

PROGRAM OF STUDIES 2025-2026



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KEARSARGE REGIONAL **SCHOOL DISTRICT**

Our Vision:

Inspiring learners, committing to community, contributing to a dynamic world

Our Mission:

We are seven towns, seven schools, and one district committed to partnering with families and community, to support and prepare learners who:

- Pursue academic excellence.
- Are caring, compassionate community members who support each other.
- Make positive contributions to the world and value diversity.
- Promote personal responsibility, accountability, and wellness.
- Value the collaborative process while maintaining a sense of self-advocacy.
- Celebrate creativity and embrace innovation.
- Are flexible, resilient, and embrace individual growth.

Revised 2022

TITLE IX - POLICY NOTIFICATION STATEMENT

It is the policy of Kearsarge Regional School District (KRSD) not to discriminate on the basis of sex, race, national origin, or color in its educational programs, activities, or employment policies as required by Title IX of the 1972 Educational Amendments. Inquiries regarding compliance with Title IX may be directed to: Mr. Michael Bessette, Assistant Superintendent of Schools, 114 Cougar Court, New London, NH 03257 (526-2051); or to the Director of the Office of Civil Rights, Department of Health, Education, and Welfare, Washington, DC 20201.

USDA NONDISCRIMINATION STATEMENT

For all other FNS nutrition assistance programs, State or local agencies, and their sub-recipients, must post the following Nondiscrimination Statement:

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, sex, disability, age, or reprisal or retaliation for prior civil rights activity in any program or activity conducted or funded by USDA.

Persons with disabilities who require alternative means of communication for program information (e.g. Braille, large print, audiotape, American Sign Language, etc.), should contact the Agency (State or local) where they applied for benefits. Individuals who are deaf, hard of hearing or have speech disabilities may contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

To file a program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, (AD-3027) found online at: http://www.ascr.usda.gov/complaint_filing_cust.html, and at any USDA office, or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by:

- (1) Mail: U.S. Department of Agriculture
Office of the Assistant Secretary for Civil Rights
1400 Independence Avenue, SW
Washington, D.C. 20250-9410;
 - (2) Fax: (202) 690-7442; or
 - (3) Email: program.intake@usda.gov.
- This institution is an equal opportunity provider.

RSA 193:1 and RSA 193:2

Every child between 6 and 18 years of age shall attend the public school within the district or a public school outside the district to which he is assigned or an approved private school during all the time the public schools are in session unless he has been excused from attending on the grounds that his physical or mental condition is such as to prevent his attendance or to make it undesirable. Every person having the custody of a child shall cause the child to attend such a school during the time the public schools are in session.

COURSE LEVELS AND OPTIONS

KRHS takes great pride in offering a rigorous curriculum that challenges its students. At Kearsarge, many opportunities exist for students to undertake additional academic challenges.

ADVANCED PLACEMENT COURSES (AP):

Advanced Placement or AP courses allow students to take college-level courses and exams in the high school setting. Students may be able to earn college credit and/or skip introductory college classes upon enrolling in college if they elect to take and pass the corresponding exam. Students who elect to take Advanced Placement courses should be aware that the classes have a nationally standardized curriculum.

Every student who takes an Advanced Placement class is strongly encouraged to complete the exam in May. Students may be responsible for the AP exam fee. **Students taking exams must choose to do so by the end of October.** Specific deadlines are outlined by the AP/College Board. Students that elect to take the exam after the deadline will be charged a \$40.00 late fee. Similarly, students that choose to cancel their exam after the deadline will be charged \$40.00 (per AP guidelines). The school will provide financial assistance to those students who cannot pay the exam fee.

COLLEGE PREPARATORY COURSES (CP):

Courses designated as College Preparatory (CP), are courses that prepare students for future success in a 4-year college/university program. These courses have rigorous academic standards and expectations for work that will help students develop the skills that will be needed at the college level or any post-secondary setting.

HONORS & HONORS DESIGNATION

An Honors and Honors Designation courses are options offered to all students who wish to pursue advanced academic studies in heterogeneously grouped courses. The student who chooses the honors designation is willing to engage in challenging educational experiences by going beyond the common core standards in the areas of critical thinking, analysis and application of content concepts. Further, their willingness to learn is manifested in a positive attitude and exemplary work habits. Students who accept the challenge that comes with an honors designation will read additional material (novels, articles, essays), write analytical essays, read primary documents, create lab reports that are five (5) to eight (8) pages in length, complete research essays, defend a thesis to a large group and perform a sustainability study. These students will also be assigned more rigorous summative assessments (including final and midterm exams), more ambitious projects and assignments, and they will have to perform at a higher level of mastery of competencies. For course-specific requirements, please contact the instructor.

Honors Designation will be recorded on the student's high school transcript. *Honors Designation will begin for students at the end of the eight (8) weeks of school.* Students must earn a minimum grade of "3.0" on their first progress report for the class, in order to enroll in honors designation and may not choose honors designation after the period in which the honors work has begun. Students that chose to drop an honors designation during any point will have the designation removed from their year-end course title and transcript. For course-specific requirements, please visit the KRHS website.

Honors Designation may be contracted in the following courses: English 9, English 10, French II, French III, French IV, Latin III, Latin IV, Spanish II, Spanish III, Spanish IV, Chorus, and Band.

EARLY COLLEGE (FORMERLY RUNNING START) (RS) - COURSES FOR COLLEGE CREDIT

The New Hampshire Early College at your High School is an educational initiative for high school students in collaboration with the Community College System of New Hampshire (CCSNH). This program provides students with an opportunity to enroll in specific college courses offered at their high school during the regular school day. Students who choose to enroll in the college course earn high school credit as well as college credit. College credit can be used at any of the community colleges in New Hampshire or sent to other colleges and universities for consideration of transfer. Students must pay a \$150 fee to NHCTC per course to enroll in the program. <https://www.ccsnh.edu/colleges-and-programs/programs-for-high-school-students-to-earn-college-credit/running-start/>

DUAL ENROLLMENT, FOR COLLEGE CREDIT

Eligible seniors at KRHS may enroll in courses at New England College and Dartmouth College at no expense. Eligible seniors may also take courses at Colby-Sawyer at a reduced rate. Students will earn college credit for these courses. In order to receive KRHS credit, college-level classes will be recorded as a letter grade and then reported on the student transcript. If a student chooses to audit or enroll in college courses for enrichment purposes only, no KRHS credit will be awarded, nor will the class be recorded on the transcript. Students are responsible for providing the appropriate documentation of credit and grades earned and submitting that information to their school counselor.

COURSE DESCRIPTIONS

ARTS EDUCATION

CULINARY ARTS

(FA173) ✦ BAKING BITES

0.5

Get a Taste (literally) of what it is like to work in a commercial bakery! You will learn the functions of ingredients, proper measuring, mixing and baking of various items such as quick breads, yeast breads, cookies, pies and cakes. ✦ *Meets fourth year of mathematics related course requirement.*

(FA270) ✦ BAKING AND PASTRY ARTS (RS)

0.5

Prerequisite Course: Baking Bites

Build on your knowledge from Baking Bites to further explore the industry through daily hands-on experience and sampling of your creations! You will make a variety of items including croissants, danish, bagels, eclairs, cakes and more. *Students also have the opportunity to earn college credits in "Bakery Production" that are transferable to many four-year colleges through Lakes Region Community College upon successful completion of the class (70% or higher). ✦ *Meets fourth year of mathematics related course requirement.*

(FA115) ✦ INTRODUCTION TO CULINARY ARTS (RS)

0.5

Learn how to cook! This course introduces a variety of cooking techniques through daily hands-on activities. Master different methods and prepare restaurant quality meals for yourself. Manage the Kearsarge Cafe to gain real-world restaurant experience and sample everything you create! *Students also have the opportunity to earn college credits in "Culinary Fundamentals" that are transferable to many four-year colleges through Lakes Region Community College upon successful completion of the two classes (70% or higher). ✦ *Meets fourth year of mathematics related course requirement.*

(FA268) ✦ CULINARY ARTS

0.5

Prerequisite Course: Intro to Culinary Arts

Apply your knowledge from Intro to Culinary Arts to explore American Regional and global cuisines. Delve deeper into different cultures, ingredients, flavors and traditional dishes. ✦ *Meets fourth year of mathematics related course requirement.*

(FA170) ✦ HOT AND COLD PLATED DESSERTS

0.5

Prerequisite Course: Baking Bites

Learn to create and plate high end restaurant quality desserts. Students will explore various components, flavor combinations and plating techniques through daily hands-on experience while getting to sample their delicious masterpieces! ✦ *Meets fourth year of mathematics related course requirement.*

DIGITAL AND GRAPHIC ARTS

(FA162) * DIGITAL PHOTOGRAPHY

0.5

Photography has entered the digital age. This class will focus on looking through the lens of the camera more creatively. Students will learn technical skills in photo enhancement, editing, cropping, manipulation, composition, presentation and organization through the use of digital cameras and computer software. The assignments each week will explore a new theme or focus as well as experiment with different subject matter. This class will encourage and expand the student's creativity through photography and Adobe Photoshop.

(FA402) * DOCUMENTARY FILMMAKING

0.5

In this course, students will explore every aspect of the filmmaking process and industry. From camera operation, sound design, editing, directing, writing, and much more, students will learn how to create compelling stories that evoke emotions, thoughts, and questions while working on individual, small groups, and then a full class film to demonstrate their growth and learning.

(FA138) * GRAPHIC ARTS

0.5

Do you like to use digital media to make art and design or do you want to learn how? This course is designed to introduce and apply principles of good design in order to effectively communicate with others in our digital world. Students will explore creative techniques and solutions to design problems through a variety of media, as well as explore electronic design through learning basic computer skills and effects for digitized graphics and software.

(FA239) * ADVANCED GRAPHIC DESIGN**0.5**

Prerequisite: Graphic Arts

This course will further develop students' visual design skills through a variety of techniques. Students will be given a multitude of design tasks to create a digital arts portfolio. Students will have the opportunity to design in their areas of interest as well as work within the school and community. Design tasks may include the creation of digital illustrations, logo designs, web sites, photo manipulations, page layout, typography, digital painting and more. Students will learn to use software (programs, online art storage, digital art sharing sites) and hardware (digital drawing tablets, styluses, computers, cameras, printers) to bring their ideas to completion.

(FCS112) * INTERIOR DECORATING AND DESIGN**0.5**

Discover your creative side! This course gives students the opportunity to learn about the various components of interior decorating, specifically how to apply the elements and principles of design to create attractive, functional living spaces as well as master techniques for making a room appear larger, brighter or cozier. Create functional and decorative accessories that will pull a room together. Depending on student interest, additional topics such as architecture, reading blueprints, effective lighting and furniture design will be incorporated. This course is project based.

(FA133) * YEARBOOK**1.0**

This is a yearlong course designed to create, publish and distribute the school's annual yearbook. Students in this course are required to learn basic elements of design, layout and photography. They will become familiar with the Adobe InDesign CS program and Photoshop programs. Students learn techniques of selling advertisements to both the business community and to senior parents. Students will create layouts and complete pages of the yearbook and distribute the yearbook to the school population.

MUSICAL ARTS

(FA155) BAND**1.0****(FA217) BAND and CHORUS (simultaneous enrolled, rotating)****1.0**

The Kearsarge Regional High School Band is a performing organization open to all students who play a wind or percussion instrument, meet the minimum performance requirements of the band and are willing to commit themselves to disciplined practice for the improvement of their performing ability and that of the whole band. Students will have an opportunity to perform a variety of band music, in many different styles, historical to modern, and classical to popular. The band will perform publicly several times during the school year including parades and concerts for the school and for the public. Sectionals will be offered on a regular basis to enhance playing ability and technique. Participation in scheduled performances is mandatory.

