

FAIR HAVEN UNION HIGH SCHOOL Program of Studies

2011-2012



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The Fair Haven Union High School Board reserves the right to alter this Program of Studies prior to the opening of the 2011-2012 school year.

MISSION STATEMENT

Fair Haven Union High School, in partnership with the community, will promote in all students the knowledge and skills necessary to become independent thinkers, effective communicators, and responsible productive citizens in the global community.

Fair Haven Union High School students will:

Communicate effectively using verbal, written, artistic, and technical forms of communication.
Have the skills necessary to be successful in post-secondary education, the military, or employment.
Be able to develop, explain, and apply an organized process for problem solving.
Demonstrate personal and social responsibility by contributing to a safe and well-disciplined academic environment.

Fair Haven Union High School will:

Provide a safe and orderly environment conducive to learning.
Provide the resources, staff, and facility necessary for each student to achieve his/her individual potential.
Provide an integrated, diverse, and challenging curriculum that meets the changing needs of students.
Provide and adequately fund a wide variety of co-curricular/extracurricular activities that promote students' personal and social development.
Provide a variety of student services, which are based on the active, positive involvement of parents, faculty, administration, and community members.

1440 Civil Rights Compliance

Non-Discrimination Policy

In accordance with Title VI of the Civil Rights Act of 1964, Title IX of the Higher Education Act of 1972, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act, the laws of the State of Vermont, and the rules and regulations promulgated by the Secretary of Health and Human Services and Secretary of Education, it is the policy of Fair Haven Union High School that no person will be discriminated against on the basis of race, color, national origin, sex, sexual orientation, creed, disability or handicap in admission to, access to, treatment in or employment in its programs and activities. It is the intent of the District to ensure that students who are handicapped or disabled within the definition of Section 504 of the Rehabilitation Act of 1973 are identified, evaluated and provided with appropriate educational services.

Fair Haven Union High School Board – APPROVED: 10/18/1993

The following person has been designated to handle inquiries regarding the nondiscrimination policies:

Superintendent of Schools
Addison-Rutland Supervisory Union
49 Main Street Fair Haven, VT 05743
Telephone: 265-4905

FROM FHUHS GUIDANCE DEPARTMENT

The Program of Studies for 2011/2012 is a valuable tool that should be used to initiate dialogue between students, parents, teachers and school counselors. This dialogue is essential for students as they plan their course selection for the upcoming school year. Conversations should involve post-secondary plans; course selection can support and prepare students for a wide range of post-secondary options. The program of studies outlines the graduation requirements that were enacted beginning with the class of 2008. More courses are listed in the Program of Studies than will be offered at Fair Haven Union High School. An attempt to accommodate as many selections as possible will be made, but the final course offerings will be based on student interest.

The process of course selection requires careful thought and consideration. It is imperative that you spend time reading the Program of Studies and talking with teachers, parents/guardians and your school counselor.

Students will have the opportunity to discuss appropriate course enrollment with their teachers, parents and school counselors. Students are encouraged to meet with their counselor to discuss courses needed to meet graduation requirements and appropriately address post-secondary options. It is expected that students will have carefully chosen their course selection and the need to alter schedules after final selection will be reduced.

Each course listed contains a description of the course, and prerequisites (if any). Students are encouraged to explore academic interests through selection of a diverse course load. Students need to be an active participant in their education and that begins with academic planning and course selection.

The Guidance department looks forward to a successful academic year.

GRADUATION DIPLOMA REQUIREMENTS

In order to graduate and receive a diploma from Fair Haven Union High School, students must earn a specified number of credits in core subject areas.

All students must accumulate a minimum of 22 credits in the following core areas to receive a diploma.

English **4**

Social Studies **4** (must include U.S. History)

Mathematics **3**

Science **3**

Health **.5**

PE **1.5**

Fine Arts **1**

Computer Literacy **.5**

Technology Education or Consumer and Family Studies **1**

Electives **3.5**

All students should register for a minimum of 6.5 credits per year.

Note: In accordance with IDEA (Individuals with Disabilities Education Act), students identified with any learning or physical disabilities will have an individual educational plan formulated to assist them in meeting the above graduation requirements.

Life Skills

A life skills curriculum is in place for those students who need assistance to meet academic and social requirements.

PLANNING A HIGH SCHOOL PROGRAM OF STUDIES

When planning a student's four-year program of studies, consideration must be given to the student's future educational and career plans as well as the requirements necessary to graduate from Fair Haven Union High School.

Colleges and universities, including two-year colleges, have different admission requirements depending on the selectivity of the school or the specific major or programs offered. Many occupations also have very specific entry-level skills required for employment. Students should consult with their counselor and keep these considerations in mind when making course selections.

EARLY GRADUATION

A student may be permitted to graduate from Fair Haven Union High School at the end of three years instead of the traditional four by special application and parental endorsement, as well as approval from the Principal and School Counselor. Application for three year graduation must be made before the end of the sophomore year. The student must demonstrate that he/she has an overall average of 85 or above by the end of Grade 10. Please see Parent/Student handbook for more details.

DETERMINATION OF CLASS STANDING

The following earned credits determine a student's class standing:

Sophomore - 4 credits

Junior - 9 credits

Senior - 14 credits

Class standing is based on credit standing at the beginning of the school year. Any summer/correspondence courses must be completed and submitted prior to the beginning of the school year. Class standing may be adjusted for: a student who has received board approval for early graduation; students who become eligible for graduation during the academic year.

MARKING SYSTEM

Marks are issued four times per year at Fair Haven Union High School. Each teacher is free to set the standards of performance expected in the course and to assign the mark, which reflects the student's performance.

In the interest of uniformity the following marking system and definitions are employed:

A+ Excellent	97 - 100
A	93 - 96
A-	90 - 92
B+ Good	87 - 89
B	83 - 86
B-	80 - 82
C+ Average	77 - 79
C	73 - 76
C-	70 - 72
D Poor	65 - 69
F Failure	0 - 64

I Incomplete

P Pass

WF Withdrawal Fail Averages as zero in GPA

WP Withdrawal Pass No impact on GPA

Some courses may be graded on a pass/fail basis. (By Administrative approval, prior to course enrollment.)

