills such as spatial relationships, analysis of historical and present day events, and comparisons of cultures.

Geography C Grades 9, 10, 11, 12 1 Semester 1 Credit

Prerequisite: Teacher recommendation and guidance counselor or administrator approval.

The purpose of this class is to provide an introductory framework for a global understanding of geography. Geography is the study of the world's people, their places, their regions, and how people

have interacted with their environment over time. This course is local, regional, and global in a spatial perspective. This course emphasizes skills such as spatial relationships, analysis of historical and present day events, and comparisons of cultures.

Current Events Grades 9, 10, 11, 12 1 Quarter ½ Credit

This course uses current news sources- websites, newspapers, magazines and the evening news to develop an understanding of the array of events covered in the news each day. Extensive readings would be expected. The students will be asked to do significant research on topical issues, and writings to express understanding of their findings. In class discussions and participation are also a major component of the seat work in this course. Position papers and written quizzes provide a substantial portion of the written work in this course.

Maine Studies Grades 9, 10, 11, 12 1 Quarter ½ Credit

Maine Studies is an overview of the entire state of Maine. Maine's geography, history, economics and current issues will be discussed. Students will learn about their hometown and the history behind it. Local field trips and guest speakers will be a part of this course. This course will primarily be project based. This course will emphasize skills such as defining key characteristics of Maine's culture, history and geography.

Introduction to Sociology Grades 10, 11, 12 1 Quarter ½ Credit

Hey, are you a human? Do you talk, live, breathe, eat, and learn with other humans? Unless you live like a hermit and have been doing so for a long time, you help to define sociology because you are "social". Sociology is the study of social life, social change, and the social causes and consequences of human behavior. In this course students will investigate and seek to understand the structure of groups, organizations, and societies, as well as how people interact within these contexts. This course is designed to give a brief introduction to sociology to prepare students for a college-level course in sociology and/or for careers that work with diverse groups of people. This course will emphasize skills such as investigating a hypothesis, observing human and group behavior, analyzing experimental data, and critical thinking.

Introduction to Economics Grades 10, 11, 12 1 Quarter ½ Credit

Economics is all about how individuals, businesses, and governments decide what to do with the resources they have and the consequences of these decisions. Everything from where pineapples should be grown to what the tax rate should be are, at their heart, economic questions. In this class, students will learn the basic principles and then use this knowledge to better understand the economic activity of our country as a whole. This large-scale focus is known as macroeconomics. In this class, students will be asked to interpret graphs, complete occasional readings, and use critical thinking skills to come up with solutions to hypothetical problems. Many of the assignments will require students to use basic math skills.

SPECIAL EDUCATION

Educational programs and services for students identified through the IEP process as having education-related handicaps are provided through Special Education. The goal is to help students cope with learning difficulties in order to achieve success both in high school and their future years. Students are encouraged to work to their fullest capacity and develop work habits that will be needed as adults. A pre-vocational program is available to special education students. This program is comprised of the following courses:

Corrective Reading 1 Semester 1 Credit
Prerequisite: Referral through IEP Team Meeting

Corrective Reading is designed to promote reading accuracy (decoding), fluency, and comprehension skills of students who are reading below their grade level. The program has four levels that correspond to students' decoding skills.

Focused English 9 Full Year 1 English Credit and 1 Elective Credit
Prerequisite: Referral through IEP Team Meeting

This course is designed for the student who has an IEP. Placement in this class is a team decision. Students will receive instruction addressing the standards in reading literature, reading informational texts, writing, speaking and listening, and language conventions. Students will read various literary works, representing a variety of authors, time periods, and themes. Writing for a variety of purposes will be studied. Students are expected to actively participate in classroom discussions and prepare oral presentations. Language conventions, vocabulary, and literary devices will be addressed through reading and writing.

Focused English 10 1 Semester 1 Credit
Prerequisite: Referral through IEP Team Meeting and successful completion of English 9

This course is designed for the student who has an IEP. Placement in this class is a team decision. Students will receive instruction addressing the standards in reading literature, reading informational texts, writing, speaking and listening, and language conventions. Students will read various literary works, representing a variety of authors, time periods, and themes. Writing for a variety of purposes will be studied. Students are expected to actively participate in classroom discussions and prepare oral presentations. Language conventions, vocabulary, and literary devices will be addressed through reading and writing. A career research unit will help students to identify possible career options:

Focused English 11 1 Semester 1 Credit
Prerequisite: Referral through IEP Team Meeting and successful completion of English 10

This course is designed for the student who has an IEP. Placement in this class is a team decision. Students will receive instruction addressing the standards in reading literature, reading

informational texts, writing, speaking and listening, and language conventions. This survey class explores literature, poetry, historical nonfiction and research-based readings with an emphasis on argument and analysis writing. In addition, the student is expected to read extensively; analyze articles; participate in class discussions, group projects, and individual presentations; conduct research; and write a research paper.

Focused English 12 1 Semester 1 Credit
Prerequisite: Referral through IEP Team Meeting and successful completion of English 11

This course is designed for the student who has an IEP. Placement in this class is a team decision. Students will receive instruction addressing the standards in reading literature, reading informational texts, writing, speaking and listening, and language conventions. Students in this course will read works of fiction and nonfiction, as well as a Shakespearean play. Students will create a presentation to defend their research position and analyze works of literature. In addition, students will prepare and write a college application essay for submission to a college or university of their choice.

Focused Math 9 Full Year 2 Credits
Prerequisite: IEP recommendation

This class moves at a slower pace and gives students the essential components of Pre-Algebra standards. Time is built in for remediation of basic math skills.