(FA154) CHORUS**1.0****(FA217) BAND and CHORUS (simultaneous enrolled, rotating)****1.0**

The Kearsarge Regional High School Chorus is a performing group open to all students who desire to sing in the chorus, meet the minimum performance requirements and are willing to commit themselves to disciplined practice. Singing in the chorus will give the students the opportunity to express themselves musically while improving their skills in reading and interpreting music, and developing proper techniques of voice placement, diction and choral tone. The chorus will sing music both sacred and secular, from the 14th century to the present, in a wide variety of styles. Sectionals will be offered on a weekly basis for all chorus members. The chorus will perform publicly several times during the year for the school and for the public. Participation in scheduled performances is mandatory.

(FA272) THE ART OF MUSIC**0.5**

The Art of Music is a semester-long collaborative class. Students enrolled in this class have the unique opportunity to connect performing arts and visual arts in a fun and collaborative way. This course is meant to not only connect art and music, but KRHS's gateway program with the larger makeup of our student body. General Education students enrolled in this class will be creating music and art alongside and partnered with gateway students.

(FA113) GUITAR**0.5**

This course is designed for the beginner guitar player; no previous experience is necessary. Students will learn how to read basic music notation and the corresponding notes in first position, fundamental chords, strumming patterns, picking patterns and introductory music theory. There are a limited number of acoustic guitars available to loan to students on an as needed basis. It is preferred that students supply their own guitar.

(FA112) HISTORY OF ROCK & ROLL**0.5**

This course will examine the many historical aspects and influences of the genre. Students will explore technological and societal influences on the art form as well as the different eras of music and will include a critical listening component.

(FA271) MODERN BAND**0.5**

Modern band integrates instrumental, vocal, and digital-centric instruction. Students in modern band classes learn to play, perform, improvise, arrange, and compose using genres they already know and love. Modern band repertoire is student-driven and draws

from rap, rock, pop, Latin, R&B, and other popular styles as they emerge. Students will learn how to play the Piano, Bass, Guitar, and Drums. This class is open to all levels of players from beginners through advanced.

(FA210) MUSIC THEORY I

0.5

Music theory is the study of construction of music both aurally and visually. The following topics will be covered: staves, clefs, intervals, major scales, key signatures, minor scales, triads, chords, rhythm, note values, time signatures, ear training and diction.

(FA211) * MUSIC THEORY II

0.5

Music theory is the study of construction of music both aurally and visually. The following topics will be covered: vocal ranges, four part voice leading, four part writing, inversions, non harmonic tones, transpositions, orchestrations, conducting, computer skills, ear training and diction. Students must have completed Music Theory 1 to enroll in this class. This course fulfills the 0.5 required credit in Advanced Digital Literacy. **Prerequisite:** Students must have successfully completed Music Theory I (FA210) prior to taking this course.

STUDIO ARTS

(FA216) ADVANCED OPEN STUDIO

1.0

(FA269) 2-D ART & PORTFOLIO DESIGN (AP)

1.0

This course offers students a unique opportunity to explore their craft. It is ideal for students who would like to pursue a career in the arts, or are looking for a level three art class. Students will be given projects to further their skills, techniques and critical thinking. Students will be required to prepare a portfolio with a variety of pieces over the course of the school year. Students will explore a variety of media and techniques and continue to develop their art style. Students will also be exposed to class critiques to further enhance their understanding of their art and the art around them. Recommendations: Juniors or seniors who have successfully completed three art / graphic design courses with a grade of 3.5 or better.

(FA267) ART HISTORY (AP) - not offered 2025-2026

1.0

Students will prepare for the AP Art History exam by examining, comparing and creating artworks to delve into their meanings and techniques. The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history. AP Art History is designed to be the equivalent of a two-semester introductory college or university art history survey course. There are no prerequisites for AP Art History. Students who have been successful in humanities courses, such as history and literature, or in studio art courses are especially encouraged to enroll since those experiences will likely support and enrich the context of the art history course.

(FA246) CERAMICS

0.5

This is a course in three-dimensional art. Students will be given a variety of challenges to create three-dimensional artwork in a variety of materials: clay, wire, glass, plaster, etc. Students will explore a variety of topics, exercises and processes in each individual medium. Students will learn how to work with clay using the basic hand building techniques of pinch, coil, extruded and slab ceramics as well as the potter's wheel. While there are required techniques to learn, students will have enough freedom to express their individual style. Each student will have the opportunity to exhibit his/her work and will be graded on the quality, effort, topic/theme and technique of work.

(FA245) CERAMICS II

0.5

This is a semester based course that may be repeated and is only offered to students who have completed Ceramics I. Students taking this course will have the opportunity to build their technical skills and creative voice. Students will be required to keep a sketchbook with detailed notes on design and glaze choices. Students will create a body of work throughout the year that challenges them and offers them opportunity to learn new techniques such as Sgraffito, Wax Resist, Water Etching, and the possibility to explore alternative firing methods. Students will participate in class critiques, where they will be required to speak on behalf of their own and their peers work. Prerequisite: Students must have successfully completed Ceramics I with a 3.5 or higher, or have been approved through portfolio review by the teacher.

(FA123) DRAWING

0.5

This course focuses on developing fundamental drawing skills. Form and composition will be taught through exercise based on the elements of art and principles of design. This course explores various drawing media, techniques, and compositional elements with special emphasis on portrait and life drawing. Students will be learning about artistic behaviors and there will be a high level of focus placed on process. Students will participate in class critiques, where they will both speak to the topic/theme of their own work and that of their classmates,

(FA244) DRAWING II

0.5

This course focuses on offering a higher level of creative freedom and direction in projects, while continuing to build drawing skills and techniques. Students will be heavily focusing on idea development and the critical thinking that goes into creating. Students will participate in class critiques and/or artist statements with each project completed.

Prerequisite: Students must have successfully completed Drawing I with a 3.0 or higher, or have been approved through portfolio review.

(FA122) INTRODUCTION TO ART

0.5

This course is open to all students who would like to learn the basic elements of design in two-dimensional and three-dimensional art. Students will be exposed to a series of exercises and learn a variety of techniques with an array of mediums. Students will also be taught to analyze and view their art as an artist through the critique process. There will be numerous opportunities to explore a variety of media and techniques to express their ideas and explore mediums. Students will have the opportunity to learn basic drawing skills and three-dimensional basics through a variety of projects and exercises. Composition and critiques will help students develop strong analytical skills.

(FA124) PAINTING

0.5

This course focuses on developing fundamental painting skills. Basic concepts of form and composition will be taught through exercises based on the basic elements and principles of art. This course contains large projects, critiques and sketching assignments. Painting mediums used in this class will be watercolor, acrylic, and oils. Students will learn color theory, composition and techniques through a wide variety of projects. This course explores various painting mediums, techniques, and compositional elements with special emphasis on portrait and life painting. Recommended: Students have successfully completed Introduction to Art or Drawing.

(FA243) PAINTING II

0.5

This course focuses on developing the artist's voice, style, message, and technical skillset. Students will be offered a higher level of creative freedom within works, while being held to a higher technical understanding. Students will be heavily focusing on idea development and the critical thinking that goes into creating. Students will participate in class critiques and/or artist statements with each project completed.

Prerequisite: Students must have successfully completed Painting I with a 3.0 or higher, or have been approved through portfolio review.

(FA266) PRINTMAKING - *not offered 2025-2026*

0.5

This course is open to students who have successfully completed Drawing or Intro to Art. Students will have opportunities to learn a variety of printmaking techniques including screen printing, linocut, and monoprinting to make reproducible designs on paper and fabrics. Learn the processes using water-based inks and incorporate other media to create unique and creative artworks. Students will establish a portfolio of prints, stencils and cut linoleum.

(FCS113) TEXTILES - *not offered 2025-2026*

0.5

This course is open to all students and will build skills in fiber arts, including techniques to manipulate leather. Basic properties of fabrics and fibers will be connected to elements of art and design. Students will work through the artistic process to design, create and critique their own and others artwork. Students will have opportunities to build skills in weaving, yarn arts and hand sewing techniques to build a collection of artistic and usable pieces.

(FA242) JEWELRY

0.5

Jewelry is a metal-smith semester-long course using silver, brass, copper, semi-precious stones and a wide variety of other materials to create jewelry. Techniques include fabricating, soldering, stone setting, and coiling as well as some surface techniques. The focus will be on jewelry designs, materials, methods, techniques and current and historical references. Peer critiques will help students develop critical thinking skills. No prerequisite required.

(FA272) THE ART OF MUSIC (semester)

0.5

The Art of Music is a semester-long collaborative class. Students enrolled in this class have the unique opportunity to connect performing arts and visual arts in a fun and collaborative way. This course is meant to not only connect art and music, but KRHS's gateway program with the larger makeup of our student body. General Education students enrolled in this class will be creating music and art alongside and partnered with gateway students.

THEATER ARTS

(DR111) INTRO TO THEATER

0.5

This course will investigate the artistic questions: What does it mean to take action in a situation? How do we communicate ideas and directions effectively? Developing an understanding of diverse performance and training philosophies to facilitate a personal understanding of the craft of theatre. Students will be encouraged to be creative and experimental, to discover their voice, and to express it in new and challenging ways. The foundation of Theatre I is to explore various theatres, and develop communication through collaboration with each other. Students will work together to present a final project. No theatre experience is required.

(ST115)*🎭 PRODUCTION AND DESIGN

0.5

This semester-long course covers the fundamentals of the process of designing for the theatre; developing the design from the initial script study through the collaborative process in rehearsal and into the theatre. Students will have the opportunity to design, build and place a set for the theatre productions throughout the school year. This will include proper lighting, color scheme, visual effects,

and creating illusions to be presented on stage. Students will be able to see their work in a real world setting from start to finish. This course can be taken more than once.

BUSINESS

(BU107) * ACCOUNTING I - *not offered 2025-2026*

0.5

This semester-long class is an introduction to accounting principles and procedures covering the accounting cycle, accounting for service and merchandising businesses, special journals, control over cash, receivables and inventories. The college textbook and syllabus will be used. This class is strongly recommended for students who plan to pursue a business program in college. * Meets fourth year of mathematics-related course requirement. **Open to:** Grades 10 through 12.

(BU108) * ACCOUNTING II - *not offered 2025-2026*

0.5

Accounting II is a semester-long class and a continuation of the fundamentals of accounting concepts and procedures covered in Accounting I. The following topics will be covered: depreciation, payroll, notes payable, bonds, partnerships and corporations. * Meets fourth year of mathematics related course requirement. **Prerequisite:** Successful completion of Accounting I.

(BU102) * PRINCIPLES OF BUSINESS MANAGEMENT - *not offered 2025-2026*

0.5

This class will introduce students to the concept of entrepreneurship and explore it as a career path worthy of consideration. Upon completion of the course, students will have a complete business plan for an enterprise they might wish to start. This project-oriented course will cover such topics as: business philosophy and ethics, analysis of markets and competitors, planning all aspects of a new enterprise, marketing products and services, pricing, advertising and sales promotion, financing a business and the outlook for entrepreneurship. Students will create a small business of their own choosing. * Meets fourth year of mathematics-related course requirement. **Recommendation:** Juniors and seniors, successful completion of Algebra I and teacher recommendation.

COMPUTER SCIENCE

(ST102) * * COMPUTER SCIENCE PRINCIPLES (AP) - *not offered 2025-2026* **(Rotates w/ Computer Science A (AP))**

1.0

The AP Computer Science Principles course is a full year, introductory course designed to be equivalent to an introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world. This course meets every other year and rotates with Computer Science A. * Meets fourth year of mathematics related course requirement.

(ST104) * * COMPUTER SCIENCE A (AP) **(Rotates w/ Computer Science Principles AP)**

1.0

AP Computer Science A is for students with familiarity in computer science and is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. **Game Programming or Computer Science experience strongly recommended.** * Meets fourth year of mathematics related course requirement.

(ST108) * * GAME PROGRAMMING

0.5

This is a basic computer-programming course and will center on designing and building small text driven games using the Python programming language. The course will also introduce graphical applications and show how the skills learned can be applied to modern games. No previous programming experience is required. * Meets fourth year of mathematics related course requirement.