Incomplete grades must be made up within two weeks from the close of the marking period or current numerical grade will be recorded.

HONOR ROLL

Fair Haven Union High School has three honor rolls recognizing different degrees of distinguished scholarship. Eligibility for these honor rolls is governed by the following levels of achievement:

Merit List No grade below 83

Honors At least two grades 90 or above and no grade below 83

High Honors All grades 90 or above

Honor Rolls are based upon marking period averages, not semester averages.

COURSE LEVELS, CATEGORIES and WEIGHTS

Courses at Fair Haven Union High School are categorized by level of difficulty. The terms ADVANCED, COLLEGE PREPARATORY/HONORS and GENERAL also categorize courses.

- Advanced courses (six weight) are courses that are the most challenging and require above-average ability for success.
Certain courses may require teacher permission for appropriate level placement.
- College/Preparatory Honors courses (five weight) are courses that are more demanding in nature and require above-average ability for success.
- General courses (four weight) are courses that meet diploma or elective credit requirements and also prepare students for a post secondary education.

Advanced (Six Weight)

AP Biology	AP US History	Spanish IV and V
AP Calculus AB	French IV and V	Western Civilization
AP English Literature	Introduction to Sociology	

College Preparatory Courses/ Honors (Five Weight)

Accounting II	History of the Non-Western World	Honors Pre-Calculus
CAD 2D Engineering	Honors Algebra I	Honors Symphonic Band
CAD 3D Engineering	Honors Algebra II	Honors US History
CAD Animation	Honors American Literature	Introduction to Psychology
Child Development	Honors British Literature	Music Theory II
CP Biology	Honors Calculus	Photography
CP Chemistry	Honors Civics and Geography	Spanish III
CP Physics	Honors English 9 and 10	Voice and Vision
French III	Honors Geometry	

General Courses (Four Weight)

All other courses.

GRADE POINT AVERAGE: WEIGHTED AND UNWEIGHTED

Fair Haven Union High School calculates a student's grade point average in two ways: weighted and unweighted.

- Weighted Grade Point Average is determined by values assigned to courses designated as General, CP/Honors, or Advanced. Advanced courses have a value of 1.1; CP/Honors courses have a value of 1.05; and General courses have a value of 1. The student's final grade in a particular course is multiplied by the value of that course and the credit earned in that course. A full year course earns one credit, a half year course, one half credit. The sum total of the (grade times the course value times the course credit) is then divided by the number of credits the student has attempted. The resulting number is the student's weighted grade point average. (Grade X Weight X Credit, Divided By Credits Attempted).
- Unweighted Grade Point Average is determined in the above manner without the values given to the AP/Honors, College Prep, General courses. (Grade X Credit, Divided By Credits Attempted).

Note: Courses that are graded with a "P" (pass) "F" (fail) are not included in the grade point calculation.

CLASS RANK – VALEDICTORIAN, SALUTATORIAN

The Weighted Grade Point Average determines a student's class rank. The higher the student's weighted grade point average, the higher that student ranks in his or her class.

The valedictorian (highest ranking member of the senior class) and the salutatorian (second highest ranking member of the senior class) are selected after the completion of the seventh semester of the senior year, based on the student's cumulative weighted grade point average.

A student's Unweighted Grade Point Average is used in accordance with the bylaws of the National Honor Society, to determine a student's eligibility for the school's chapter of the National Honor Society. A student's weighted grade point average is also used in selection of seniors designated as "Honor Students" at graduation ceremonies.

Note: A student's weighted grade point average and weighted class rank are listed on the student's transcript and permanent record.

ELIGIBILITY FOR EXTRACURRICULAR ACTIVITIES

If a student fails more than one course in any marking period, the student will be ineligible to participate in any extracurricular activities during the following marking period. If a student fails one course and has a total marking period average of less than 70, the student will be ineligible to participate in any extracurricular activities during the following marking period. The eligibility period will commence on the day report cards are issued with the exception of the final marking period, which will begin on the day school starts in the fall. Student must turn in all uniforms at that time pending reestablishment of eligibility. Please note that eligibility for fall sports and activities is based on the fourth marking period of the previous school year.

1. Ineligible students may remain eligible for practice only, if they attend the Homework Success Program. It is required that a student attend the Homework Success Program an hour each day for a minimum of 10 days to remain eligible for practice. Ineligible students will be able to fully participate in extra-curricular activities once they have a minimum of 75 in all classes. Ineligible students may not travel, dress (wear any part of a uniform), sit with or assist the team/club during any game or performance.

2. Ineligible students may request a review of their eligibility status at the mid point of the marking period. These dates will be determined by the administration. Students who are passing all subjects at that time will be eligible for full participation in activities once eligibility has been verified.

3. Ineligible students may request a review of their eligibility status ten calendar days before the mid point of the marking period date, or end of the marking period date, for the purpose of conditioning, and practice.

If they are passing all subjects at that time they are eligible to practice only. Students may not travel with the team, dress (wear any part of the uniform at any time), sit with or assist the team during the above ten-day calendar period. At the mid point and end of each marking period date, students again must verify that they are passing all subjects before full participation.

4. All eligible athletes must meet the 10 days practice requirement established by the Vermont Principals' Association. Fair Haven Union High School requires that the 10 days of practice occur immediately before full participation in the sport.

5. The option of replacing a final marking period grade with a passing grade from an equivalent summer course may result in a change in eligibility.

6. If you have an incomplete grade on your report card, this will be considered a failing grade toward eligibility unless:

- a. It is for a grade not yet received from the Stafford Technical Center.
- b. It is due to prolonged illness and has been cleared by the administration.

WARNED: August 20, 2008

APPROVED: September 8, 2008

Fair Haven Union High School Board

COURSE CHANGES

It is the policy of the Administration and the Guidance Department that all students will have finalized their schedules prior to the beginning of school. At the time of registration in the spring, students are reminded that they should make careful selection of the courses that they select. The school counselors will assist students in making choices but the final responsibility for the decision lies with the student and their parents.

The purpose for this strong policy is to impress students with the need for making careful choices. Their choices determine the school's master schedule, which coordinates the utilization of facilities and personnel. Course changes will not be made for teacher preference.