Focused Math 10 1 Semester 1 Credit
Prerequisite: IEP recommendation and completion of Math 9

This class moves at a slower pace and gives students the essential components of the Pre-Algebra Curriculum and begins to work on essential skills for Accuplacer testing. Time is built in for remediation of basic math skills

Focused Math 11/12 1 Semester 1 Credit
Prerequisite: IEP recommendation and completion of Math 10

This class moves at a slower pace and gives students the essential components of the Pre-Algebra Curriculum and begins to work on essential skills for Accuplacer testing. Time is built in for remediation of basic math skills

Advanced Citizenship Full Year 2 Credits
Prerequisite: Referral through IEP

This course provides students with special needs a basic curriculum in life skills and independent living skills. Units include Personal information, Communication skills, Cooking/meal preparation, personal care, simple first aid, social skills and relationships, leisure activities, and money.

TECHNOLOGY EDUCATION

Applied Metal Arts Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

This course introduces the student to sheet metal fabrication, measuring and layout techniques. It will also introduce the basics of arc welding and associated fabrication techniques, which include wrought iron, fitting and assembly. Safely using the equipment and operation will be emphasized. Projects will be required.

Colonial Woodworking Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

This course should give the student a general overview of woodworking. With an understanding of the basic skills such as measuring, sawing, planing, shaping, drilling, fastening, making wood joints, gluing up stock and finishing. This course will also cover the history of woodworking, safety in the wood shop, consumer values, ecology of natural resources, and a basic understanding of machine operation. Colonial projects are required.

Creative Crafts Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Art

This course is designed to give the students a basic exposure to the various popular crafts. It gives the student a chance to explore tin craft, small woodcraft projects, sandblasting, and stained glass.

Metal Technology 1 Grades 10, 11, 12 1 Quarter ½ Credit Elective

This course will involve sheet metal fabrication and Arc welding and wrought iron fabrication. We may introduce the basics of gas metal arc and oxy acetylene torch. Projects will be required.

Metal Technology 2 Grades 10, 11, 12 1 Quarter ½ Credit Elective

This will introduce students to welding design and testing. Students will do more advanced gas-metal arc, gas tungsten welding and oxy-acetylene welding and brazing. Use of the machine tool lab may be possible. Projects may include group activities and will be required. Individual projects may result in additional fees.

Metal Technology 3 (Independent Study) Grades 11, 12 1 Quarter ½ Credit Elective
Prerequisite: Applied Metal Arts or equal experience

With instructor permission, any student who has completed all 3 metal courses may apply for Independent Study. Students will be asked to interview with the instructor at least a semester in advance and contract for their independent experience. Students will be assessed charges for projects completed.

Woodworking Technology Grades 10, 11, 12 1 Quarter ½ Credit Elective
Prerequisite: Colonial Woodworking or equal experience

This course should enable the student to properly use machines to construct, repair, and refinish furniture. Also, students will be introduced to the safety requirements and have a degree of knowledge about consumer values, general occupational and vocational information related to this area. Projects are required.

Furniture and Cabinet Making Grades 11, 12 1 Quarter ½ Credit Elective
Prerequisite: Colonial Woodworking and Woodworking Technology or equal experience

Furniture and Cabinet Making consists of advanced use of machines, cabinet designing, drafting, millwork, cutout assembling, laminated plastic tops, staining, finishing, and installation. Students will be made aware of safety requirements, consumer values, and general occupational and vocational information as it relates to this course. Projects are required. Students will be assessed additional charges to cover expenses beyond the initial fee.

Woodworking, Independent Study Grades 11, 12 1 Quarter ½ Credit Elective
Prerequisite: 3 woodworking courses. **With instructor permission**, any student who has completed at least 3 woodworking courses and has the skills to design, create, and complete advanced project(s) may apply for Independent Study.

Introduction to Technology Education Grades 9, 10, 11, 12 1 Quarter ½ Credit Elective

This is an introductory course in technology education offered for all students. Students will be using material based methods (metals, woods, drafting art and design) along with problem solving activities that include an introduction to robotics. Students will also complete a unit in mass production manufacturing.

THEATRE

Introduction to Theatre Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Arts

This is an introductory theatre course. Students will study theatrical type, style, genre, and literature as well as history/culture, and performance. Assessments consist of written responses, oral responses, hands on projects and a final portfolio.

Why you should consider this course: The theatre arts allow individual students to explore a unique combination of art, design, storytelling, movement, voice as well as an in depth study of empathy and what it means to be human.

Introduction to Theatre: Stagecraft Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Arts

This is an introductory theatre course. Students will be introduced to elements of costume, scenic, lighting and properties design as well as elements of production technology. Assessments consist of

written responses, presentations, hands on projects (including scale and lifesize model construction) and a final portfolio.

Why you should consider this course: Skills learned in this course translate efficiently to everyday life. While exercising your creativity, you will also be learning basic design, carpentry, sewing, painting, and audio/visual functions and programming.

Introduction to Theatrical Improv Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Arts

Why you should consider taking this course: This course develops your flexible thinking, creative problem solving, and collaboration skills in an exciting and high energy environment.

In this course, students will learn and build upon the basic principles and rules of theatrical improvisation, with the ultimate emphasis on applying these to one's own life. Students will develop skills through theatre games, short and long form improvisation structures, writing exercises, written reflections, and performance experiences in order to create and develop original characters and situations through vocal, physical, and emotional creative expression.

Theatre for Social Change Grades 10, 11, 12 1 Quarter ½ Credit Fine Arts

This course will examine how theatre can be used as a tool to explore human rights and social justice issues and their violations around the world and throughout history. The class will explore how theatre has the potential to engage both audiences and production members in critical dialogues regarding human rights. Students will develop skills for analyzing classic and contemporary dramatic literature, past and current news, and complex government documents in order to compare and contrast facts and biases regarding social issues and human rights.

Why you should consider this course: Similar to other social studies courses, this explores what it means to be an informed, active citizen. Through the lens of theatre, performance, playwriting, and dramatic literature we will discover what it means to be an activist.