DIGITAL LITERACY

Courses within the program of studies that are eligible for for an advanced digital literacy credit are denoted with an asterisks (*)

If a student has not met the K-8 DIGITAL LITERACY requirements, the digital portfolio will be completed in grade nine, or a second digital literacy credit will be required.

See course descriptions throughout the Program of Studies.

(FA239) * ADVANCED GRAPHIC DESIGN Prerequisite: Graphic Arts	0.5
(ST102) * ☼ COMPUTER SCIENCE PRINCIPLES (AP) - <i>not offered 2025-2026</i> (Rotates w/ Computer Science A (AP))	1.0
(ST104) * ☼ COMPUTER SCIENCE A (AP) (Rotates w/ Computer Science Principles AP) Game Programming or Computer Science experience strongly recommended.	1.0
(FA162) * DIGITAL PHOTOGRAPHY	0.5
(FA402) * DOCUMENTARY FILMMAKING	0.5
(SC151) * ☼ ENVIRONMENTAL MAPPING (CP) <i>Recommendation: Successful completion of Biology with a 3.0 or higher.</i>	0.5
(ST106) * ☼ FUNDAMENTALS OF ENGINEERING	0.5
(FA138) * GRAPHIC ARTS	0.5
(ST108) * ☼ GAME PROGRAMMING	1.0
(FCS112) * INTERIOR DECORATING AND DESIGN	0.5
(ST????) ☼ KIT CAR BUILDING	
(FA211) * MUSIC THEORY II <i>Prerequisite: Students must have successfully completed Music Theory I (FA210) prior to taking this course.</i>	0.5
(ST110) * ☼ MODERN MANUFACTURING	0.5
(ST116) * ☼ MODERN MANUFACTURING II	0.5
(ST115) * ☼ PRODUCTION AND DESIGN	0.5
(ST112) * ☼ ROBOTICS I	0.5
(ST114) * ☼ ROBOTICS II	0.5
(ST100) * ☼ THREE DIMENSIONAL MODELING AND PRINTING <i>Recommendation: Concurrent enrollment in college preparatory mathematics.</i>	0.5
(FA133) * YEARBOOK <i>Prerequisites: Successful completion of English 9 and at least one Studio or Graphics Arts course</i>	1.0

ENGINEERING AND TECHNOLOGIES

ENGINEERING TECHNOLOGY

(ST106) * ⚙ FUNDAMENTALS OF ENGINEERING

0.5

Fundamentals of Engineering is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem solving skills involved in postsecondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hands-on problem-solving activities what engineering is all about and to answer the question, "Is a career in engineering or engineering technology for me?"

⚙ Meets fourth year of mathematics related course requirement.

(ST110) * ⚙ MODERN MANUFACTURING

0.5

A capstone course that combines engineering, woodworking, CNC, 3D printing, Vinyl cutting, and electronics. This course will be co-taught to offer students a wide variety of inquiry options throughout the semester. Students will develop their own concepts, designs and follow projects from the design process to a final product. The course will engage students in the creative aspects of multiple fields by allowing them to develop skills based on their level of interest. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems. ⚙ Meets fourth year of mathematics related course requirement.

(ST116) * ⚙ MODERN MANUFACTURING II

0.5

This class will be an extension of Modern manufacturing and will consist of advanced manufacturing techniques and hands on CNC operation. Prerequisites: Modern Manufacturing or Permission of instructor

(ST112) * ⚙ ROBOTICS I

0.5

This is a course that offers an overview of robotics. The class will discuss robotics ethics and the three components that make up robotic systems. These three components are mechanical, electronic and control. The class will discuss theory and students will build projects to demonstrate an understanding of the concepts covered. No prior knowledge of robotics is required. ⚙ Meets fourth year of mathematics related course requirement.

(ST114) * ⚙ ROBOTICS II

0.5

This course offers advanced concepts in the field of robotics. The class will focus on digital electronics and programming. The students will discuss advanced topics and build projects that show understanding of the concepts covered. During the course the students will build and modify an actual robot. Robotics I is recommended, but not required. ⚙ Meets fourth year of mathematics related course requirement.

(ST100) * ⚙ THREE DIMENSIONAL MODELING AND PRINTING

0.5

This is an introductory course which develops student problem solving skills with emphasis placed on the concept of developing a 3-D model and then producing the model on a 3D printer. Students focus on the application of visualization processes and tools provided by modern, state-of-the-art computer hardware and software (Autodesk Inventor). This modern computer-based process replaces the traditional hand drawing methods. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated using a computer aided design system and rapid prototyping technology. Various design applications will be explored with discussion of possible career opportunities. This course fulfills Family and Consumer Science standards for design. **Recommendation:** Concurrent enrollment in college preparatory mathematics. ⚙ Meets fourth year of mathematics related course requirement

INDUSTRIAL TECHNOLOGY

(FA163) ⚙ BUILDING AND DESIGN

0.5

This class will explore the building and design process. Students should be self-directed and have an interest in the building and manufacturing industry. This is a project-based class that will engage students in one large group project involving building sheds. Students will also be working on smaller individual projects throughout the semester. Students will be held to strict deadlines and be required to work both independently and collaboratively on multiple aspects of each project. In this class students will be exposed to the following machines/equipment: handheld power tools, table saws, air powered nail guns, lathes, and more. **Recommendation:** Introduction to Woodworking and/or grades 10-12 only.

(FA164) ⚙ EXPLORING THE TRADES

0.5

This is an introductory course for students to explore some of the basic components of home improvement and repair. Through the project method students will learn the basics of plumbing and heating, electrical, carpentry, masonry, tile and plaster, painting, door, window and screen repair as well as other common home repairs. Along with the skills to perform improvements and repair, safety,

work ethic, self-sufficiency, critical thinking and frugality will be emphasized during the course. ⚙️ *Meets fourth year of mathematics related course requirement. **Recommendation:** Introduction to Woodworking and/or grades 10-12 only.*

(FA135) ⚙️ INTRODUCTION TO WOODWORKING

0.5

This is an exploratory course for the beginning woodworker to introduce students to general woodworking practices. Students will expand their knowledge and experience through various projects, lessons, and vocabulary. Students will be expected to learn about and safely use hand tools, power tools, and woodworking machinery. The projects are designed to give students as much experience as possible by using many different machines and tools. The projects will also cover as many aspects of the building and woodworking industries as is possible in an entry level course.

(ST120) ⚙️ KIT CAR BUILDING (semester)

0.5

This hands-on course is designed for automotive enthusiasts who are eager to build their own kit car from the ground up. Participants will learn the essential skills needed to assemble a kit car, including understanding the various components, tools, and techniques required for construction. Throughout the course, students will work through the stages of building a custom car, from frame assembly and drivetrain installation to bodywork and final adjustments. Students may take both semesters of this course.

(ST110) *⚙️ MODERN MANUFACTURING

0.5

A course that combines engineering, and electronics. This course will be co-taught to offer students a wide variety of inquiry options throughout the semester. Students will develop their own concepts, designs and follow projects from the design process to a final product. The course will engage students in the creative aspects of multiple fields by allowing them to develop skills based on their level of interest. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems.

⚙️ *Meets fourth year of mathematics related course requirement.*

(ST116) *⚙️ MODERN MANUFACTURING II

0.5

This class will be an extension of Modern manufacturing and will consist of advanced manufacturing techniques and hands on CNC operation. Prerequisites: Modern Manufacturing or Permission of instructor

(ST115) *⚙️ PRODUCTION AND DESIGN

0.5

This semester-long course covers the fundamentals of the process of designing for the theatre; developing the design from the initial script study through the collaborative process in rehearsal and into the theatre. Students will have the opportunity to design, build and place a set for the theatre productions throughout the school year. This will include proper lighting, color scheme, visual effects, and creating illusions to be presented on stage. Students will be able to see their work in a real world setting from start to finish. This course can be taken more than once.

ENGLISH

Recommended Pathways

	Advanced Placement English Pathway	4-Year College or University Pathway, non-AP Pathway	2 year College or Career/Technical School Pathway
Grade 9	English 9 or English 9 Honors	English 9 or English 9 Honors	English 9 General, English 9 or English 9 Honors
Grade 10	Writing and American Literature Or Writing and American Literature Honors	Writing and American Literature Or Writing and American Literature Honors	Writing and American Literature General, Writing and American Literature Or Writing and American Literature Honors
Grade 11	Two - 0.5 credit Literature courses and College Composition	Two - 0.5 credit CP Level Literature courses	Two - 0.5 credit Literature courses
Grade 12	Literature AP	0.5 credit CP Level Literature course and College Composition or CP Level English elective Note: College Composition is strongly recommended	0.5 credit literature course and either English elective or 0.5 credit literature

(EN188) ENGLISH 9 GENERAL

1.0

This required course stresses skills in reading, writing, speaking and listening, and language. This course will be approached through both small and large group discussions, large group presentations, and individual work. An overview of the more common literary genres will be offered. Grammar and usage will be taught primarily through writing and instruction. **Prerequisite:** Prior English teacher recommendation.

(EN100) ENGLISH 9

1.0

This required course stresses skills in reading, writing, speaking and listening, and language. This course will be approached through both small and large group discussions, large group presentations, and individual work. An overview of the more common literary genres will be offered. Grammar and usage will be taught primarily through writing and instruction. Frequent journal entries and homework will be required in each competency.

(EN220) ENGLISH 9 HONORS

1.0

This required course stresses skills in reading, writing, speaking and listening, and language. This course will be approached through both small and large group discussions, large group presentations, and individual work. An overview of the more common literary genres will be offered. Grammar and usage will be taught primarily through writing and instruction. Frequent journal entries and homework will be required in each competency. **Prerequisite:** Prior English teacher recommendation.

(EN221) WRITING AND AMERICAN LITERATURE GENERAL

Writing and American Literature is required for grade ten students. Half of the year will focus on writing essays in a variety of forms. Students will focus on the basic requirements of writing as well as study the mechanics and fundamentals of writing sentences, paragraphs and short papers. Emphasis will be on the organization of ideas and development of the writing process. Some work on grammar, punctuation, diction and usage will be included. The second half of the course is designed to introduce students to essential themes of the American experience. The course focuses on understanding, analyzing and synthesizing the literary movements that have helped shape and define America. In seeking to define American character and the American dream, students will explore and develop an understanding of the role literature has had for our nation's ideals, institutions and collective experiences. **Prerequisite:** Successful completion of English 9 General.

(EN222) WRITING AND AMERICAN LITERATURE CP

1.0

Writing and American Literature is required for grade ten students. Half of the year will focus on writing essays in a variety of forms, including literary and media critiques. Students will focus on the basic requirements of descriptive, narrative and expository writing as well as study the mechanics and fundamentals of writing sentences, paragraphs and short papers. Emphasis will be on the organization of ideas and development of the writing process. Some work on grammar, punctuation, diction and usage will be included. The second half of the course is designed to introduce students to essential themes of the American experience. The course focuses on understanding, analyzing and synthesizing the literary movements that have helped shape and define America. In seeking

to define American character and the American dream, students will explore and develop an understanding of the role literature has had for our nation's ideals, institutions and collective experiences. **Prerequisite:** Successful completion of English 9.

(EN223) WRITING AND AMERICAN LITERATURE HONORS

1.0

Writing and American Literature is required for grade ten students. Half of the year will focus on writing essays in a variety of forms, including literary and media critiques. Students will focus on the basic requirements of descriptive, narrative and expository writing as well as study the mechanics and fundamentals of writing sentences, paragraphs and short papers. Emphasis will be on the organization of ideas and development of the writing process. Work on grammar, punctuation, diction and usage will be included. The second half of the course is designed to introduce students to essential themes of the American experience. The course focuses on understanding, analyzing and synthesizing the literary movements that have helped shape and define America. In seeking to define American character and the American dream, students will explore and develop an understanding of the role literature has had for our nation's ideals, institutions and collective experiences. **Prerequisite:** Successful completion of English 9 Honors and prior English teacher recommendation.