POLICY ON DROPPING COURSES

Students who withdraw from courses in the first two weeks of a course will not have the name of the course entered on their transcript. No penalty will be attached to dropping a course in this first two week period. However, a withdrawal after the first two week period will be reflected on the transcript with the current grade of WP (withdrawal passing) or WF (withdrawal failing). A teacher may request a student be withdrawn from a class before the end of the first marking period without penalty with administration approval. The course will be removed from the student's transcript. A withdrawal grade will be placed on the report card and be considered in determining eligibility for extracurricular activities.

INDEPENDENT STUDIES

A student wishing to extend their studies in a curricular area through Independent Studies should gain the approval of an advising teacher and the appropriate Department Chairperson before registering. It is expected that the student will generate a contract with the advising teacher for which the student is registered. The student, advising teacher, Department Chairperson, School Counselor and a parent, must sign the contract. All signing parties must approve later modifications to the contract.

FHUHS TESTING

Fair Haven Union High School believes that standardized testing can be a useful tool to examine: student performance; skill mastery; and post secondary exploration. All students taking standardized tests will attend a results meeting with school counselors to review performance and interpret results. Any questions regarding testing or result interpretation should be directed to the Guidance department. Students will engage in standardized testing over the course of their high school career. Tests are as follows:

Test	Grade(s)	Timeframe	Notes
Accuplacer	12	Fall and Spring	For Dual Enrollment - Optional
ACT	11, 12	Fall and Spring	College Entrance Exam - Optional
Advanced Placement (AP)	11, 12	Spring	Optional
ASVAB	10, 11	Fall at FHUHS or with Recruiter	Optional
NECAP	11	Fall and Spring	Required
PLAN	10	Fall	Required
PSAT	10, 11	Fall	Grade 11 - Required; Grade 10 - Optional
SAT Reasoning	11, 12	Fall and Spring	College Entrance Exam - Optional
SAT Subject	11, 12	Fall and Spring	College Entrance Exam - Optional

Academic Supports

9th Grade Support Program

This is a ninth grade transitional program for students entering Fair Haven Union High School. Its purpose is to increase student academic achievement by providing ninth graders with the support and strategies that they need to succeed in high school. Students remain with their cohort teachers for the classes of math, science, social studies and English. The program's cohort teachers introduce common themes and strategies in order to support positive student social interaction and academic achievement.

Homework Success Program

The Homework Success Program takes place in the FHUHS library from 3:00 to 5:30 p.m. after school Monday through Friday, with the exception of the first Tuesday of the month due to faculty meetings. Students voluntarily use the available time, space and resources to get their homework assignments and projects completed on time. An FHUHS librarian is there for support. The goal is for improved student academic performance.

FHUHS Math Lab

To help students meet the high expectations set forth in our rigorous curriculum, FHUHS has implemented a Math Lab. The Math Lab is **REQUIRED** for students who were not successful in their past math course if a student's mathematics graduation requirements have not been met. Students will also be selected for Math Lab throughout the year based on marking period grades and or mid-marking period grades. When a student receives a passing marking period grade for two consecutive quarters, they will no longer be required to attend Math lab; students may continue to attend if they choose. The lab is also available to any student wishing to receive help in completing his/her homework or classroom assignments on a walk in basis. The Math Lab staff is also available to help reinforce material taught in each class.

FHUHS Reading/Writing Lab

Students selected for the lab should have one or more of the challenges in meeting the state standards for reading and writing. Priority should be given to students who are not already receiving academic assistance in reading and writing. Disciplines other than English may recommend students for inclusion in the program. The lab serves to facilitate student learning; therefore, the curriculum will much depend on the individual student's course work and assignments. While some of the skills may be instructed at a large group level, much of the practice must meet each individual student's needs.

Enrollment

Since much of the work will require tutorial instruction, the enrollment in each lab should not exceed ten students. If in the opinion of the instructor the student has made satisfactory progress or has reached a plateau, a student may leave the program. A student may continue in the program as long as he or she continues to progress and work toward academic improvement.

FHUHS Learning Annex

The Learning Annex (LA) is an off-site, alternative education program that is currently in development and implementation for students at Fair Haven Union High School. The Learning Annex offers a smaller environment with a student staff ratio of approximately three to one. The purpose of the Learning Annex is to support FHUHS students whose needs cannot be met in the traditional classroom, or students who wish to incorporate more experiential learning into their educational career.

This program offers Student Based Project Learning, Experiential and Service Learning experiences. Student based project learning will encompass a student's particular interests. An individualized education plan will be designed, in conjunction with the student, parents, guidance and teachers. An individual educational program is designed to meet the interests of the student, while incorporating work experiences, service learning and the needs for particular learning objectives. All students will be placed into a work/internship/apprenticeship situation that will complement their individualized learning plan. In addition, service learning is a core component of this program. Service learning is a method of teaching through which students apply their academic skills and knowledge to address real-life needs in their own community. These experiences teach skills of civic participation and responsibility and assists in the development of ethics and morals.

Business Technology Education

Computer Applications

½ Credit

We are in what is known as the “Information Age.” In order to be competitive in the job market or be prepared for post-secondary education, students must have computer skills. The overall objective of Computer Applications is to introduce learners to basic and advanced features of the Microsoft Office applications – Word, PowerPoint, and Excel. The course will also focus on the use of open source software, web 2.0 tools, blogs, wikis, graphics and internet. It is designed for computer users with average keyboarding skills.

Assignments: Students will complete various projects in each of the applications.

Prerequisite: Keyboarding skills of 30 words per minute with one error or less are strongly recommended.

Grade level: 9, 10, 11, 12

Course length: Semester

(Meets the Computer Applications graduation requirement)

Intro to Computer Applications

½ Credit

To be competitive in the job market or be prepared for post-secondary education, students must have computer skills. The objective of this course will be to improve Keyboarding and the fundamental skills used to enter information quickly and efficiently into the computer and also to develop speed and accuracy. This course will provide students with a basic understanding of Computer Applications and introduce: Microsoft Word, Excel and PowerPoint along with various Web 2.0 tools, open source software, blogs, and wikis. This course is designed for students with minimal keyboarding and computer knowledge.