Theatre: Production Design Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Arts

Prerequisite: Introduction to Theatre or Instructor Approval

This is an advanced design course. Students will delve more deeply into elements of design including style, type, and period with a focus on scene paint, costume, makeup, and puppetry. Assessments consist of written responses, elevations, presentations, and design execution.

Why you should consider this course: This course exercises your problem solving and critical thinking skills while exploring the elements of design, color psychology, drafting, drawing, and digital media collages.

Theatre: Adv. Study and Performance Grades 9, 10, 11, 12 1 Quarter ½ Credit Fine Arts

Prerequisite: Introduction to Theatre or Instructor Approval

This is an advanced, performance oriented course. Students will analyze scripts, and use physical, vocal, and imagination exercises to develop character purpose, objective, relationships, and subtext.

With this, students will explore the subtle differences in acting for the stage and acting for the camera. Students will also evaluate performance and develop character-building techniques. During the semester students will develop and perform pantomime, monologues and dialogues, choreography, and stage combat.

Why you should consider this course: the study of theatre and performance helps you build confidence, discover your own voice, and develop empathy and ethical insight into the complexities of the human condition.

Children's Theatre (Advanced Theatre Class) Grades 10, 11, 12 1 Quarter ½ Credit Fine Arts
Prerequisite: Intro to Theatre

This is partially a performance-oriented course. Students will work with design, script analysis and performance critique of both children's theatre and theatre for young audiences. Students will also take part in various exercises to develop children's theatre pieces for workshop and performance. Strong reading and writing skills required.

Why you should consider this course: This course will teach skills and activities to help you engage with the young people in your life, whether you are considering early childhood education, becoming a summer camp counselor, or simply looking for ways to entertain your siblings.

Independent Theatre Grades 10, 11, 12 1 Quarter ½ Credit Fine Arts
Prerequisite: With permission of instructor **only**. Completion of at least one advanced theatre course OR advanced study completed as a member of the Lawrence Theatre Company.

This is an advanced independent study in the theatre arts. Students may choose a track: Literature & Script Analysis, Technology, or Design (costume or scenic), and design their own syllabus based on a weekly breakdown model provided. Course culminates in a final portfolio.

WELLNESS - HEALTH EDUCATION

Health Grade 9 1 Quarter ½ Credit

This required course in health education gives students the knowledge and skills to thrive physically, mentally, emotionally, and socially. It contributes to students' ability to successfully practice behaviors that protect and promote health, and avoid and reduce health risks. Health education helps students to determine personal values and group norms that support healthy behaviors. Through comprehensive health education, students learn basic health concepts and influences on health. They develop the skills and information required to adopt, practice, and maintain health-enhancing and safe behaviors. These skills include: analyzing the reliability and validity of media and health resources; communicating effectively using refusal and conflict management skills; recognizing the signs of suicide and knowing how to get help for a person in need; setting goals; and making healthy decisions. Topics discussed include: dimensions of health, stress management, mental health, substance abuse prevention, eating disorder prevention, suicide prevention, and human sexuality.

Advanced Health Education

1 Quarter

½ Credit Elective

Prerequisite: Health

Advanced Health Education is a highly interactive activity based course for **students that have taken and passed Health Education**. A major focus of this class will be on advocacy and promotion of health and wellness with others but students will discuss and explore new health concepts and expand upon some topics previously introduced. Units and topics will include: wellness concepts; nutrition and how food choices relate to disease and other health problems; mental and emotional health including motivation, personality and learning styles; human sexuality and family life; substance use and abuse; consumer health including being an informed consumer; and environmental health and how the environmental impacts personal health.

Sports Psychology

1 Quarter

½ Credit Elective

This course will provide students with knowledge about psychological factors that affect performance in sports/athletics such as motivation, concentration, focus, confidence, anxiety, and relaxation. Students will also be introduced to mental skills that will enhance performance, make athletic participation more enjoyable, and learn skills that can be transferred to other aspects of their lives. Specific skills to be covered in this class will include: how to set measurable goals and strategies to achieve them, visualization and imagery techniques, leadership, team-building, and how to best cope with and overcome obstacles.

CPR, First Aid and Safety

1 Quarter

½ Credit Elective

CPR, First Aid, and Safety is a highly interactive activity-based course. Students in CPR, First Aid, and Safety will study and practice the techniques of CPR including AED, emergency first aid, and various safety topics including scene assessment and personal safety. Opportunity exists for all students to earn American Heart Association Heartsaver First Aid, CPR, AED certification. This course is not meant for students who have already taken the C.N.A. or E.M.T. course at the Mid-Maine Tech Center.

Fundamentals of Coaching

1 Quarter

½ Credit Elective

This is an introductory course to the fundamentals of coaching. Classes are structured to provide students with the basic knowledge and skills required to develop an effective coaching program and create a personal coaching philosophy. Students will compare and contrast and redefine their individual philosophies. Topics will include motivation, goal setting, organization, learning/teaching styles, team management, and the coach's responsibility to incorporate life lessons while teaching sport skills. Students will be using the National Federation of State High School Association (NFHSLearn.com) free courses to enhance their knowledge throughout this course.

WELLNESS - PHYSICAL EDUCATION

A quality physical education program keeps our students healthy through participation through the program, while teaching them the basic skills needed for future fitness, athletic, and health success. A student who is physically and mentally healthy is more likely to be prepared to meet the daily challenges of living in our society and is more likely to make appropriate choices about lifestyles. One credit of physical education is required for graduation from Lawrence High School. Students must take one quarter in Physical Education A and one quarter in Physical Education B or the equivalent with the participation with Physical Management.