Required Writing Course Options for Grade Eleven

(EN102) COMPOSITION AND CRITIQUE

0.5

The course focuses on writing essays in a variety of forms. Students will focus on the basic requirements of descriptive, narrative, informative, argumentative and research-based writing as well as study the mechanics and fundamentals of writing sentences, paragraphs and short papers. Emphasis will be on the organization of ideas, use of supporting details and development of the writing process. Work on grammar, punctuation, fiction, and usage will be included. **Recommendation:** Prior English teacher recommendation.

(EN103) LITERARY COMPOSITION AND CRITIQUE (CP)

0.5

The course will focus on writing essays in a variety of forms, including literary and media critiques. Students will focus on the basic requirements of descriptive, narrative and expository writing as well as study the mechanics and fundamentals of writing sentences, paragraphs and short papers. Emphasis will be on the organization of ideas and development of the writing process. Some work on grammar, punctuation, diction and usage will be included. Challenging reading selections will be included and sophisticated writing will be expected. **Recommendation:** Prior English teacher recommendation.

Required Literature Course Options

(EN116) AFRICAN AMERICAN LITERATURE (CP)

0.5

This course includes reading and discussion of drama, poetry, fiction and autobiographies by African Americans. Writers include Douglass, Dunbar, Hughes, Cullen, Morrison and Gaines. Requirements include 25-30 pages of reading between classes, formal analytical papers, participation in class discussion and individual and group research presentations.

(EN119) BRITISH LITERATURE (CP)

0.5

British Literature takes students on a tour of British literary movements and authors from the Early Epics through Postmodernism. While the readings are varied, authors that will be covered may include Chaucer, Shakespeare, Swift, Blake, Byron, Carroll, Doyle, Kipling, Joyce, Woolf and McEwan. The reading is rigorous and assignments will include 20-30 pages per night. Assignments include participation in discussions, tests, researching and writing, including literary analysis.

(EN224) MYSTERY AND ADVENTURE

0.5

This course will involve a study of adventure fiction and non-fiction, and the mystery, detective, and horror genres, including short stories, plays, novels, poetry, and film. Readings may include: Robert Cormier's *The Rag and Bone Shop*, Roland Smith's *Elephant Run*. Students will be required to read and complete homework assignments outside of class. They will also be expected to read and write in class and to contribute regularly to class discussion.

(EN114) CLASSICAL WORLD LITERATURE (CP)

0.5

This course is a study of classical literature in translation with an emphasis on epic poetry, Greek and Roman drama, the Bible and classical literature from other cultures. Reading materials are challenging and will average 20-25 pages. At least one major research project and multiple class presentations, along with multiple major papers and essay tests will be required of all students.

(EN123) ENGLISH LITERATURE (AP)

1.0

This is a full year, college-level literature course designed to develop independent thought through avid critical inquiry, to enhance writing skills through frequent, challenging assignments and to create a committed, focused, collaborative community of learners. Students will be expected to become discerning readers of a variety of texts, to be attentive to the nuances of language, voice and style in literature, to develop independent interpretations and to express their thinking in rigorous writing assignments, discussions and presentations. Summer work will be an integral part of Advanced Placement English; all students must read three texts and complete an analytical essay on each before returning to school in the fall. Participants in Advanced Placement English should plan to take the AP examination in May. To be successful in this course, students are expected to exhibit proficiency on the Portrait of a Learner Rubric. **Prerequisite:** Completion of English 9 or English 9 Honors, Writing and American Literature or Writing and

American Literature Honors, and a 3.0 average in a CP Literature course with teacher recommendation., Completion of all summer assignments by the first day of school is required.

(EN117) MODERN WORLD LITERATURE (CP)

0.5

This rigorous course allows students to experience the literature of the modern world. Through reading and critical writing, students will gain insight into the forces that continue to shape literature and culture around the world. Essays, reflections, discussions, presentations/projects and one major paper will be required.

(EN126) WOMEN'S STUDIES (CP)

0.5

This rigorous course includes reading and discussion of fiction, memoir, poetry, essays, and other texts by and about women. Through reading and critical writing, students will explore and gain insight into the forces that shape our thinking and writing about women and women's issues. Authors may include, but are not limited to, M. Angelou, M. Atwood, J. Austen, A. Carter, K. Chopin, S. Cisneros, E. Dickinson, J. Didion, E. Ferrante, D. Lessing, T. Morrison, S. Plath, A. Tan, A. Walker, and V. Woolf. Essays, reflections, discussions, presentations/projects, and several major papers will be required.

(EN224) MODERN AMERICAN VOICES - Offered every other year, offered 25-26

0.5

In this course students will explore the lives of minorities in America by reading literature by modern Americans. Reading selections will come from a variety of sources throughout the 20th and 21st centuries. Cultures that will be studied include Asian-American, African-American, Latina/Latino and Native American. The focus of this course will be the diversity of America and how it shapes our country and its people.

(EN105) OUTDOOR LITERATURE

0.5

This course will look at poetry, short stories, novels and essays focusing on man's relationships to various wilderness environments including mountains, forests and seas. Writers include Thoreau, London, Mowat, Dillard, Leopold, Abbey, Melville, Crane and others. Requirements include approximately 20 pages of reading between classes, frequent short writing assignments, participation in discussion, essay tests, quizzes, an analytical and narrative essay, class presentations and projects. It should be noted that this course may not be accepted at some colleges.

(EN104) SCIENCE FICTION LITERATURE

0.5

Students will read classic and contemporary science fiction including authors such as Isaac Asimov, Ray Bradbury and Orson Scott Card. Students will read and analyze literature including novels, short stories and current essays. At least one film critique will be required as well as collaborative projects and critical analysis essays. Average reading assignments will be 25-30 pages per night.

(EN107) SHORT FICTION

0.5

This course will focus on modern and contemporary short stories. Students will read a varied collection of short fiction as well as nonfiction by culturally diverse writers. Stories will cover a variety of themes including sports in literature, hero's journey, mystery and coming of age. Requirements include the reading of four to five stories per week, frequent journal responses, quizzes, tests, projects and classroom discussion. This course counts as a literature course.

English Elective Options

(EN108) COLLEGE COMPOSITION (RS)

0.5

This course is designed for the serious student of writing. During the first part, emphasis will be placed on improving writing style by working on the finer points of grammar, sentence structure, and word choice through essay composition. In the second part of the course, students will learn research methods and organizational skills required for the proper construction of research documents. Class time will be spent writing, revising, researching and conferencing. Writing outside of class will be required. Students who enroll in College Composition will, upon successful completion of the class, earn a half (0.5) KRHS English elective credit. Students also have the opportunity to pay \$150 tuition to River Valley Community College and, upon successful completion of the class (70% or higher), earn three college credits that are transferable to many four-year colleges. This is a Running Start course. To be successful in this course, students are expected to exhibit proficiency on the Portrait of a Learner Rubric. **Recommendation:** Prior English teacher recommendation.

(EN120) CREATIVE WRITING (CP) - not running in 2025-26

0.5

This class is an individualized approach to writing poetry and fiction. Part of the course will be the compilation and publication of a class literary magazine. Requirements include frequent writing exercises, writing in a variety of genres, the compilation of a personal portfolio, group critiques of individual work, and reading samples of professional writers' work in various genres. Students are expected to write in class every day and writing outside of class will also be required.

(EN113) FILM STUDIES (CP) - Rotates with Public Presentations

0.5

This course explores film as a distinct art form. Through this course students will develop criteria for aesthetic awareness so that they may evaluate film. Additionally, students in this course will increase their perceptive skills and understand the language of film. Students will view significant films of the past and/or present and analyze these films from several perspectives. Written critical evaluations of films are required on a regular basis. Supplemental projects may also be required.

(EN115) JOURNALISM - *Rotates with Creative Writing***0.5**

Students will learn the basics for publication, focusing on writing skills and editing. Extensive writing will be required for this course including working with strict Literacy deadlines and completing a variety of individual assignments. All students in the class will regularly write articles for possible publication. Students will cover local, town, school, and state stories. Journalism ethics will also be covered. Students will learn in depth and investigative reporting, newspaper design, and the advertising aspects of putting together and newspaper publication.

(EN121) PUBLIC PRESENTATIONS (CP) - *not running in 2025-26***0.5**

The major focus of this course is to provide each student with a wide variety of speaking situations from which he/she can gain confidence and experience. Group activities may include the interview, panel discussions and debates. Individual assignments may include the informative speech, the persuasive speech, the extemporaneous speech, the impromptu speech, the special occasion speech and the manuscript. Students may learn to use a lectern, a microphone and related technology. Students will also assist with peer reviews. Students will be required to produce outlines and written work to accompany the presentations and to complete quizzes on material from the textbook.

(EN110) WRITING FOR SELF-EXPRESSION - *not running in 2025-26***0.5**

This class is designed for the student who wishes to explore forms of writing that encourage understanding of one's self; it is an individualized approach to writing poetry, fiction and non-fiction pieces. Requirements for this class include frequent writing assignments, weekly journals, critiques/editing of work and reading example pieces for each genre. Students will be expected to extensively revise pieces and follow the writing process.

(SS200) MYTHOLOGY I (CP)**0.5**

In this course students explore the mythology of the ancient world, a world of gods, heroes and monsters. By reading and interpreting these stories students will discover different universal mythological types: etiological, utopian, hero's quests and historical. They will meet famous heroes of antiquity: Gilgamesh, Rama, Achilles, Perseus, Theseus and all the rest. Students will also explore the beliefs and myths of different cultures in antiquity (Sumerians, Babylonians, Greeks, Egyptians etc), how they influenced each other, and how their mythology is a part of our own culture today.

(SS201) MYTHOLOGY II (CP)**0.5**

A continuation of Mythology I, this course explores the world of Norse and Celtic myth, from the Ginnungagap to the Ragnarok. Ice giants and the halls of Valhalla, the Dagda and King Arthur, students will meet all of these on their quest and discover the mytho-historical time period between the fall of Rome and the rise of the Carolingian kingdom, explore how historical occurrences inspire myth, and how these stories helped to create our own literary world.

ALTERNATIVE, INTERDISCIPLINARY, AND PROJECT BASED LEARNING OPPORTUNITIES

(ELO200) ONLINE LEARNING OPPORTUNITIES

All Extended Learning Opportunities for credit are subject to prior approval by the Principal. Extended Learning Opportunities (ELOs) are independent educational activities that provide credit-bearing opportunities to supplement regular academic courses and/or promote the individual educational goals of the student. In some situations, based on community partner development, group ELO's are a more structured option following a specific program. Students are overseen by a certified educator, supported by the ELO Coordinator, and a community mentor as needed. ELOs are student-driven and student-designed courses. ***These courses will not be listed during the scheduling process. Students interested in these course offerings should contact the ELO coordinator(s) and/or their school counselor.***

(NC200) ONLINE LEARNING OPPORTUNITIES

Online courses may be taken for credit recovery, enrichment or when a student's schedule does not allow them to take a particular course through the traditional school program. Any attempted online course regardless of the final grade will be placed upon a student's transcript in the same manner as all transfer credits. Online courses (VLACS) to be taken during the school day will only be approved for students that wish to take a course outside of the KRHS program of studies or if a schedule conflict exists and has received permission from a building administrator.

(ELC100) INTERNSHIP

0.5

Internships offer the opportunity to observe and explore a potential career interest. Students must complete an application process to include an ALP application, a professional resume, applicable recommendations, and an interview with a prospective employer. Placement is contingent upon approved application, and availability prior to the start of the internship. Credit may be obtained if an ELO Plan is developed and approved (See ELO Application). **Requirements:** *Students must obtain administrative approval and dependable transportation. All job sites must be NH Department of Labor approved.*

(ELC101) WORK-STUDY

0.5

Work-study is a program of paid employment on school time and/or after school, with minimal school supervision. Although desirable, this program is not required to be directly related to the student's career goal. Participation in this program provides opportunities for high school students to develop into responsible adults in the working world. Credit will be awarded on time spent on the job, good work habits (positive employer evaluations), meeting deadlines, completing weekly reflections, keeping documentation of logged hours, meeting with ELO Coordinators for progress updates and a final project. Students may earn a maximum of one credit and will be recorded as an elective pass/fail credit only. **Requirements:** *Students must obtain administrative approval, have dependable transportation. All job sites must be NH Department of Labor approved.*

(EL0100) LICENSED NURSING ASSISTANT (LNA) PROGRAM

1.0

The Licensed Nursing Assistant (LNA) Program helps to build a foundation for a career in healthcare. The course is made up of three components: Part One: Theory (online and in-person); Part Two: Pre-clinical lab skills (in-person); Part Three: Clinical (in-person). An LNA provides basic nursing care which includes assistance with bathing, dressing, eating, mobility and toileting. They also take vital signs, obtain specimens, observe and report information, as well as many other tasks. LNAs can work in settings such as a Nursing Home, Home Health Care and Hospitals. They work under the supervision of an LPN or RN.