Assignments: Students will complete various projects in each of the applications.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

(Meets the Computer Applications graduation requirement)

Keyboarding

½ Credit

To be competitive in the job market or be prepared for post-secondary education, students must have computer skills. Keyboarding is a fundamental skill used to quickly and efficiently enter data into the computer. This course will develop speed and accuracy at the keyboard and introduce basic business documents.

Assignments: Students will complete reports, tables, business letters, personal business letters and memorandums in acceptable styles.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Desktop Publishing

½ Credit

Desktop publishing has become one of the fastest growing microcomputer applications. Students will learn several applications with aspects of combining text and graphics using a computer to create attractive and stimulating publications. Students will discover the art of page layout, typography, color and illustration. Experiment with graphics-pictures, type fonts, borders, cartoons, etc. Students will complete various projects based on the “Global Marketing Research Company” simulation.

Keyboarding skills of 30 words per minute with one error or less are strongly recommended.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

eCommerce

½ Credit

Regardless of which career the students choose, understanding how the Internet can be effectively used to communicate and conduct business with customers will enhance their chances for success and make them more highly valued when they enter the workplace. The class will create virtual businesses and a community activity. They will design a website to promote their product. Additional activities may include creating a business plan and exploring options to generate funds.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Multimedia

½ Credit

This course provides participants with an overview of multimedia concepts and vocabulary. This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. Scanning images, digitizing video and audio, and exploring the design and production of interactive multimedia are the focus of this class. These documents may include, but are not limited to, brochures, newsletters, flyers, business forms, graphs, web pages, on-screen presentations, and video productions. Scanners, digital cameras, video cameras and color printers may be utilized in creating distribution ready materials. Students will develop communication skills, problem solving techniques, cooperative learning, and interpersonal skills. Students will use a variety of software, open source ware, and internet applications to improve their computer skills.

Prerequisite: Computer Applications

Grade level: 9, 10, 11, 12

Course length: Semester

Personal Finance

1 Credit

This course informs students of their various financial responsibilities and provides them with opportunities for self awareness, expression and satisfaction in a highly technical competitive society. Several simulations are used to enhance their financial knowledge and the curriculum is tailored to include the following:

Career Decisions (choosing a career, getting a job, work laws and responsibilities); Money Management (pay, benefits, working conditions, federal income tax, checking accounts, other banking services); Financial Security (saving and investing in your future, investing in bonds, stocks, retirement, estate planning); Credit Management (credit records and laws, responsibilities of credit, problems with credit, managing your debt); Resource Management (renting or purchasing a home, buying and caring for vehicle); Risk Management (property management, health and life insurance); Consumer Rights and Responsibilities (consumer protection, free enterprise system, dispute resolution).

Prerequisite: None

Grade level: 11, 12

Course length: Full year

Introduction to Business

½ Credit

This course provides an introduction to the nature and activities of business enterprises within the United States. Course content introduces economic systems, essential elements of business organization, production, human resource management, and marketing, finance, and risk management. Key objectives of the course are development of business vocabulary and a fundamental understanding of how businesses operate and make profit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Business Communications

½ Credit

Business Communications will help students acquire effective communication skills essential for career success. Students will develop a firm base in language arts and will enhance their decision-making, collaboration, and presentation skills. Business related topics such as stress, business ethics, listening and management skills will also be covered.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Office Procedures

½ Credit

This course is designed for the student who wishes to pursue a career in an office. Work attitudes, human relations, job search skills, work ethics, telephone etiquette, records management, various office machine operation and computer applications will be covered.

Assignments: Students will complete simulations to gain experience in the above mentioned topics.

Prerequisite: None

Grade level: 10, 11, 12

Course length: Semester

Introduction to Marketing

½ Credit

This introductory course is designed to expose students to skills necessary for success in the business workplace. Students will explore the nine functions in the marketing mix. Additional topics will include: Communication Skills, Business Ethics, Interpersonal Business Skills, Cash/Inventory Controls, and Career Development.

Assignments will include case studies, unit labs and designing a creative marketing mix for a specific target market and product.

Prerequisite: None

Grade level: 10, 11, 12

Course length: Semester

Marketing II

½ Credit

Students will enhance their marketing skills through a “hands on” approach. A product/service will be developed by each student and taken through the nine marketing functions. Additional emphasis will be placed on advertising and promotion execution. Area businesses and web site resources will be approached for insight.

Assignments: Students will write a written report on their product/service complete with visuals. Students will also be prepared to present their ideas to a prospective employer to demonstrate their knowledge of key marketing terms and principles.

Prerequisite: Introduction to Marketing

Grade level: 11, 12

Course length: Semester

Business Technology

Accounting I

1 Credit

The student learns how to apply the steps of the accounting cycle to various types of businesses. The ability to analyze monetary business transactions will be emphasized. There will also be an introduction to automated accounting. Since accounting is defined as the “language of business,” this course is perhaps the most important in preparing students for a variety of business careers. Assignments: Accounting simulations will be completed giving the students practice in accounting for a proprietorship run service business, and accounting for a merchandise business run by a partnership.

Prerequisite: None

Grade level: 10, 11, 12

Course length: Full year

Accounting II (5 weight)

1 Credit

This course is an extension of Accounting I and applies the basic accounting principles to more involved accounting situations. Assignments: Accounting simulations will be completed giving the student practice in Partnership, Corporate and Payroll Accounting. These practice sets will cover a one-month period and include preparation of financial statements. In addition, students will become familiar with both electronic spreadsheets and automated accounting.

Prerequisite: Accounting I

Grade level: 11, 12

Course length: Full year

Successful completion of Accounting I and II equals one Math credit.

Career Seminar

1 Credit

Is there life after high school? For the past twelve (or more) years, the student has been a part of a school community. The time is approaching for this chapter in each of the student’s lives to close and a new and exciting chapter to open. This course is about helping the student explore and plan for life after high school. The student will learn about different paths that he/she could take after graduation including taking time for a service activity, traveling, attending college, joining the military, and so much more. This course also gives the student information about several important life skills including tips on wellness and health, personal finance, purchasing a car, and finding a place to live. This course allows the student to explore and become familiar with all of the different options available after graduation. Emphasis will be placed on filling out job applications, creating resumes, interviewing skills, practicing work place communication, and designing a career plan. This course is required for work-study students and is an elective for all students. This course will also allow students to complete an “on-line” real life scenario called On Your Own.