Physical Education A Grades 9, 10, 11, 12 1 Quarter ½ Credit

This program promotes health and fitness for life with an emphasis on lifetime leisure activities. A wide variety of activities are offered to introduce students to a multitude of possibilities to promote healthful living while having fun. Physical Education A will be offered quarters one and four. Activities from the following may be taught, but aren't limited to: tennis, football, lacrosse, archery, softball, soccer, fly fishing, bocce, horseshoes, spikeball, volleyball and disc games. Physical fitness activities such as plyometrics, weight training, heart rate monitoring, fitness assessments, and fitness training and basic nutrition are covered in this class.

Physical Education B Grades 9, 10, 11, 12 1 Quarter ½ Credit

This program promotes health and fitness for life with an emphasis on lifetime leisure activities. A wide variety of activities are offered to introduce students to a multitude of possibilities to promote healthful living while having fun. Physical Education B will be offered in quarters two and three. Activities from the following may be taught, but are not limited to: snowshoeing, pickleball, badminton, basketball, volleyball, and group deinhbitizers/ice breaker games. Physical fitness activities such as plyometrics, weight training, yoga, pilates, intensity training, fitness assessments, and fitness training and basic nutrition are covered in this class.

Advanced Physical Education Grades 10, 11, 12 1 Quarter ½ Credit

This course will provide learning opportunities for students to further develop skills and knowledge related to fitness, physical competence, cognitive understanding and positive attitudes about physical activity that promote a healthy and physically active lifestyle. Students will acquire knowledge and skills in recreational, athletic and lifetime activities. The emphasis is on active participation, sportsmanship, teamwork, developing organizational skills and supporting reading and writing across the curriculum to enhance knowledge of nutritional understanding. Students taking this course must have previously completed Physical Education A and/or B.

Physical Management Grades 9, 10, 11, 12 1 Quarter ½ Credit

This alternate physical education A and B program, which is designed for students who desire to

participate in a weight reduction maintenance program and low impact aerobics. This course will emphasize the importance of wellness and seek to develop more effective ways to meet that goal through nutrition and physical exercise.

Physical Management II Grades 9, 10, 11, 12 1 Quarter ½ Credit

This is an alternative physical education course offered for students in grades 9-12, who have completed a physical education or a physical management introductory course. This course is designed for students who aspire to learn skills and proper practices focused on weight management to either maintain, lose, or gain body weight safely. Students will also be introduced to how an increase in physical activity is an important part of a weight management program. Students will learn the basic fundamentals of strength training, aerobic training, overall fitness training, and conditioning. Sustained physical activity is most helpful in the prevention of weight regain.

Strength and Conditioning Grades 9, 10, 11, 12 1 Quarter ½ Credit
Prerequisite: Must have either Physical Education A or B

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

WORLD LANGUAGES

Lawrence High School offers courses in foreign languages: French, Spanish and Irish. Why would a student from a small town in central Maine need to know a foreign language? The benefits of studying and knowing a foreign language are many and can have a positive effect on school performance and future success in work and life in the 21st century. Central Maine is just a part of the global community becoming smaller and smaller with new technologies and ease of travel.

Research has demonstrated:

- a positive correlation between studying a foreign language and improved SAT scores as well as improved grades in high school and college
- that scores increase with each additional year of foreign language studied

In their framework of essential skills, The Partnership for 21st Century Skills includes:

- global awareness (working with and understanding other nations and cultures) and
- effective communication in diverse environments (including multi-lingual)

As we prepare our students for the future we encourage them to study foreign languages for several semesters and to develop their language abilities as much as possible.

Mission Statement for Modern Languages

Language is communication. Modern language at Lawrence High School requires rigorous study of vocabulary and grammar; yet spelling, word order, agreement, tense, and vocabulary are only a means to an end. Our goal is to develop students who learn vocabulary and grammar to actively communicate in the target language.

Students must enroll in Novice Parts I and II in consecutive semesters. Students progress to the next level of language by demonstrating an acceptable level of language proficiency in reading, writing, listening, and speaking as determined by the Integrated Performance Assessments for those levels.

French I, Spanish I 1 Semester 1 Credit

This is the first of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. The necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to answer questions, write, and comprehend reading and listening selections on familiar topics about their daily life using memorized and practiced phrases. They will meet the expectations of the Novice Learner Range (Novice-Mid) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

French II, Spanish II 1 Semester 1 Credit

Prerequisite: Part I and achieving proficiency on the Integrated Performance Assessments for that level.

This is the second of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in Novice-Part 1, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to ask and answer questions, write, and comprehend reading and listening selections on familiar topics about their daily life using practiced phrases and short sentences. They will meet the expectations of the Novice Learner Range (Novice-Mid) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Spanish III /Dual Enrollment 1 Semester 1 Credit

Prerequisite: Spanish Part II and achieving proficiency on the Integrated Performance Assessments for that level.

This is the third of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing

activities as well as show comprehension in reading, listening and viewing. As in the Novice courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to carry on a conversation about familiar topics, express themselves in writing using connected sentences, and comprehend reading and listening selections on familiar topics. They will meet the expectations of the Intermediate Learner Range (Novice-High) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Spanish IV/ Dual Enrollment

1 Semester

1 Credit

Prerequisite: Spanish Part III and achieving proficiency on the Integrated Performance Assessments for that level.

This is the fourth of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in the previous courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to carry on longer conversations about familiar topics and personal interests, express themselves in writing using connected sentences, and comprehend reading and listening selections on a variety of familiar topics. They will meet the expectations of the Intermediate Learner Range (Intermediate-Low) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Honors Spanish V: Introduction to Spanish-English Translation

1 Semester

1 Credit

Prerequisites: Spanish 1, 2, 3 and 4 (Or permission from the instructor).