(HS100) INQUIRY EDUCATION AND STEAM ED. COURSE A

1.0

(HS101) INQUIRY EDUCATION AND STEAM ED. COURSE B

0.5

Inquiry Academy is an opportunity for students to earn up to 2.0 credits in multiple academic disciplines per year. Students may enroll in this program in multiple ways as indicated in the chart below. With the assistance of the course instructors, Inquiry Academy empowers students to develop their own inquiries and investigations into compelling questions that they create and want to learn about. Student work will be interdisciplinary in nature engaging with Science, Technology, Engineering, The Arts and Math (STEAM) as well as the Humanities (English and Social Studies disciplines). Students will be encouraged to connect their projects with local community resources, creating a hands-on student-centered approach to learning.

The competencies mastered through the student generated inquiries will determine the awarding of academic credit. The course instructors will assist students in creating a plan to merit credit in the desired academic areas and may earn up to two (2) course credits.

MATHEMATICS

(MA118) ALGEBRA IA

1.0

This course will cover all concepts through quadratics, but over a two-year period. To fulfill the state requirement of a course in Algebra I, students will need to successfully complete the two-year course. Students will learn about the concept of variables and how they are used in expressions and equations. Students will be expected to solve problems using a variety of methods, including but not limited to: graphing, algebra and technology with an emphasis on algebraic skills. Concepts in Part A will include, but not be limited to: signed numbers, simplifying expressions, working with equations and formulas, rates, ratios, proportions, solving inequalities, functions, statistics and linear equations. This course requires a recommendation from a math teacher.

(MA119) ALGEBRA IB

1.0

This course is a continuation of Algebra IA. Successful completion of CP Algebra IA is a prerequisite for taking this course. Concepts studied will continue through quadratics. Completion of both Algebra IA and IB will fulfill the Algebra I NH state requirement.

(MA102) ALGEBRA I (CP)

1.0

Students will learn about the concept of variables and how they are used in expressions and equations. Students will be expected to solve problems using a variety of methods, including but not limited to: graphing, algebra and technology. Concepts in this course will cover through quadratics and include statistics. This Algebra I course will meet the state requirement.

(MA103) ALGEBRA I HONORS

1.0

This course integrates geometry, statistics, probability, problems relative to real-world situations and the use of the graphing calculator where appropriate. Strong arithmetic and critical thinking skills are required due to the rigor and pace of the class.

(MA105) GEOMETRY (CP)

1.0

The focus of this course is on applications of geometry and problem solving. Content focuses on arithmetic operations, problem solving, estimation, measurement skills, data handling, basic statistics, coordinate geometry, introduction of proofs, right triangle trigonometry and algebra concepts. Computer-based exploration will also be introduced and practiced. A non-CP version of the course is available at teacher and counselor recommendation only.

(MA106) GEOMETRY HONORS

1.0

This is a rigorous course in which structure and logical proof will be emphasized. Right triangle and non-right triangle trigonometry will be introduced.

(MA108) ✪ ALGEBRA II (CP)

1.0

This course is intended for students who have passed Geometry and Algebra I. Students will study the topics of: transformations of graphs, quadratics, polynomials, exponential and logarithmic functions and radical and rational functions. Probability and statistics will be woven throughout the course. A non-CP version of the course is available at teacher and counselor recommendation only.

(MA109) ✪ ALGEBRA II HONORS

1.0

This fast-paced, rigorous course combines the ideas of Honors Algebra with those of analytic geometry. Students will study the topics of: transformations of graphs, quadratics, polynomials, exponential and logarithmic functions, radical and rational functions and conics. Probability and statistics will be woven throughout the course.

(MA120) ✪ PROBABILITY, STATISTICS AND OTHER FUNCTIONS (CP)

1.0

This course introduces the student to the basic topics of probability and statistics found in a variety of subject areas. Technology use and project based learning are a core part of learning throughout the course. Topics include descriptive and inferential statistics, counting principles, confidence intervals and finite and discrete math topics will be woven into the course. **Prerequisite:** Open to Juniors and Seniors Only.

(MA114) ✪ STATISTICS (AP/RS)

1.0

To be successful in this course, students are expected to exhibit proficiency on the Portrait of a Learner rubric. Students will be exploring data through patterns and departure from patterns, making conjectures and using statistical inferences through hypothesis testing. Many formulas will be studied and applied along with the integration of probability. Technological approaches will be emphasized and students should have a graphing calculator, preferably a TI-84. Students must successfully complete the class and have paid a tuition fee to River Valley Community College to earn three college credits. Students are strongly encouraged to take the AP Exam. Other mathematics classes may be taken concurrently with this course. **Prerequisites:** 3.0 or better in Algebra II or higher.

(MA125) ✪ PRE-CALCULUS (CP)

1.0

This course is open to any student who has successfully completed Algebra II and one year of geometry. It naturally follows Algebra II and includes a significant amount of trigonometry. Other topics may include sequences and series, exponents and logarithms, vectors, and complex numbers. **Prerequisite:** Students should have successfully completed Honors Algebra II or Algebra II.

(MA111) ✪ PRE-CALCULUS HONORS**1.0**

This is a continuation of Honors Algebra II with heavy emphasis on trigonometry. **Prerequisite:** *Students should have successfully completed Honors Algebra II*

(MA115) ✪ CALCULUS AB (AP/RS)**1.0**

This course prepares students to take the Advanced Placement Calculus AB Examination in May, which may allow them to be awarded credit or a course waiver in college. The material covered in this course is the Calculus AB curriculum published by the College Board. The basic ideas of differential and integral calculus are developed. Work is assigned for the student to do during the summer before he/she takes the course. Technological approaches will be emphasized and students should have a graphing calculator, preferably a TI-84. Students also have the opportunity to pay \$150 tuition to River Valley Community College and, upon successful completion of the class (70% or higher), earn three college credits that are transferable to many four-year colleges. This is a Running Start course. Students are strongly encouraged to take the AP exam. **Prerequisites:** *Completion of Honors Pre-Calculus and teacher recommendation*

(MA124) ✪ CALCULUS BC (AP)**1.0**

This course prepares students to take the Advanced Placement Calculus BC Examination in May, which may allow them to be awarded credit or a course waiver in college. The material covered in this course is the second half of the Calculus BC curriculum published by the College Board. AP Calculus BC applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series. Work is assigned for the student to do during the summer before he/she takes the course. Technological approaches will be emphasized and students should have a graphing calculator, preferably a TI-84. Requirement: Completion of Calculus AB (AP). Students are expected to take the AP exam. The AP BC Exam covers all content from both AB and BC courses.

(MA126) ✪ CALCULUS HONORS (RS)**1.0**

This course is designed for students who have completed Precalculus. The course is not bound by the pace of an AP Calculus course although it includes all topics needed to be successful in a first year college calculus course. Topics to be covered include: limits and continuity, derivatives and their applications, anti-differentiation, the definite integral and its applications, and techniques of differentiation and integration. This is a Running Start course. **Prerequisites:** *Completion of Pre-Calculus Honors.*

(MA128) ✪ MATHEMATICS FOR THE TRADES**1.0**

This course is designed for students in grades eleven and/or twelve who are interested in the trades. The course will provide the practical mathematics skills needed in a wide variety of trade, technical, and other occupational areas including, but not limited to, plumbing, automotive, electrical and construction. The course will help students to solidify their skills in practical mathematics. It is designed as an alternative to CP Algebra 2 or CP Probability and Statistics as a 3rd or 4th year of math.

PHYSICAL EDUCATION & WELLNESS

(PHE100) PHYSICAL EDUCATION

0.5

Physical Education emphasizes health-related fitness and the development of skills and habits necessary for a lifetime of activity. These courses provide students with the opportunity to achieve and maintain a health-enhancing level of physical fitness. The program includes skill development and the application of rules and strategies in the following units: fitness activities, invasion games, net games, striking games and target games.

(PHE101) PHYSICAL EDUCATION II

0.5

This required Physical Education course is designed to help students better understand the interrelationship of exercise, nutrition and overall wellness for life. The course will teach students the concepts of the five areas of fitness and the key components to a healthy life and how these tie to quality of life. Based on information learned in the class each student will develop a plan to stay *fit for life*. This course will be a combination of both physical as well as classroom activities. **Prerequisite:** *Junior or Senior*

(PHE110) INTRAMURAL SPORTS

0.5

This semester-long elective class is designed for those students in grades 10-12 who desire both competitive sports and leisure sports. An in-depth instruction in skill development and strategy with game play will occur during the team and individual activities. These activities may include traditional team and individual sports as well as leisure sports. **Prerequisite:** *2.0 or better in Physical Education.*

(ELO100) PHYSICAL EDUCATION ELO

0.5

To complete the one credit Physical Education requirement, students have several options. The first is to earn the credit in a traditional way by enrolling in a semester-long (half-credit) Physical Education class, and a semester-long (half-credit) PE II course. The second option is to earn the PE credit through participation in an approved reoccurring fitness / athletic program or course. To earn credit using an alternative means, students must complete an ELO application. Regardless of how often they participate in the approved program, students can only receive a half (0.5) PE credit for team participation. Please refer to the student handbook for a list of the KRHS athletic teams and seasonal offerings.

(PHE103) WELLNESS (Health)

0.5

Wellness provides basic information and discussion on important wellness topics including consumer health, nutrition & lifestyle, disease, sexuality & reproduction, substance misuse, tobacco use, mental health, and relationship development. This course is an indispensable tool to combat obesity and teach students about the importance of healthy decision-making, and its impact on their future.

SCIENCES

PHYSICAL SCIENCES

(SC100) PHYSICAL SCIENCE

1.0

The purpose of the course is to present basic physical and earth/space science information. Topics include: scientific inquiry, atomic theory, properties of matter, chemical reactions, force, energy, light, origins of the universe, star cycles, plate tectonics, and Earth cycles. Science process skills developed in this course encompass scientific method, communication, measurement, and graphing. This course also promotes the safe and correct use of equipment. Emphasis will be placed on the development of appropriate laboratory skills. This course requires teacher recommendation.

(SC189) PHYSICAL SCIENCE (CP)

1.0

The purpose of the course is to present basic physical and earth/space science information. Topics include: scientific inquiry, atomic theory, properties of matter, chemical reactions, force, energy, light, origins of the universe, star cycles, plate tectonics, and Earth cycles. Science process skills developed in this course encompass scientific method, communication, measurement, and graphing. This course also promotes the safe and correct use of equipment. Emphasis will be placed on the development of appropriate laboratory skills. Students who successfully complete Algebra I in grade 8 may enroll in Biology in grade 9.

(SC109) ☼ ASTRONOMY

0.5

This introductory astronomy course explores the modern tools and techniques used to study our closest neighbor planets, stars, extrasolar planets and distant galaxies. Emphasis is placed upon the search for habitable planets and the likelihood and possible nature of extraterrestrial life. Basic algebra skills will be utilized as we explore light data and mathematical models associated with planetary and stellar motion. **Recommendation:** Successful completion of the Physical Science requirement and Algebra I.