Prerequisite: Students who meet application deadlines and course criteria.

Grade level: 11, 12

Course length: Full year

Work Study

up to 2 Credits

Those students interested in the Work Study Program must attend an orientation meeting and complete an introduction assignment. This meeting typically takes place in June. The application package will be given out during this meeting. Students must be prepared to express how the work study experience directly affects career goals. Work Study applications will be denied if the relationship is not apparent. When registering for courses students will be scheduled for a full day of classes. Upon acceptance into the Work Study Program, the course load will be reduced to 4 academic courses. If a student is terminated or withdraws from a position of employment, they are required to have an exit interview with the employer and the work study coordinator. The student will then receive an unsatisfactory grade and no credit, and be required to return to a full day of classes. Dropping this course or being released from your employment will result in a loss of credit and a “WP or WF” will appear on your transcript. Students will be required to return to a full day of school.

The work study program is designed to help students develop basic work skills, as well as gain competence in a chosen occupational field that relates to their career goals. Students selecting Work Study are required to successfully complete the Career Seminar course. Students may not be employed by any relative or family member. Work Study students will be monitored by attendance check via phone and work site visits by the Work Study Coordinator. Students will be evaluated each marking period, and a grade of Pass or Fail will be given. Grades will be based on attendance, journal, employer evaluation, mid-term and final exam. All assessments need to be completed satisfactorily in order to receive a passing grade. Successful completion of the Work Study Program will earn students 2 credits toward graduation. Students need to meet the minimum Carnegie credit requirement of 240 hours. This does not imply that a student may stop work once the minimum hours have been reached. Guidelines for the Work Study Program will be included in the Work Study application package.

Students must be enrolled in 4 academic courses, unless an exception is approved by an administrator.

Prerequisite: Students who meet application deadlines and course criteria.

Grade level: 11, 12

Course length: Full year

Consumer and Family Studies

Child Development (5 weight)

½ Credit

This course is designed to provide students with an opportunity to work with children. Learning through classroom instruction and active participation in the preschool setting encourages an understanding of development. Planning curriculum, activities, organizing and running the preschool class are the focus of this course. Students learn about child development theory and apply the theory when creating the preschool curriculum through running the preschool. Students who are considering careers working with families and children (social work, education, day care, health care, counseling, therapy, and community services, etc.) are encouraged to take this course.

Students are responsible for written work as well as projects. Each student is required to participate in the eight session preschool practicum and the FHGS Early Essential Education field experience.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Child Psychology

½ Credit

Students will gain insight and understanding of the child's world by focusing on the importance of attachment, environment and early brain development.

Topics include: Human development and research, the principles of brain development, behavior learning theory, birth order, life cycle, conflict resolution, stress, decision making, discipline and behavior management, child abuse, alcohol and family systems, divorce, grief and loss process, blended and traditional families, and adoption. Students who are considering careers working with families and children (social work, education, day care, health care, counseling, therapy, community services, etc.) are encouraged to take this course.

Participation in the Early Education and Preschool Programs is a course requirement.

Students are responsible for written work as well as projects.

May be used for social studies credit or elective credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Family Issues

½ Credit

This course offers students the opportunity to build skills required for successful relationships, living on your own and to explore the impact of family systems on personal development. Topics include: Family systems and process, communication, conflict resolution skills, apartment rental and money management, relationships and emotional intimacy, and family violence. Students who are considering careers working with families and children (social work, education, day care, health care, counselor, therapist, community services, etc.) are encouraged to take this course.

Participation in the FHGS Early Education Program is a course requirement.

Students are responsible for written work as well as projects.

May be used for social studies credit or elective credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Foods

½ Credit

Learn basics of food preparation. This semester course will offer the student the opportunity to become competent in the kitchen. Cooking experiences include making pies, yeast and quick breads, soups, salads, main dishes, meats and desserts. Have fun learning skills that will last a lifetime and benefit the student and the student's family today. This course is a valuable experience for all students personally, as well as students interested in such careers as food service, hotel/motel management, health services, dietetics and nutrition, child-care and food science.

Students complete some written work regarding safety and food theory. Students create lab plans and participate in group preparation of food in a kitchen lab.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Ethnic and Advanced Foods

½ Credit

This semester course introduces cultural food traditions of the world and encourages students to go beyond basic cooking. Foods from around the world may include French, Spanish, Italian, German, Greek, Mexican, African, Chinese and others. Regional foods of America may include Native American, Pennsylvania Dutch, Creole and Cajun, Tex-Mex, and Hawaiian. This course is a valuable experience for all students personally, as well as students interested in such careers as food service, hotel/motel management, health services, dietetics and nutrition, child-care and food science.

Students research customs and recipes of each country. Students create lab plans and participate in group preparation of food in a kitchen lab.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Sports, Foods and Fitness

½ Credit

If you are interested in learning more about a healthy lifestyle, analyzing your daily diet on the computer, questioning the credibility of current health information and assessing your personal fitness, this is the class for you. A variety of cooking experiences provide students with an opportunity to modify recipes and prepare healthy foods. Students also explore different approaches to lifetime fitness.

Students complete written work in the areas of safety, nutrition and fitness. Students create lab plans and participate in group preparation of food in a kitchen lab.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Textiles and Design

½ Credit

Be creative! Students learn to sew, to combine fabrics and explore principles of design and color.

Projects may include: quilts, clothing or other based on student interest, experience and ability.