This course provides a fifth semester of Spanish for upper intermediate and advanced students of Spanish and introduces basic concepts in Spanish-English Translation. Grammar and language structures will be reinforced at an advanced level. Students will put their knowledge to use through practical exercises and meaningful translation projects and gain exposure to common professional outlets for language learners. Students will learn about the strategies and resources used by professional translators, interpreters, and other bilingual professionals, also gaining introductory knowledge of the field of Translation Studies. This course will offer insight into a range of possible career paths for those who wish to continue advancing in the language, and lay the foundation for those interested in studying World Languages at the college level.

Honors Spanish VI: Continuation of Spanish-English Translation

1 Semester

1 Credit

Prerequisites: Spanish Honors I

This course provides a sixth semester of Spanish for upper intermediate and advanced students of Spanish and continues concepts in Spanish-English Translation. Grammar and language structures will

be reinforced at an advanced level. Students will put their knowledge to use through practical exercises and meaningful translation projects and gain exposure to common professional outlets for language learners. Students will learn about the strategies and resources used by professional translators, interpreters, and other bilingual professionals, also gaining introductory knowledge of the field of Translation Studies. This course will offer insight into a range of possible career paths for those who wish to continue advancing in the language, and continues to lay the foundation for those interested in studying World Languages at the college level.

French III

1 Semester

1 Credit

Prerequisite: French Part II and achieving proficiency on the Integrated Performance Assessments for that level.

This is the third of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in the Novice courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to carry on a conversation about familiar topics, express themselves in writing using connected sentences, and comprehend reading and listening selections on familiar topics. They will meet the expectations of the Intermediate Learner Range (Novice-High) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

French IV

1 Semester

1 Credit

Prerequisite: French Part III and achieving proficiency on the Integrated Performance Assessments for that level.

This is the fourth of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in the previous courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to carry on longer conversations about familiar topics and personal interests, express themselves in writing using connected sentences, and comprehend reading and listening selections on a variety of familiar topics. They will meet the expectations of the Intermediate Learner Range (Intermediate-Low) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Honors French V

1 Semester

1 Credit

Prerequisite: French Part IV and achieving proficiency on the Integrated Performance Assessments for that level.

This is the fifth of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing

activities as well as show comprehension in reading, listening and viewing. As in the previous courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to carry on longer conversations about topics of personal interests, events and experiences; express themselves in writing using organized paragraphs in various time frames, and comprehend reading and listening selections on a variety of topics. They will meet the expectations of the Intermediate Learner Range (Intermediate-Mid) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Honors French VI

1 Semester

1 Credit

Prerequisite: Honors French Part I

This is the sixth of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in the previous courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Francophone, Germanic, and Hispanic countries. At the end of this course students will be able to carry on longer conversations about topics of personal interests, events and experiences; express themselves in writing using organized paragraphs in various time frames, and comprehend reading and listening selections on a variety of topics. They will meet the expectations of the Intermediate Learner Range (Intermediate-Mid) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Irish I

1 Semester

1 Credit

This introduction to the Irish language – *Gaeilge* – focuses on developing the communication skills necessary to communicate in Irish in everyday situations. Students will begin learning Irish greetings on day one of this class, and during this course we will learn how to discuss our backgrounds, families, homes, hobbies, daily lives, and talents. The primary focus is on spoken and written communication, with Irish grammar and vocabulary taught in the context of learning how to communicate. In addition to the Irish language, we also study the history and culture of Ireland and the Irish diaspora. This semester we will discuss the diverse ways in which Irish people have been connected to the wider world from 1169–1803. At the end of this course students will be able to answer questions, write, and comprehend reading and listening selections on familiar topics about their daily life using memorized and practiced phrases. They will meet the expectations of the Novice Learner Range (Novice- Mid) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Irish II

1 Semester

1 Credit

Prerequisite: Irish I

This introduction to the Irish language – *Gaeilge* – focuses on developing the communication skills

necessary to communicate in Irish in everyday situations. In this course we will learn how to discuss our working lives, food and drink, health, clothes and shopping, requests and commands, past events, travel, and plans. The primary focus is on spoken and written communication, with Irish grammar and vocabulary taught in the context of learning how to communicate. In addition to the Irish language, we also study the history and culture of Ireland and the Irish diaspora. This course will continue our ongoing discussion, from Irish I, of the diverse ways in which Irish people have been connected to the wider world from 1803–present. At the end of this course students will be able to answer questions, write, and comprehend reading and listening selections on familiar topics about their daily life using memorized and practiced phrases. They will meet the expectations of the Novice Learner Range (Novice-High) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Irish III 1 Semester 1 Credit
Prerequisite: Irish II

This is the third of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in the Novice courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Irish-speaking regions of Ireland. At the end of this course students will be able to carry on a conversation about familiar topics, express themselves in writing using connected sentences, and comprehend reading and listening selections on familiar topics. They will meet the expectations of the Intermediate Learner Range (Novice-High) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Irish IV 1 Semester 1 Credit
Prerequisite: Irish III

This is the fourth of a sequence of courses designed to develop proficient communication in a language other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in the previous courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Irish-speaking regions of Ireland. At the end of this course students will be able to carry on longer conversations about familiar topics and personal interests, express themselves in writing using connected sentences, and comprehend reading and listening selections on a variety of familiar topics. They will meet the expectations of the Intermediate Learner Range (Intermediate-Low) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

Irish V 1 Semester 1 Credit
Prerequisite: Irish IV

This is the fifth of a sequence of courses designed to develop proficient communication in a language

other than English. Students will be expected to use language effectively in speaking and writing activities as well as show comprehension in reading, listening and viewing. As in the previous courses, the necessary vocabulary and grammar are presented in thematic units that culminate in performance tasks that measure proficiency. The thematic units are tied to cultural aspects of the Irish-speaking regions of Ireland. At the end of this course students will be able to carry on longer conversations about familiar topics and personal interests, express themselves in writing using connected sentences, and comprehend reading and listening selections on a variety of familiar topics. They will meet the expectations of the Intermediate Learner Range (Intermediate-Low) on the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners.