☼ Meets fourth year of mathematics related course requirement

(SC103) ☼ CHEMISTRY

1.0

This is a science course for students who want to gain basic knowledge in the field of chemistry. Topics include solutions, water quality, structure and function of materials, natural resources and chemical reactions. Applications of chemistry principles to everyday situations will be stressed. Laboratory work will be an essential component of the course. **Recommendation:** Successful completion of Biology. ☼ Meets fourth year of mathematics related course requirement.

(SC104) ☼ CHEMISTRY (CP)

1.0

Chemistry (CP) is a one-year College Preparatory laboratory course concerned with the fundamental nature of matter. The core objectives of this course are identified as being more challenging and mathematically based than those that are in the non-CP chemistry course. This class is appropriate for potential majors in the science, engineering and biology fields as well as students applying to selective colleges. The course stresses a comprehensive study of scientific measurement, quantitative relationships in chemical reactions, stoichiometry, reaction kinetics, atomic and molecular structure and chemical equilibrium. The content includes a strong emphasis on measurement and calculation and therefore requires the student to apply basic algebraic skills to events observed through laboratory experimentation and data analysis. **Recommendation:** Successful completion of Biology (CP) or Biology with a 3.0 or higher, as well as Algebra I with a grade of 3.0 or higher. Co-enrollment in Algebra II or higher is recommended. ☼ Meets fourth year of mathematics related course requirement

(SC114) ☼ CHEMISTRY (AP)

1.0

This course is designed to be the equivalent of the general chemistry course taken during the first college year. Students will attain an in-depth understanding of fundamentals and a reasonable competence in dealing with chemical problems. Topics include intermolecular forces, periodic trends, thermal chemistry, structure of matter and chemical reactions; laboratory investigations supported by technology will be used for exploration. The course will contribute to the development of the student's ability to think clearly and to express ideas, orally and in writing, with clarity and logic. **Recommendation:** Students must have completed Geometry and Algebra I, and most likely be co-enrolled in precalculus or calculus. Students do not need to take CP Chemistry before taking this course. *Recommendation of AP Chemistry teacher.* ☼ Meets fourth year of mathematics related course requirement

(SC106) ☼ PHYSICS (CP)

1.0

This course is offered primarily to those students anticipating further work in scientific, technical and related fields. Topics may include kinematics, Newton's Laws, energy, thermodynamics, optics and electric circuits. The course will involve considerable laboratory work, leading to an understanding of basic principles of physics. **Recommendation:** Successful completion of or concurrent enrollment in Algebra II or Pre-Calculus. Exceptions may be made based upon the strong recommendation of both the Grade 10 science and math instructors. ☼ Meets fourth year of mathematics related course requirement

(SC187) ☼ PHYSICS I (AP)

1.0

This is an advanced course for students with a strong interest and demonstrated ability in physical sciences. It includes topics in kinematics, Newton's Laws, energy, and momentum. It is equivalent to a first-semester course in algebra-based physics at the university level. Understanding of the basic principles of physics and the ability to apply these principles will be the major goals of the course. Emphasis will be on the development of conceptual understanding and problem-solving ability. This course incorporates inquiry-based laboratory investigations. Students completing this course will be exposed to the topics tested on the AP Physics 1

exam. **Recommendation:** Students must have completed Geometry and Algebra I, and most likely be co-enrolled in precalculus or calculus. Students do not need to take CP physics before taking this course. ⚙ Meets fourth year of mathematics related course requirement.

(SC120) ⚙ PHYSICS C: MECHANICS (AP)

1.0

*This is an advanced course for students with a strong interest and demonstrated ability in physical sciences. It includes topics in kinematics, Newton's Laws, energy, and momentum. It is roughly equivalent to a first-semester course in calculus-based physics at the university level. Understanding of the basic principles of physics and the ability to apply these principles will be the major goals of the course. Emphasis will be on the development of conceptual understanding and problem-solving ability. Students completing this course will have been exposed to the topics tested on the AP Physics C: Mechanics Exam. **Recommendation:** Before enrolling in this course, students should successfully complete Physics (CP). Co-enrollment in Pre-Calculus is also recommended. ⚙ Meets fourth year of mathematics related course requirement.*

LIFE SCIENCES

(SC101) BIOLOGY

1.0

Students will learn about the flow of matter and energy through ecosystems, ecological principles, genetics, and evolution. Demonstrating competency in Biology is a graduation requirement and a prerequisite for many science electives offered. **Recommendation:** Successful completion of Algebra I.

(SC118) BIOLOGY (CP)

1.0

Biology (CP) is a College Preparatory class that requires a significant amount of reading and in-depth understanding of concepts. Students will learn about the flow of matter and energy through ecosystems, ecological principles, genetics, and evolution. Demonstrating competency in Biology is a graduation requirement and a prerequisite for many science electives offered. **Recommendation:** Successful completion of Algebra I.

(SC135) ANATOMY & PHYSIOLOGY

1.0

This is a hands-on course for students interested in understanding the structures and functions of major organ systems in the context of their normal and diseased states. This class may pull in related topics in health, nutrition, growth and development, and emergency first aid to support student interest. **Recommendation:** Successful completion of Biology.

(SC111) ANATOMY & PHYSIOLOGY (CP)

1.0

Anatomy and Physiology (CP) is a year-long College Preparatory class for students with a strong interest in life science. This course will emphasize a study of human anatomy and general principles of physiology. Topics will include the anatomy and physiology of: the skeletal, muscular, integumentary, circulatory, respiratory, immune, digestive, excretory, nervous, endocrine and reproductive systems. Reading level will be high and in-depth understanding of concepts will be expected. This course is offered as a Running Start program. **Recommendation:** Successful completion of Biology (CP) with a 3.0 or better.

(SC125) BIOLOGY (AP) - not offered in 25-26

1.0

The intent of AP Biology is to provide the equivalent of a first-year college-level biology course in the high school environment for students who have a demonstrated ability in and the desire to pursue a career in the biological sciences. The challenge of AP Biology aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. Students develop a conceptual understanding for modern biology using personal experience in scientific inquiry, recognize unifying themes that integrate the major topics in biology and apply biological knowledge and critical thinking to environmental and social concerns. A student must be willing to work above and beyond that which is normally expected in a regular college preparatory course in preparation for the AP Biology Exam. Laboratory investigations will emphasize the requirements set by the College Board. The topics will include, but are not limited to: the molecular and biochemical pathways, cellular processes, heredity, and diversity of life and population studies. **Recommendation:** Successful completion of Biology (CP) and Chemistry (CP).

(SC116) BOTANY

0.5

Botany is a class that covers concepts of plant biology focusing on plant characteristics, diversity, growth and reproduction. Class discussion may cover current ideas in agriculture, horticulture, medicine, biotechnology, ecology, conservation and environmental issues. Laboratory work will include greenhouse management and field studies, targeting identification of common plant species. **Recommendation:** Successful completion of Biology or Biology (CP) with a 3.0 or higher

(SC108) ZOOLOGY

0.5

Zoology is a class for students with an interest in animal science. A variety of topics including the phylogeny and diversity of animals, ecological relationships, and the development of major organ systems will be presented. Dissections and the safe handling of animal specimens are a required component of this class. **Recommendation:** Successful completion of Biology or Biology (CP) with a 3.0 or higher.

(EL0100) LICENSED NURSING ASSISTANT (LNA) PROGRAM**1.0**

The Licensed Nursing Assistant (LNA) Program helps to build a foundation for a career in healthcare. The course is made up of three components: Part One: Theory (online and in-person); Part Two: Pre-clinical lab skills (in-person); Part Three: Clinical (in-person). An LNA provides basic nursing care which includes assistance with bathing, dressing, eating, mobility and toileting. They also take vital signs, obtain specimens, observe and report information, as well as many other tasks. LNAs can work in settings such as a Nursing Home, Home Health Care and Hospitals. They work under the supervision of an LPN or RN.

INTEGRATIVE SCIENCES**(SC128) ENVIRONMENTAL SCIENCE (AP)****1.0**

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **Recommendation:** Successful completion of the Physical Sciences, Biology (CP), Algebra, or teacher recommendation.

(SC151) * 🌐 ENVIRONMENTAL MAPPING (CP)**0.5**

Environmental Mapping (CP) is a College Preparatory class where you will practice ecological field techniques and generate digital maps of your field data using the state-of-the-art Geographic Information System (GIS) program. You will spend significant time in the field gathering data and sampling plant and habitat types (forests, wetlands, and vernal pools). Upon mastery of field and mapping techniques you will create thematic and analytical maps using your own data as well as state and national data. These maps will be used to understand various concerns relating to resource management and the relationship between natural resources and expanding human needs. 0.5 ICT Credits may be earned through this hybrid course. **Recommendation:** Successful completion of Biology with a 3.0 or higher.

(SC144) SUSTAINABILITY (CP)**0.5**

Sustainability (CP) is a College Preparatory class where you will explore the complex relationships within biological systems, large-scale earth systems, and between humans and the environment. You will work with real-world environmental and humanitarian problems to create solutions that take into consideration the economic, societal, environmental, and ethical impacts of change. You will develop deep thinking skills as you practice analyzing and interpreting data, modeling interactions, and engaging in evidence-based discussion and argument. **Recommendation:** Successful completion of Physical Science and Biology with a 3.0 or higher.

(SC143) MARINE SCIENCE (CP)**0.5**

Marine Science (CP) is a hands-on College Preparatory class where you will explore the complex relationships within biological systems, large-scale earth systems, and between humans and the environment, as it relates to the marine ecosystem. You will engage deeply with an in-class 180 gallon tropical reef tank, which will act as a model for understanding the flow of energy and matter through ecosystems among other key topics. You will work with real-world environmental problems to create solutions that take into consideration the economic, societal, environmental, and ethical impacts of change. You will develop deep thinking skills as you practice analyzing and interpreting data, modeling interactions, and engaging in evidence-based discussion and argument. **Recommendation:** Successful completion of Physical Science and Biology with a 3.0 or higher.

(SC186) THE SCIENCE OF SUGARING - Semester 2 Only**0.5**

Open to 11/12 grade students only.

Maple syrup production has a long and rich history in North America. The process of modern maple syrup production utilizes many advancements in technology and equipment. In this course students will explore the maple resource and maple production techniques. Students will apply concepts from physics, chemistry and life sciences to understand modern and historical maple syrup production. Students will also work with a maple tubing system for the collection of maple sap on the campus of KRHS. Students will investigate the economics of producing and marketing agricultural products including maple syrup. The course will also promote the safe and correct use of tools and equipment.

SOCIAL STUDIES

WORLD HISTORY/GEOGRAPHY:

(SS207) GLOBAL STUDIES

1.0

Global Studies is a course that combines World History and Cultural Geography integrating major political, social, economic, religious and cultural developments in human history. The course explores interrelated thematic strands of history and geography through the study of the major regions of the world. Students will be assessed using formal written essays, projects, tests, quizzes, homework and class work. Students will utilize basic methods of historical analysis incorporating the history and geography themes of study. This is a requirement of all ninth-grade students and a graduation requirement.

(SS130) WORLD HISTORY: MODERN (AP)

1.0

AP World History is a rigorous, college-level course designed to explore human history from 1200 C.E. to the present. The course is broken up into four time periods with a focus on examining six themes central to the development of the modern world. There will be an emphasis on the analytical and writing skills necessary for success at the collegiate level. The course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography (the principles, theories, or methodology of scholarly historical research and presentation) and inquiry into global connections that have shaped our present world. A special emphasis will be given to preparation for the AP Exam, including historical writing through essay and document-based questions (DBQ) as well as objective evaluations. Students are assessed on their mastery of the course goals when they take the College Board exam in May. **Prerequisite:** Completion of all summer assignments by the first day of school.

UNITED STATES HISTORY:

(SS101) UNITED STATES HISTORY

1.0

The study of New Hampshire and United States history is important for students to understand the events that shaped and continue to shape the world in which they live. This course takes students from the early 17th century through present day by exploring the recurring themes of conflict and societal change. The course provides students with several opportunities to explore individual areas of interest in NH and U.S. history.