While students spend the majority of class time producing projects they will complete written work about machine safety, pattern selection and sizing, fabric selection, color and design. Students supply materials for a project of their choice. Those who have taken Fashion and Design will have the opportunity to apply the skills and knowledge learned in that course. Students considering careers in fashion, interior design, graphic arts, merchandising and marketing, tailoring, clothing and textiles will find this course helpful.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Fashion and Design

½ Credit

Students in Fashion and Design learn sewing techniques including appliqué, piece quilting, machine and hand embroidery projects. Students may choose to create quilts, clothing or other items based on their interest, experience and ability. Students who have taken Textiles and Design will have the opportunity to complete more difficult projects, applying the skills and knowledge learned in the Textiles and Design class. While students spend the majority of class time producing projects they will complete written work about designers and history of fashion. Students supply materials for a project of their choice. Those who have taken Textiles and Design will have the opportunity to apply the skills and knowledge learned in that course. Students considering careers in fashion, interior design, graphic arts, merchandising and marketing, tailoring, clothing and textiles will find this course helpful.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Peer Mediation and Conflict Resolution

½ Credit

This course offers extensive training in the basic skills and problem-solving strategies of conflict resolution, negotiation, and peer mediation. The study of non-violent communication can enable students to see constructive conflict as a part of everyday life and as an opportunity to make a difference in the world. Students practice skills in small groups and participate in role-playing.

Completion of this course will meet the training requirements for any students who wish to apply for the position of a peer mediator at FHUHS. Students considering people centered careers are encouraged to take this course.

Class is co-taught. Written assignments include conflict journals, research on nonviolence and classroom activities. Class participation is an important part of a student's grade.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Driver Education

Driver Education

½ Credit

Students are required by the State of Vermont to have had 30 content specific hours of classroom instruction, 6 hours of behind the wheel instruction, and 6 hours of observation. Parent/Guardian is required to provide an additional 20 hours of home practice driving. A competency level of 65% is required as an average of all homework, quizzes, notebooks, projects, and driving classes. Students who do not fulfill state requirements will not be awarded the yellow certification card that permits them to be tested for their Junior Operator's License.

Classroom instruction includes units on Our Highway Transportation System, Vehicle Capabilities and Limitations, Occupant Restraint Systems, Driver Competencies and Limitations, Impairments to Driver Abilities, Owning and Driving Cars, Fuel Efficient Driving and Trip Planning, and Interaction With Other Highway Users. Behind-the-wheel instruction includes units on Car Control Habits and Skills, Basic Maneuvers, Perception of Traffic Situations, Positioning and Timing, Parking Situations, Evasive Maneuvers and Emergencies, and a Road Test Situation. Seniors, Juniors, Sophomores, in that order, will have preference in registration for this course.

Note: The State Education Department and the Department of Motor Vehicles require 30 hours in the classroom and more than five absences in a semester may result in loss of credit.

Prerequisite: Students must have a valid VT State permit.

Grade level: 9, 10, 11, 12

Course length: Semester

After School/Summer Driver Education

½ Credit

After school and summer driver education sessions are offered in an effort to accommodate students **who are unable to fit driver education into their regular school-day schedule.**

The same State of Vermont requirements apply as in the day program. Also, only a doctor's medical excuse may be accepted for missed class time and that time must be made up in the next *After School* course.

These sessions are by application through the Guidance Office, with first priority given to seniors, then juniors, then sophomores, and then freshmen. Priority within each class is based on age. Priority will also be given to students who have not taken drivers education in previous sessions. The dates of each session are listed on the application and the student and parents must commit to the times specified to meet state requirements, as make-up time is not available. Students must have and show a valid learner's permit in order to apply. Transportation to and from the after school and summer driver education sessions is the responsibility of the student and their parents. Students who successfully complete the program will receive .50 credits toward graduation.

Enrollment in each driver education class at Fair Haven Union High School is limited.

Prerequisite: Students must have a valid VT State permit.

Grade level: 9, 10, 11, 12

Course length: 5-7 weeks

English

Honors English 9 (5 weight)

1 Credit

Honors English 9 is a reading and writing intensive course devised to challenge students both in and out of the classroom. Students who elect to take this course should be analytical readers and independent thinkers. This course introduces students to a close study of a number of genres of literature including the epic, the novel, the short story, drama, and poetry. Each unit of work incorporates appropriate lessons that reinforce students' already excellent reading, writing, listening, and speaking skills. Classroom time is devoted to extensive and thoughtful discussion as well as reading and writing responses. Students are expected to maintain a notebook and write a well-crafted response to literature. Students also participate in an advanced library unit. Instructors will teach and reinforce study skills.

Prerequisite: Meeting/exceeding standards on both Reading and Writing NECAPs or Department Chair approval

Grade level: 9

Course length: Full year

English 9

1 Credit

English 9 introduces students to a study of a number of genres of literature including the epic, the novel, the short story, drama, and poetry. Each unit of work incorporates appropriate lessons that build upon students' growing skills in reading, writing, listening, and speaking. Classroom time is devoted to discussion and completing study guides, as well as reading and writing responses. Students are expected to maintain a notebook and with teacher's instruction, produce responses to literature. Instructors teach and reinforce study skills. Students participate in a library orientation unit.

Prerequisite: None

Grade level: 9

Course length: Full year

Honors English 10 (5 weight)

1 Credit

Honors English 10 is a reading and writing intensive course devised to challenge students both in and out of the classroom. This course refines ninth grade skills by further study of the major genres of literature including the novel, short story, drama, nonfiction, and poetry. Classroom time is devoted to extensive and thoughtful discussion as well as reading and writing responses. Students are expected to maintain a notebook and write critical analysis essays as well as an extended research paper. Students utilize library resources for longer research projects and continue developing writing skills.

Prerequisite: A Grade of 85 or above in English 9 or Honors English 9 or with Department Chair approval

Grade level: 10

Course length: Full year

English 10

1 Credit

English 10 refines ninth grade skills by further study of major genres of literature including the novel, the short story, nonfiction, drama, and poetry. Each unit of work incorporates appropriate lessons that build upon students' growing skills in reading, writing, listening, and speaking. Instructors teach and reinforce study skills. Classroom time is devoted to discussion and completing study guides as well as reading and writing responses. Students are expected to maintain a notebook and with teacher's instruction, students write critical analysis essays and are exposed to the process of the research paper.

Prerequisite: None

Grade level: 10

Course length: Full year

English Language Learner (ELL)

½ or 1 Credit

ELL is for the student with a non-English language background. Placement is by the ELL Team only. The ELL team uses formal assessment to determine each student's level of proficiency, individual skills, and needs. In turn, this course addresses the individual's needs in reading, listening, speaking, and writing related to increasing English skills, as well as support in content area classes.