OTHER ACADEMIC PROGRAMS

KVCC Welding Certificate Program

Lawrence High School has worked with KVCC to offer a Welding Certificate Program for students who are still in high school. This program provides industry based curriculum including SMAW, FCAW and GTAW processes, horizontal, vertical and overhead positions, Oxy-fuel cutting, Safety, Blueprint and Fabrication. This program prepares students for an entry-level position as a Welder.

This is a 26 credit program and is ideal for students interested in working directly after high school as a welder or for students who wish to continue into post-secondary programs.

Each semester, for two years, students will take 6 or 7 college credits along with their required high school classes. Dual enrollment allows students to earn high school and college credits simultaneously.

Junior Year: Sem 1

Technical Math
Standards
Welding 1
US History 1

Sem 2

Print Reading for Welders OSHA 30
Welding 1
English
Chemistry

Senior Year: Sem 1

Technical Writing
Welding 2
US History 2
Pers Finance/Elective

Sem 2

Metal Fabrication
Welding 2
Elective
Elective

Students will meet all graduation requirements from LHS and from KVCC. See your Guidance Counselor to discuss this program if you are interested.

KVCC Health Sciences Certificate Degree Program

Lawrence High School and KVCC have collaborated to develop a program that would allow our students to complete a Health Sciences Preparation Certificate Program while still in high school.

This 26 credit program is ideal for students who plan to pursue college majors in Biological Sciences including nursing and allied health occupations. While many of the health sciences courses are two year Associate programs at KVCC, they often extend beyond the two years. The Health Sciences Preparation Certificate Program includes the courses necessary for admission into the nursing program and includes classes that are required in Biological Science and Allied Health majors at KVCC.

Each semester, for two years, students would take 6 college credits. For 2 semesters, they would take 7 college credits. Dual enrollment allows students to earn high school and college credits simultaneously.

Junior year: Sem 1

College Composition
MAT 111
US History I
Honors Chemistry
Intro Health Professionals

Sem 2

Intro to Communication
Psychology
US History 2
Honors Chemis

Senior year: Sem 1

Biology 213
Humanities Elective
Pers Finance/Elective
Elective

Sem. 2

Bio 214
English
Health Science Elective
Health Science Elective

Students will meet all graduation requirements from LHS and from KVCC. See your guidance counselor about this program if you are interested.

Advanced Educational Programs

College level courses are available for some students at Colby and Thomas Colleges and the University of Maine at Augusta. Further information on these programs is available in the Guidance Office. Advanced Placement courses are also available and are described in the English, Social Studies, Science and Mathematics offerings.

Advanced Placement-Online:

1-2 semesters

1-2 Credits

Advanced Placement courses are offered to Lawrence students online through the AP4ME program. Maine licensed, highly qualified teachers who are experienced in distance education offer courses in

many subject areas. The courses are asynchronous, which means that students can attend class at any time; before, during or after the school day. While students have flexibility in determining their work pace, all course assignments have a firm due date. AP4ALL provides an opportunity for students to take challenging, year-long AP classes over the internet. All students are expected to take the AP exam in their subject area. Visit [AP4ME](#) to learn about the courses offered and the registration process.

Student Mentoring / Tutoring Program (Grades 11, 12 ONLY) 1 Quarter ½ Credit

The Student Mentoring Tutoring Program provides an opportunity for **students who are presently passing all their courses** to work with some younger or same age students in various grades and programs within the school system. This program provides some of the younger children with individualized attention in their studies and in their personal relationships with older people. The program will provide older students an opportunity to experience the career of teaching, to provide assistance and reinforcement to younger children in their learning activities, and to serve others in meaningful experiences. In order to give recognition to this program, elective credit may be earned through a tutoring contract between the student and the receiving teacher. The grade awarded in this class is a Pass/Fail status and will be determined by fulfilling the agreed upon contract. A genuine desire for the types of experiences that have been described is strongly recommended. **Students must have three other courses in addition to tutoring.**

Mid-Maine Technical Center

AM Block: 8:00 – 10:55

PM Block: 11:05– 2:00

Mid-Maine Technical Center is a regional career and technical education school that offers the students of Lawrence, Messalonskee, Waterville, and Winslow High Schools twenty-four Career and Technical Education Courses. Each technical program at Mid-Maine Technical Center has achieved National Program Certification or is using State Licensing Standards, which provides our students the opportunity to earn over forty industry recognized certifications. Students earn **5** credits for the year.

Students attend Mid-Maine Technical Center as part of their school day, while continuing to take academic courses at their high school. Enrollment is arranged through the high school guidance department at no cost to the student. Mid-Maine Technical Center courses are offered in two blocks, morning and afternoon.

MMTC Dual Enrollment Credits

Students can get a head start on their college education by enrolling in the Dual Enrollment program at MMTC. Formal agreements with colleges provide students an opportunity to begin building their college transcript by completing a MMTC program.

Mid-Maine Technical programs approved for college credits:

Central Maine Community College

Automotive Technology - 8 College Credits
Criminal Justice – 6 College Credits
Precision Machining – 4 College Credits
Information Technology - 9 College Credits

Eastern Maine Community College

Construction Technology – 10 College Credits
Culinary Arts – 3 College Credits
Electrical Technology – 3 College Credits

Kennebec Valley Community College

Information Technology - 6 College Credits
English Composition/Technical Writing
6 College Credits (Available to all MMTC Students)

Northern Maine Community College

Intro to Nursing - 3 College Credits

Southern Maine Community College

Mass Media Comm. - 6 College Credits
Emerg Medical Technician - 6 College Credits
Firefighter 1 & 2 - 6 College Credits

Husson University

Mass Media Comm. - 6 College Credits

Internships

Students who are advanced in their technical skills and who demonstrate professional workplace behavior can be eligible for internships with local businesses pending recommendation from their

MMTC instructor. Students would attend their internship once or twice a week during MMTC class time.