(SS105) UNITED STATES HISTORY (AP)

1.0

This course may be taken either to fulfill the requirement of U.S. History or as an elective after students have already completed their U.S. History requirement. The Advanced Placement Program (AP) offers a course and exam in AP United States History to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in U.S. History. The AP US History Exam presumes at least one year of college-level preparation. The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials, their relevance to a given interpretive problem, their reliability and their importance, and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

Prerequisite: Completion of all summer assignments by the first day of school.

UNITED STATES GOVERNMENT:

(SS110) AMERICAN GOVERNMENT

0.5

This course will expose students to the study of Government and Politics at the local, state, country and international levels. Students will study the workings of local government institutions, the structure of the New Hampshire and United States governments. This course is designed to develop an understanding of constitutional democracy in the United States. Students will study the purpose, structure, and functions of government, as well as the political process, the role of law, and international affairs. Students will gain an understanding of the rights and responsibilities of citizenship, and the ability to apply their knowledge of local, state, and national government through the political process and citizen involvement.

(SS116) COMPARATIVE GOVERNMENT (AP)

1.0

The AP course in Comparative Government and Politics introduces students to the fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes and to communicate to students the importance of global, political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. Additionally, the course covers the major concepts that are used to organize and interpret specific countries and their governments. Six countries form the core of the AP Comparative Government course: China, Great Britain, Iran, Mexico, Nigeria and Russia. By using these six countries, the course can move the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings. **Prerequisite:** Recommendation of previous social studies teacher and completion of all summer assignments by the first day of school. This course may be taken either to fulfill the

requirement of American Government or as an elective credit after students have already completed the American Government requirement.

ECONOMICS:

(BU101) ✪ PERSONAL FINANCE: ECONOMICS AND YOU

0.5

In this course, students will learn what economics is, how it is part of their daily lives, and how it affects the world around them. Students will gain insight into supply and demand, private enterprise, policy making, banking, taxes, personal finance, and fiscal decision making. This course will conclude with an individual capstone project designed by the student.

✪Meets fourth year of mathematics related course requirement.

(SS106) ✪ MACROECONOMICS (AP)

0.5

This course may be taken either to fulfill the requirement of Economics or as an elective after students have already completed their Economics requirement. This course follows a rigorous national curriculum that includes basic economic principles such as scarcity, opportunity cost, supply and demand, and then moves on to the measurement of economic performance including GDP, unemployment and inflation, aggregate demand and supply, fiscal and monetary policy, investments in economic growth and productivity, and international trade and finance. This course will challenge students to use and improve their critical thinking skills and will require them to apply quantitative and mathematical skills. **Prerequisite:** Strong math aptitude and completion of all pre-class assignments by the first day of the semester. ✪Meets fourth year of mathematics related course requirement.

(SS117) ✪ MICROECONOMICS (AP)

0.5

This course may be taken either to fulfill the requirement of Economics or as an elective after students have already completed the Economics requirement. Microeconomics studies the behavior of households, firms and the government in a market economy given scarcity and uncertainty. In this course students will gain a thorough understanding of the nature and functions of product markets, including supply and demand, consumer choice, production costs and firm behavior within the four market structures. Students will also study factor markets including derived factor demand and market distribution of income, market failure and the role of government including externalities, public goods and public policy. Students taking this course are expected to take the Advanced Placement Exam in May. **Prerequisite:** Strong math aptitude and completion of all pre-class assignments by the first day of the semester. ✪Meets fourth year of mathematics related course requirement.

SOCIAL STUDIES ELECTIVES:

(FCS106) CHILD DEVELOPMENT

0.5

This course provides an overview of the theory and principles of human growth and development from early life through adolescence. Content includes an in-depth study of the physical, cognitive, social and emotional aspects of development and how these impact the context of our everyday lives, families and communities. Special emphasis will be on the major developmental theories of Erikson, Piaget, Bandura, Vygotsky, and Gardner. Field observations, creating activities and lessons as well as demonstrating oral and written communication skills in analyzing the content of lifespan development will be expected. This course is for students whose future lives will involve children: childcare providers, coaches, teachers, counselors and nurses. A college textbook is used in this course, along with discussions on how the study of psychology and sociology play a large part in development.

(SS114) CULTURAL ANTHROPOLOGY

0.5

This course introduces the major concepts, theories and methods employed by anthropologists to understand social and cultural aspects of human experience. The course will explore world views and belief systems of different people within topics such as religion and ritual, language and symbols, gender and families, individual and cultural identity, power and control, violence, conflict and social change. By examining the character of other cultures students will become more conscious of the character of one's own culture and develop a new and critical perspective of cultural assumptions and biases.

(SS206) SOCIOLOGY I (FUNDAMENTALS OF SOCIOLOGY)

0.5

This sociology course will introduce the fundamentals of sociology by focusing on the theories that build the foundation for this social science. Looking at experiments in sociology and research by famous sociologists will be the first focus, as the sociological perspective and the sociological imagination are introduced. Next, the study of culture and social structure will be used to analyze the development and importance of culture with an in-depth look at social norms and values. Social structure and interactions within society will also be examined using both group dynamics and the bystander effect. Lastly, the importance of socialization and deviance in society will be studied looking at everything from our agents of socialization and privilege to the causes and impacts of deviant behaviors. Criminal behavior, the psychology of the criminal, profiling and incarceration are only a few of the additional topics that will also be investigated. Students will be able to research, write and think like a sociologist by the end of this course.

Prerequisite: Having a 2.0 or better in your most recent social studies course(s).

(SS144) SOCIOLOGY II (APPLYING SOCIOLOGY)

0.5

This sociology course will introduce the three sociological perspectives (functionalism, conflict theory and symbolic interactionism) and apply how these three theories relate to our society and everyday life. The first focus of this course will be on using research methods and critical thinking skills to understand sociology by looking at surveys, case studies, and both qualitative and quantitative research. The second focus will be how to write like a sociologist, by creating essential questions, thesis statements and how to

research and write about a central issue in society. The rest of the semester will be using these skills to apply sociological perspectives to family, education, sports, demographics and collective behavior in society. Student choice will drive subtopics in these areas, while the same textbook that will be used from the Fundamentals of Sociology course will also be used to teach and guide this class. **Prerequisite:** Having a 2.0 or better in your most recent social studies course(s) *Fundamentals of Sociology is NOT required as a prerequisite to take this course.

(SS112) LAW STUDIES: CRIMINAL AND CIVIL LAW

0.5

This course provides an introduction to law and the American legal system with an emphasis on the judicial branch at the federal and state level as well as criminal, civil and constitutional law, and legal process and procedure. Additional focus is given to the citizen's role in lawmaking and the judicial process as well as the extent to which law affects our daily lives. Students will be expected to analyze law cases, current events articles and participate in mock trials. Law Studies involves active student participation in their learning.

(SS205) PSYCHOLOGY

0.5

Students in this course will study personality development, human relationships, normal and abnormal behavior as well as those elements constituting good mental health. There is an emphasis on class participation in this class. Students will be assessed through exams, projects and papers.

(SS113) WORLD, NATIONAL & LOCAL ISSUES

0.5

This course is a survey of major problems confronting the world and the United States with emphasis on the many points of view concerning each of the issues. Topics facing state and local governments will also be addressed with extensive outside reading on current issues being required. Students will have the opportunity to conduct in-depth research on a topic of choice within each area of study: world, national and local. Students will be engaged with extensive writing regarding analysis of world and local issues.

STUDENT SUPPORT COURSES

(HS151) ACADEMIC SEMINAR

0.5

Academic seminar is a directed study hall course offered to any student in lieu of a study hall. This course is designed to support students in meeting social, emotional, and academic success by focusing on and developing students' personal goals and a connection with the community. Any student desiring more direct support will be placed into this class. Students may be placed in this course by teacher recommendation and/or students who are failing a course(s) during the first semester may be assigned to this course for support.

(HSO424) BASECAMP STUDY/SUPPORT

0.5

This course is designed to support student needs and develop the following competency areas: executive functioning skills and transition/post-secondary skills. The course is designed to reinforce and build upon the student's previously learned organizational, study, test-taking and self-advocacy skills. Specific objectives for each student are integrated into the framework of this class as well. Students will work on individual and group skills to enhance their learning, and they will be asked to develop their own personal goals each semester. **Prerequisite:** Recommendation by Student Support Services required

(SPE135) CAREER READINESS WORKSHOP

0.5

Recommended for students in the 11th and 12th grades who will explore a variety of educational and occupational opportunities, designed to allow students to go further in-depth into their post high school goals focusing on career and/or college readiness. Emphasis will be placed on continuing to develop independent skills needed post high school. All components of the course enhance opportunities for success after high school, and outcomes for students with individualized education plans will also be monitored through the Indicator 13 process. Completion of Transition is not required to enroll in this course. Prerequisite: Case Manager recommendation

(ESL100) ESOL: ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

0.5

ESOL class focuses on developing and expanding both social and academic English so that EL students will be able to communicate effectively with peers and teachers in mainstream classes. Instruction is provided in all language domains: speaking, listening, reading, and writing. In this course, EL students will build on basic interpersonal communication skills and cognitive academic language proficiency. Lessons and assessments are based on the individual, personalized language goals and WIDA's English Language Development (ELD) Standards: English language learners communicate information, ideas, and concepts necessary for academic success in the content areas of science, math, social studies, and language arts. English language learners will also communicate for social and instructional purposes within the school setting. **Prerequisites:** ESOL teacher assignment.

(SPE100A) STUDY SKILLS – SEMESTER 1

0.5

(SPE100B) STUDY SKILLS – SEMESTER 2

0.5

Study Skills is based upon student needs with the main objectives to support and develop the following competency areas: executive functioning skills and transition/post-secondary skills. The course is designed to reinforce and build upon the student's previously learned organizational, study, test-taking and self-advocacy skills. Specific objectives for each student are integrated into the framework of this class as well. Students will work on individual and group skills to enhance their learning, and they will be asked to develop their own personal goals each semester. **Prerequisite:** Case Manager recommendation.

(SPE140) TOPICS IN MATH

1.0

This class is an individualized approach to the concept of variables and how they are used in expressions and equations. Students will be expected to solve problems using a variety of methods, including but not limited to: graphing, algebra and technology. Topics in Math will be individualized to meet each student's IEP goals. Topics in Math course is a specialized approach which offers individualized instruction which ties to functional life skills. **Prerequisite:** Students must be recommended by their student support team. This course leads to the KRHS Alternate Diploma.

(SPE141) TOPICS IN ENGLISH

1.0

This class is an individualized approach to reading and writing fiction, non-fiction, short stories and poetry. The students may take part in reading texts and class discussions. The small group design of the course will also strive to encourage students to work towards completion of presentations, research, and to work on a variety of writing and reflection based pieces. Topics in English will be individualized to meet each student's IEP goals. Topics in English Language Arts course is a specialized approach which offers individualized instruction which ties to functional life skills. **Prerequisite:** Students must be recommended by their student support team. This course leads to the KRHS Alternate Diploma.

(SP142) TOPICS IN SOCIAL STUDIES

1.0

This class is an individualized approach to expose students to the history of the State of New Hampshire and the United State of America; as well as exploration of Government and Politics at the local, state, country and international levels; and Economics is the study of the allocation and utilization of scarce resources to meet unlimited wants and needs of society. Topics in Social Studies will be an individualized approach to meet student's unique IEP goals. Topics in is a specialized approach which offers individualized instruction which ties to functional life skills. **Prerequisite:** Students must be recommended by their student support team. This course leads to the KRHS Alternate Diploma.