Assignments: Lessons involve reading, writing, listening, speaking, studying strategies, and cultural awareness.

Prerequisite: ELL team recommendation

Grade level: 9, 10, 11, 12

Course length: Semester and/or Full year

Individual Direct Instruction: Written Language or Reading

½ or 1 Credit

Students whose Individual Education Plan (IEP), 504, or 157 Plan stipulate direct instruction in written language and/or reading will receive direct instruction from special education and/or reading program teachers. English course credit may be given for direct instruction based on Carnegie Units. However, credit determination for direct instruction will be specified within the student's plan.

Assignments: Lessons involve reading, writing, listening, speaking, and studying strategies. Active participation is required.

Prerequisite: IEP, 504, or 157 Team recommendation

Grade level: 9, 10, 11, 12

Course length: Semester and/or Full year

Junior and Senior Choices

YEAR LONG COURSES

AP English Literature (6 weight)

1 Credit

This course resembles the freshman English courses taught in many colleges. The content offers three main strands running concurrently.

1. Language Study: This component introduces a scientific study of the ways language works.
2. Writing: This component stresses an analytical form of writing that will serve the student well on the AP exam and in college classes; emphasis will be given also to grammar, punctuation, and spelling.
3. Literature: This component covers college literature texts in the areas of the short story, poetry, drama, the novel, and nonfiction.

Preparation for the AP exam is also given. Students are expected to take the AP exam in May, possibly earning up to three college credits.

Prerequisite: Completion of a previous Honors English course with an 85 average or above or with Department Chair approval

Grade level: 11, 12

Course length: Full year

Honors American Literature (5 weight)

1 Credit

Honors American Literature is a reading and writing intensive course devised to challenge students both in and out of the classroom. Students who elect to take this course should be analytical readers and independent thinkers. The course introduces students to the works of a number of representative American writers of both the past and present. Instructors often place the literature into its historical context and promote discussion as to how the time period might have influenced the writer. Students engage in extensive outside reading, class participation exercises, and both expository and creative writing. One unit reviews and expands research skills, leading to the production of a longer paper organized using current MLA format.

Prerequisite: Completion of a previous English course with an 85 average or above or with Department Chair approval

Grade level: 11, 12

Course length: Full year

Honors British Literature (5 Weight)

1 Credit

Honors British Literature is a reading and writing intensive course devised to challenge students both in and out of the classroom. Students who elect to take this course should be analytical readers and independent thinkers. The course introduces students to the works of a number of representative British writers of both the past and present. Instructors often place the literature into its historical context and promote discussion as to how the time period might have influenced the writer. Students engage in extensive outside reading, class participation exercises, and both expository and creative writing.

Prerequisite: Completion of a previous English course with an 85 average or above or with Department Chair approval

Grade level: 11, 12

Course length: Full year

Voice and Vision:

Understanding, Interpreting, and Creating Text (5 weight)

1 Credit

A fundamental goal of Voice and Vision is for students to achieve the highest degree of literacy of which they are capable. An essential belief is that students should be active learners using reading, writing, listening, speaking, and solving communication problems of many kinds. Texts for Voice and Vision include such traditional forms as essays, short stories, poetry, novels, and a play by Shakespeare; however, students will also study media forms such as film, television, magazines, and newspapers. Students will learn to appreciate the many voices, including their own, that inform modern and contemporary culture.

Prerequisite: None

Grade level: 11, 12

Course length: Full year

SEMESTER COURSES

American Short Fiction and Drama

½ Credit

A semester long course featuring selections from Twentieth Century American short fiction and drama. Students will read and discuss representative short stories, novellas, and dramas. In addition to the reading, students should expect to write various types of essays, to perform scenes in class, to practice specific reading, vocabulary, and study skills. Students should expect to complete a longer research project or paper during the semester.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Creative Writing

½ Credit

A semester course designed as an outlet for student creativity. The goal is to provide opportunity, guidance, and feedback for student writers. The class will present a number of genres, styles, and activities to provide students with a wide range of inspiration for their writing. The main focus will be on prose, both fiction and dramatic. Students will share their writing with the class and have it discussed in a constructive atmosphere. Substantial amounts of writing and reading are required.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Nonfiction

½ Credit

This is a semester-long course that will feature various forms of nonfiction. Students will read, discuss, and evaluate biographies, histories, essays, journals, print articles, and other forms of nonfiction in written texts as well as in film. Students will use some texts in common as well as self-selected texts. In addition to the reading and written responses to the reading, students should expect to create samples (or films) of nonfiction. Students will contribute to a shared annotated bibliography and complete a semester project dealing with some aspect of nonfiction they have chosen to explore in more depth.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Poetry**½ Credit**

This is a semester course that will study a broad variety of lyrical forms through the poetry itself and through critical texts. Though students may expect some opportunity to craft poetry of their own, which they may include in the course portfolio, the graded products of the course will be of a scholarly nature: poetic models, critical essays, and a research project examining the life and work of a poet.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Voices of War**½ Credit**

This is a semester literature course that examines war themes through fiction and nonfiction, drama, poetry, and film. In addition to reading a wide range of text, students will write in various forms including response to literature and personal essay.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Fine Arts

American Arts

½ Credit

American Arts explores the terms folk art and crafts and uses their broadest meanings. Students will study a variety of these crafts, experiencing what the person who once practiced the art did. In the process, students will find a form for their own thoughts and expressions. Art from Native Americans and the Colonial Era will be studied and experienced. Exploring the crafts practiced in different eras of American history will give a particular insight into each of those periods. Media used will include chisels and knives for wood carving; clay for pottery; colored sand for sand painting; reeds for basketry; wax, dyes and fabric for batik; looms and beads for weaving and needles and fabric for cross-stitching.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Ceramics

½ Credit

Ceramics is the study of manipulating clay and firing products at a high temperature. Students will be introduced to the basic hand-building skills: pinching, coiling, slab building and press molding. This course will also introduce wheel throwing as a means of making ceramic forms. Emphasis will be placed on the traditional concepts and skills as they developed throughout the history of ceramics. Traditional pottery techniques from China, Greece, Islam and Pre-Columbian America will be studied; along with contemporary uses for ceramics.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Commercial Design