Mid-Maine Technical Center Course Options

AUTOMOTIVE TECHNOLOGY: Students use the latest technology to diagnose and repair automobile problems. Skills areas include automotive maintenance and light repair, brakes, steering, suspension, electrical, engine performance, and engine repair systems.

National Program Certification: ASE Student Certification

Student Certification: Maine State Inspection, ASE Maintenance and Light Repair, Student Brakes, Suspension & Steering, Electrical, Engine Performance

1st Year Students

Basic Maintenance
Brake Systems I
Electrical Fundamentals
Steering and Suspension I
Intro to Computer Control
Basic Drivetrain

2nd Year Students

Brake Systems II
Steering and Suspension II
Computer Control Systems
Electrical Systems
Engine Repair
Emission Systems

CONSTRUCTION TECHNOLOGY: Students develop the knowledge, skills, and applied learning experience to build a home and learn fine woodworking techniques. Students follow a nationally certified curriculum endorsed by CONTREN.

National Program Certification: National Center for Construction Education & Research (NCCER)

Student Certification: NCCER CONTREN Carpentry Core Curriculum, Level 1, OSHA 10 Hour Construction Industry Safety Card.

AM - Residential Construction

Blueprint Reading
Rough Framing
Masonry
Concrete form work
Exterior Finish
Painting & Staining
Drywall

PM - Finish Carpentry

Cabinet Installation
Interior door and trim installation
Custom moldings
Cabinet construction
Wood Manufacturing

CRIMINAL JUSTICE: Students will gain the knowledge and skills necessary to prepare them for a career in the field of law enforcement or to continue their education in a variety of criminal justice or legal related programs.

AM – Intro to Criminal Justice

Patrol Tactics
Judicial
Corrections
Law Enforcement Trends
Criminal Law
Constitutional Law

PM – Criminal Investigation

Criminal Investigation
Crime Scene Investigation
Steps to conducting an investigation
Managing a crime scene
Collecting criminal evidence

CTE ACADEMY: The CTE Academy provides 10th grade students instruction and training intended to prepare them for enrollment in one of Mid-Maine Technical Center’s Certified Technical programs. Students develop a core of technical knowledge and skills through participation in a variety of applied learning experiences. CTE Academy is a **2.5** credit course.

National Program Certification: National Center for Construction Education & Research (NCCER)
Student Certification: OSHA 10-hour General Industry Safety Card

AM - Waterville & Winslow Students

Students attend on alternate days for the entire school year

PM - Lawrence & Messalonskee Students

Students attend daily for one semester

CULINARY ARTS: Students gain skills and knowledge of food preparation for a career in commercial or institutional food service. Students cook for and operate an on-site café and catering service.

National Program Certification: American Culinary Federation Certified Secondary Program
Student Certification: American Culinary Federation Secondary Graduate, Serv-Safe Food Manager

AM – Food Preparation

Safety and Sanitation
Prepare Soups and Sauces
Prepare Baked Goods
Prepare Hot Food Recipes and Techniques
Prepare Cold Food Recipes and Techniques

PM – Restaurant Operations

Safety and Sanitation
Café Management and Operation
Customer Service
Plan Menus
Hot and Cold Food Preparations

EARLY CHILDHOOD EDUCATION: Students learn to provide safe and healthy care and developmentally appropriate educational experiences to children under the age of five. Students assist in the operation of the Mid-Maine Technical Center’s Preschool. This course prepares students for childcare careers and for continued education in early childhood education or related fields.

Program Accreditation: National Association for the Education of Young Children
Student Certification: American Red Cross First Aid & CPR, Certified Early Childhood Assistant.

AM – Child Care

Health, Safety and Nutrition
 Infant and Toddler Care
 CPR and First Aid
 Child Development
 Learning Environments for
 Toddlers/Infants

PM – Early Childhood Education

Health, Safety and Nutrition
 CPR and First Aid
 Preschool Curriculum
 Learning Environment for Preschool
 Guidance and Discipline Strategies
 Communication

ELECTRICAL TECHNOLOGY: Students will receive technical instruction in electrical theory, wiring methods, National Electrical Code, conduit bending, grounding and bonding, motor controls, transformers, service entrance calculations, blueprint reading, fire alarm, communications, generators, and photovoltaic systems in residential, commercial and some industrial settings. All instruction will be presented with the NEC and safety emphasized. The State of Maine required 576 hours of study will be covered and students are eligible to sit for the State of Maine Journeyman Electrician exam. After passing the exam and fulfilling the experience requirement, the student will be issued a Journeyman Electrician License.

National Program Certification: National Center for Construction Education & Research (NCCER), National Occupational Competency Testing Institute (NOCTI)

Student Certification: Maine Journeyman 576 hour coursework, Maine Electrical Helper’s License, 45-hour NEC Code Course, OSHA 10 hour certification.

AM – Residential Electricity

Wire Electrical Circuits
 Test Circuits with Meters
 Install Branch Circuits
 Install switches/receptacles

PM – Commercial Electricity

Electrical Motor Controls
 Commercial Wiring Practices
 Motor Theory
 Conduit Bending/Threading

EMERGENCY SERVICES: Students develop the knowledge and skills necessary to pursue careers in Emergency Services and Firefighting. The EMT Basic/Firefighting courses prepare students to take the National Registry EMT Basic / Firefighter I and II written and practical exams.

Program Certification: National Registry EMT, State Licensure-Maine EMS Maine Fire Training & Education

Student Certification: Emergency Medical Technician Basic (AM only), AHA First Aid & CPR (AM & PM), Firefighter I & II(PM only).