(SP143) TOPICS IN SCIENCE**1.0**

This class is an individualized approach to expose students to Physical Sciences. Students will be exposed to basic physical and earth/space science information such as: scientific inquiry, atomic theory, properties of matter, chemical reactions, force, energy, light, origins of the universe, star cycles, plate tectonics, and Earth cycles. Topics in Science will be an individualized approach to meet student's unique IEP goals. Topics in Science course is a specialized approach which offers individualized instruction which ties to functional life skills. **Prerequisite:** *Students must be recommended by their student support team. This course leads to the KRHS Alternate Diploma.*

(SPE125) TRANSITION**0.5**

This course personalizes the career and/or college readiness process for students by integrating individual academic profiles as well as career interests to inform transitional pathways. Students will participate in self-awareness activities, explore and research the world of work and demonstrate job-seeking skills through academic and project-based learning opportunities. All components of the course enhance opportunities for success after high school, and outcomes for students with individualized education plans will also be monitored through the Indicator 13 process. **Prerequisite:** *Case manager recommendation*

WORLD LANGUAGES

(ILF101) FRENCH I (CP)

1.0

French I students learn basic verbs, vocabulary and grammar and begin developing proficiency through listening, speaking, reading and writing practice activities. Students also research francophone cultures.

(ILF102) FRENCH II (CP)

1.0

More grammatical concepts are introduced in French II while continuing emphasis is given to oral fluency and comprehension. Reading begins to play a more important part in the curriculum in the form of supplementary readers and readings from the textbook. Some structured writing is also conducted.

(ILF103) FRENCH III (CP)

1.0

The course of French III emphasizes language proficiency through immersion in the language by daily speaking French in class, reviewing that which has already been learned, introducing advanced grammatical concepts and developing further vocabulary skills. Reading various short stories, expanding the knowledge of verb tenses and applying this knowledge in order to communicate will also be expected. In addition, cultural awareness will be encouraged through the study of daily life activities, history and art. The teacher will speak in French, and the students will be expected to do the same. Willingness of the students to speak and listen to French will be an important part of the grade.

(ILF104) FRENCH IV (CP)

1.0

During this course, language proficiency, through immersion, is further developed. Students are expected to speak French almost exclusively in class. Students in this course will learn the remainder of the most commonly used tenses and many of the remaining grammar concepts not discovered in previous years; and vocabulary learning will continue. Culture will be explored through history, art and French literature. The practice of all six skills: listening, speaking, reading, writing, performing and observing will be coordinated on the fourth level. This is a class in which the students should expect one half hour of homework each night.

(ILF106) FRENCH V (CP)

1.0

French V continues to explore culture and history through authentic written, oral and video texts in the French language. Classroom discussions, entirely in French, focus on these exemplars. Students also increase their focus on writing with the emphasis no longer on learning grammar, but with applying it and perfecting their writing through the revision process.

(ILF105) FRENCH (AP)

1.0

The emphasis of this course is to bring to full proficiency the French already learned. Grammar will continue to be taught and mastered, but the emphasis will be toward ability to converse using the target grammar skill. We will study the history and culture from the beginning of pre-history through modern times. Expect many oral activities, reading at an advanced level and lots of conversational-based exercises. The AP Language Course is designed to prepare the student to succeed on the Advanced Placement Exam offered by the College Board in May. As required by the College Board, the course provides students with a learning experience equivalent to that of a third-year college course in French language. To succeed on the AP French Language Exam, the student must be able to understand spoken French in various contexts; develop a French vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts and other non-technical writings without a dependence on a dictionary and be able to express themselves coherently, resourcefully and with reasonable fluency and accuracy in both written and spoken French.

(ILL101) LATIN I (CP)

1.0

The goal of Latin I is to introduce the student to the Classical World (the source of many things in our world today) through the language of Ancient Rome: Latin. To that end, students will begin to acquire a foundational knowledge of grammar (both Latin and English), build a base vocabulary, and begin the process of understanding how Romans expressed themselves in writing and speaking. Through the study of Latin, students will also explore the many ways in which Latin language and literature have continued to shape the language and culture of our world, up until the present day.

(ILL102) LATIN II (CP)

1.0

The goal of Latin II is to continue to acquire mastery of the grammar and vocabulary of Latin so that Latin literature may be read and enjoyed in the original language. To that end, students will learn more advanced syntactical concepts, increase their depth of vocabulary and begin to translate short excerpts from real authors (and examine the impact of all of these on modern language, literature, and society). In essence, they will complete their formal study of Latin grammar and attain a working vocabulary set so that they can read unabridged Latin literature.

(ILL103) LATIN III (CP)

1.0

Latin III is an introduction to the world of Classical Latin prose and poetry, with such authors as Caesar, Catullus, Cicero, Ovid, Sallust, Lucretius, Horace, and Vergil, inter alios. Students will read excerpts from some of the great works by these authors and examine the influence of those works on more recent authors. Additionally, students will master some of the rhetorical terms and poetic meters used by these authors. Along the way, grammatical concepts and forms learned in the first two years of study will be regularly reviewed. In addition, elements of Ancient Greek may periodically be introduced.

(ILL104) LATIN IV (CP)**1.0**

Latin IV, the culmination of a career of studying Latin at Kearsarge, will involve more in-depth readings of major works of Classical Roman literature, such as Vergil's *Aeneid* or Ovid's *Metamorphoses*. Major themes and ideas will be analyzed as well as comparable literature and mythology from the period. The art of translation will become more refined and efficient at this stage as well as the student's grasp of vocabulary. Proper recitation of Latin verse from the poem will be a feature. In addition, exploratory elements of Ancient Greek will be periodically featured.

(ILL106) LATIN (AP)**1.0**

The AP Language Course is designed to prepare the student to succeed in the Advanced Placement Exam offered by the College Board in May. As required by the College Board, the course provides students with a learning experience equivalent to that of a second or third-year college course in Latin literature. Students in Latin III who are interested and motivated to take this college level course may be recommended for it. AP Latin involves a comprehensive reading of two Latin works in-depth, including translation, literary analysis and essay writing. Students ultimately become proficient in two major Roman authors. Readings include significant portions of Julius Caesar's *Gallic War* and Vergil's *Aeneid*. The course culminates in the taking of the Advanced Placement Exam. Students are expected to work at the level of a college course including significant work outside of class (approximately ten hours a week).

(ILS101) SPANISH I (CP)**1.0**

In Spanish I, emphasis is placed on building vocabulary and mastering present tense verbs as well as introducing the preterit and future tenses. Students also learn about various aspects of Hispanic culture in context and begin to develop reading, writing, listening and speaking skills to lead towards a communicative competency.

(ILS102) SPANISH II (CP)**1.0**

In Spanish II vocabulary is expanded and conversational skills are further developed through skits, student presentations, interviews and real language practice. Teachers will use Spanish as much as possible. Students will be encouraged to speak more Spanish in the classroom. More complicated grammatical concepts are investigated and reading and writing skills are improved. The study of Spanish-speaking cultures is continued through short readings, presentations, films, skits and discussion.

(ILS103) SPANISH III (CP)**1.0**

Spanish III begins with a review of Spanish II grammar and vocabulary after which students further expand their Spanish skills with thematic vocabulary and more advanced grammatical structures. The teacher will speak increasingly more Spanish and it will be expected students do the same in class. Conversational skills are developed through peer dialogues, class discussions and oral reports, and writing is improved through short student papers and research projects.

(ILS104) SPANISH IV (CP)**1.0**

Spanish IV students are expected to communicate in Spanish to the best of their ability. Further, students will develop a cultural competency of Spanish-speaking cultures including, but not limited to, the United States, Mexico, Spain and parts of the Caribbean. Students are introduced to various genres and styles of Hispanic literature including essays, short stories, poems and news articles. Students review grammatical concepts to refresh study skills. Discussions, essays, oral reports and art projects serve to consolidate conversational and writing skills as well as develop concepts and foster original thought in Spanish thus increasing a student's proficiency. Successful participation in this class with the honors option is a recommendation for AP Spanish.

(ILS105) SPANISH V (CP)**1.0**

Spanish V students continue to study Spanish-speaking countries in Central and South America, extending their cultural competencies through short readings, listening, speaking and advanced grammatical exercises. The course culminates with an authentic text project in June.

(ILS106) SPANISH LANGUAGE & CULTURE (AP)**1.0**

The AP Spanish Language and Culture course is comparable to a high intermediate or advanced low level college or university Spanish language course. Emphasizing the use of Spanish for active communication in real life tasks, it focuses on developing your abilities in the three modes of communication (Interpretive, Interpersonal, and Presentational) and strengthening your cultural competencies through theme-based instruction based on a variety of authentic resources, such as: newspapers, magazines, podcasts, blogs, advertisements, television programs, films, music, video clips, and literature. Grammar and vocabulary are developed through contextualized study. To be successful in this course, students are expected to exhibit proficiency on the Portrait of a Learner rubric.

(ILS107) SPANISH LITERATURE & CULTURE (AP)**1.0**

The AP Spanish Literature and Culture course is designed to provide you, the student, with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces you to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides you the opportunity to demonstrate your proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities).

TECHNICAL CENTER OFFERINGS

Technical courses are offered offsite and eligibility and registration should be coordinated through the school counseling department. These courses require students to attend informational sessions and submit an application.

CONCORD REGIONAL TECHNICAL CENTER (CRTC)

Since 1980, the Concord Regional Technical Center (CRTC), has helped students from 12 area high schools earn a tremendous head start towards developing and implementing their college and career plan. CRTC graduates stand out to college and military recruiters, employers, and career professionals, due to the high level of preparation and real-world education provided to students. As part of our mission, vision and core beliefs, the CRTC utilizes a Career Pathway model to help students reach their goals in the most strategic manner possible. The advantages in attending the CRTC are including but not limited to:

- Engaging in meetings, internships, and job shadows with career professionals
- Earning nationally recognized industry certificates and/or licensure
- Completing college classes (with transcripts) deeply discounted or at no cost
- Acquiring (with evidence) industry-ready technical skills
- Demonstrating (with evidence) employability/workplace-ready professional skills
- Attaining targeted, career-specific writing, presentation, and math skills
- Working in an entry-level position in the industry
- Developing the beginnings of a professional network

Unlike most courses in high school, students are required to apply to their desired CRTC program. The application, available at theCRTC.org, involves students telling us a bit about themselves. We also review attendance, transcripts, and other information as part of this process.

PROGRAMS/CLASSES

Year I	Year II*	Year III
Automotive Technology I	Automotive Technology II	Customized CRTC+ program
Business I	Business II	
Computer Engineering I	Computer Engineering II	
Construction Trades I	Construction Trades II	
Cosmetology I	Cosmetology II	
Criminal Justice I	Criminal Justice II	
Culinary and Pastry Arts I	Culinary and Pastry Arts II	
Education and Behavioral Science I	Education and Behavioral Science II (2 Strands): Education or Behavioral Science	
Emergency Services I	Emergency Services II - EMT (Fire I off site)	
Graphic Design and Creative Media I	Graphic Design and Creative Media II	
Health Science I	Health Science II (3 strands): LNA; or Sports Medicine & Rehab; or ELO	
Theater and Film: Acting I	Theater and Film: Acting II	
Theater and Film: Production & Design I	Theater and Film: Production & Design II	

***Acceptance to Year II is competitive and students are invited to return based on their Year I performance.** If you start as a sophomore, you will have the opportunity to customize your 3rd year through our CRTC+ program.

Find the full CRTC Program of Studies on their website. <https://thecrtc.org/>

SUGAR RIVER VALLEY TECHNICAL CENTER:

Students interested in courses offered by Sugar River Valley Technical Center must:

- Submit an application
- If accepted, students must interview for final acceptance

Kearsarge Regional High School reserves the right to cancel any class due to staffing changes, under-enrollment, scheduling conflicts and/or budgetary constraints.

- Provide their own transportation to and from the program
- Be in good academic standing

Unlike most courses in high school, students are required to apply to their desired SRVTC program. The application, available on their website, involves students telling us a bit about themselves. We also review attendance, transcripts, and other information as part of this process. For more information, please visit their website at <https://www.sau43.org/o/srv-rtc>

PROGRAMS/CLASSES

Year I	Year II
CTE Animal & Plant Sciences I	CTE Animal & Plant Sciences II
CTE Forestry & Natural Resources I	CTE Forestry & Natural Resources II
CTE Welding Technology I	CTE Welding Technology II
CTE Emergency Medical Technician Program	(Only a one year program)