Emergency Services Daily Schedule:

AM - Firefighter	PM - Emergency Medical Technician
Emergency Responder	Emergency Responder
Department Organization / Structure Fire Behavior Science	Patient Assessment / Vital Signs
Structural Fire Attack	Anatomy and Physiology
Search and Rescue / Arson / Forensic Investigation	Respiratory / Cardiovascular
Hazmat	Medical Emergencies
Fundamentals of Firefighter Skills	Emergency Communications
Incident Command System	Traumatic Injuries
	Care and Transport of the Sick & Injured
	Incident Command System
	Medication Administration

INFORMATION TECHNOLOGY: Students learn how to build, upgrade, and service PC computers and maintain a local area computer network. Students are also introduced to Robotic Programming.

National Program Certification: CompTIA, and APPLE Authorized Support Tr Center

Student Certification: TestOut PC Pro, CompTIA, Strata, APPLE Certified Mac Technician

AM – IT Support Specialist

Learn about Computer Desktop and Laptop Hardware

Configure Computer Desktop and Laptop Hardware

Troubleshoot

Install and Configure Printers

Troubleshoot Handheld Devices

Operating Systems

Learn to Solder

Intro to Robotics (design and build)

PM- Apple Technician/APPDevelopment

Install Apple and Configure Hardware

Install Apple and Configure Software

Preventative Maintenance

Apple Certified Repair Center

Intro to Robotics (servos, sensors)

MASS MEDIA COMMUNICATIONS: Students produce short films, documentaries, marketing videos for area organizations, and news and sports journalism for a weekly online broadcast as they learn how to operate professional video cameras, editing software, and broadcast equipment. Their work is streamed live, watched on the web, screened in area movie theaters and in our partner schools.

Program Certification: Maine Association of Broadcasters, Visual Communication Using Adobe Premiere Pro, NewTek Tricaster Certified Operator.

AM - Videography/Multimedia Journalism

Learn Techniques to create video projects. Develop skills to write, shoot, and edit Video productions. Learn video and audio production techniques for social media Broadcast and the internet.

PM - Broadcasting and Multimedia Production

Work with Professional video cameras and digital audio equipment to produce multimedia productions that are streamed online or recorded and mixed for later distribution. Students learn a variety of techniques for shooting and editing video as well as recording and mixing audio to produce independent and team-driven multimedia projects.

OUTDOOR LEADERSHIP: The Outdoor Leadership & Natural Resource Management Program will prepare students for careers in the outdoor recreation and natural resources industries.

Student Certifications: Registered Maine Guide Licensure, Maine State Recreational Certifications, American Canoe Association, American Heart Association First Aid/CPR, Leave No Trace

AM - Outdoor Leadership

Registered Maine Guide Training (all specializations)
 Canoeing
 Whitewater Rafting
 Hunting
 Trapping
 Fishing, Camping, Snowmobile Safety
 ATV safety, Boating Safety
 Trap shooting, Leadership Training
 Land Navigation, Global Positioning Systems, GIS Mapping

PM - Forestry & Wildlife Mgt.

Forestry, Timber Harvesting/Logging
 Chainsaw Safety
 Firewood Operation
 Wildlife Habitat Management
 Fisheries Habitat Management
 Surveying and Cartography
 Pedology and Edaphology
 Environmental Sustainability

PRE-NURSING: Students learn the skills and acquire the training necessary to care for people who are ill or disabled. The Nurse Assisting course prepares students to take the State Certified Nursing Assistant Exam.

Program Certification: Maine Certified Nursing Assistant

Student Certifications: Maine Certified Nursing Assistant, American Heart Association, Healthcare Provider CPR, PSS, Mandated Reporter, Stop the Bleed Training.

AM & PM - Intro to Nursing

Basic Medical Knowledge
 Vital Signs
 Patient Care
 Nutritional Needs and Diet
 Medical Terminology
 Anatomy and Pathophysiology

Advanced CNA Internship

Expanded Clinical Skills
 Advanced Certifications
 On the Job Training
 Advanced CNA Knowledge

PRECISION MACHINING: Students learn how to manufacture metal parts using precision machining technology.

National Program Certification: National Institute for Metalworking Skills - NIMS

Student Certification: NIMS Machining Level I: Turning, Work-Layout & Measurement, Materials & Safety

AM – Machine Tool

Perform Precision Measuring
 Operate Drill Press
 Operate Lathe
 Operate Band Saw
 Operate Milling Machine

PM – Machinist Operations

Perform Part Inspection
 Operate Milling Machine
 Operate Surface Grinder
 Operate Lathe
 Intro to CNC Machining

Mid-Maine Technical Center Grading System

Mid-Maine Technical's grading system has established (2.0) two point zero and above as the level to receive a passing grade. The grading system requires the student to perform in the top twenty-five percent to better master the Technical Center's National Skill and State Licensing Standards. As a result of increasing student expectations, the letter grade of D is eliminated from the grading scale.

Letter grades are submitted quarterly to the High Schools to be included with the student's high school report card. Letter grades are based on a 4-point grading scale.

Lawrence High School Schedule Worksheet

7:30 Warning Bell

	Semester 1	Semester 2
Block 1 7:35 - 8:41		
Advisory 8:46 - 9:14		
Block 2 9:19 - 10:20		
Block 3 10:20 - 11:48 A lunch: 10:20 to 10:42 Class: 10:47 - 11:48 B lunch: 10:50 - 11:12 Class: 10:25 - 10:50 & 11:15 - 11:48 C lunch: 11:26 - 11:48 Class: 10:25 - 11:26 AM Vocational Students: 8:05 - 10:55 Return from MMTC Eat Lunch B PM Vocational Students: Eat Lunch A Study Lab: 10:42 - 11:05 11:05 Depart for MMTC <i>Vocational Students do not have a class at LHS during block 3.</i>		
Block 4 11:53 - 12:54		
Block 5 12:59 - 2:00		
Block X (courses outside the school day, ie. college classes.)		