½ Credit

Commercial design is the study of design concepts and skills applied through commercial art processes and techniques. These techniques are used in graphic design, advertising, poster making, illustration and cartooning. Students will study all of the art forms mentioned above and use a variety of media (including pen and ink, designer markers, acrylic paint, color pencils, silk screen and the computer). The history of posters and illustration along with graphic artists Toulouse-Lautrec and Maurice Sendak will be studied.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Drawing

½ Credit

Drawing is the application of recent discoveries in brain research to the teaching of drawing and seeing skills. Concepts studied will encompass composition, perspective, proportion, creative values and contour drawing. Media will include pencil, charcoal, pen and ink, marker and pastels. This course will introduce a series of diverse artists who furthered the development of drawing. These artists include Paul Klee, Henri Matisse, Leonardo da Vinci, M.C. Escher and Caravaggio. The relationships between the artists and the drawing techniques will be emphasized. A large out-of-class drawing project will be assigned during the second marking period.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Figure Drawing

½ Credit

Figure Drawing is the study and observation of the human figure. Concepts studied will encompass composition, anatomy, contours, gestures, creative values and portraiture. Media will include pencil, charcoal, pastel, pen and ink and print making. Emphasis will be placed on the importance of art history and the technical advancements made in figure drawing. Artists studied will include Edgar Degas, Michelangelo, Raphael, Rembrandt, Kathe Kollwitz and John Singer Sargent. Students will be asked to model on a rotating basis. An out-of-class self-portrait will be assigned during the first marking period.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Painting

½ Credit

Painting is the process of using liquid media to create a composition that reflects an individual expression. This course will explore traditional painting techniques through the acrylic medium. Basic color theory and proper brush techniques will be studied and applied. Class assignments are designed to suggest the spirit and experience contained in the movements of 20th century painting. Important art movements such as Impressionism, Post-Impressionism, Dada, Surrealism and Abstract Expressionism are studied along with American painters Edward Hopper and Andrew Wyeth.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Photography (5 weight)

½ Credit

Photography introduces the student to the basic equipment and techniques of black and white photography; including the functions of the camera and lens, the proper exposure and development of film, print and enlargements, and the presentation and preservation of photographs. This course will stress the relationship between the technical aspects of photography and its aesthetic and historical development. Twentieth century photographers Imogen Cunningham, Annie Leibovitz and Ansel Adams are studied. Students will be assigned specific lab time outside of the daily scheduled class.

Prerequisite: None

Grade level: 10, 11, 12

Course length: Semester

Sculpture

½ Credit

Sculpture is the study of design in space. Students will represent figures and forms in relief or in three dimensions, using a variety of materials. Media will include natural and modeling clay, wood, plaster, fabric and miscellaneous materials. Techniques such as modeling, carving, assembling and constructing are experienced while studying the historical aspects of each technique. The art of the Ice Age, ancient Egypt, classical Greece and Rome, the Medieval Times, and sub-Sahara Africa are explored along with modern sculptors Henry Moore. The relationship between these ancient cultures and 20th century art will be emphasized.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Advanced Chorus

No Credit

This non-credit course is for transcript notation only. It is a vocal ensemble for the student wishing to study choral music presenting a higher degree of challenge such as preparation for both the Green Mt. District and Vermont All-State Vocal Auditions. Students will prepare the National Anthem for presentation at Honor Assemblies, Athletic events and various other functions such as the Irish Blessing during graduation.

Rehearsals: Tuesday and Thursday mornings 8:00 a.m. to 8:20 a.m.

Prerequisite: Vocal audition by instructor.

Grade level: 9, 10, 11, 12

Course length: One Semester or Full year.

Chorus/Instrumental Accompaniment

1/4 Credit

For Instrumental Musicians of Percussion and Guitar.

Students will learn to adjust instrumental parts for the Chorus. Develop listening skills. Learn to follow a conductor and accompany vocal groups. Accompany chorus classes, full chorus gym rehearsals and concert performances.

Grades are reported in June.

Pre-requisite: Instrumental Performance Ability

Grade level: 9, 10, 11, 12

Course length: Full year

Wednesday Chorus

1/4 Credit

Students attend one Wednesday Chorus class per week coming from Study Hall or Wed. Science Lab (with Science Instructors permission.) Students attend 3 Full Chorus Gym Rehearsals. Participate in two concerts (Winter and Spring). Classes are offered during the school day as well as Wednesday morning before school 8:00a.m. to 8:20a.m. Grades are reported each marking period.

Pre-requisite: None

Grade level: 9, 10, 11, 12

Course length : Full year

Piano Class

1/4 or 1/2 Credit

Piano Class is designed to be an introduction to fundamental melodic and harmonic keyboard patterns including basic major scales, arpeggios and transpositions. Students will complete weekly theory work sheets and self-assessment forms. Students will perform in the Semester Evening Piano Recital (January / June).

Class is limited to 7 students per class.

Class meets on Tuesday and Thursday.

Pre-requisite: No prior music knowledge is required.

Grade level: 9, 10, 11, 12

Course length: One Semester (.25 credits) or Full year (.5 credits)

From Rock to Rap

1/2 Credit

This course studies the music that the students are passionate about: hip hop, rock, country, and punk to name a few possible genres. The class will involve a lot of listening and discussions supplemented by readings from textbooks, the Internet, and contemporary magazines such as Rolling Stone or Guitar World. The class will examine many different cultures' musical histories and study basic music theory to gain perspective on today's music, but mostly will be focused on enhancing students listening and understanding of the music they are passionate about.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Guitar Class I

½ Credit

Guitar Class introduces the student to the art of playing the guitar in various styles, reading guitar tab and standard notation. Guitar Class is a perfect class for the student who wants to learn how to play the guitar. Students do not need to own a guitar.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Guitar Class II

½ Credit

Class Guitar II is designed for the student who wants to further their skills playing guitar. It will be a continuation of Class Guitar I and will focus on a wider range of guitar skills. Included will be more difficult chords including barre chords and 7th chords as well as learning more scales and intricate riffs for improvisation and composition. The class will also be an introduction to playing in groups and performing as part of an ensemble or band. Students do not need to own their own guitar.

Prerequisites: Class Guitar I or a basic informal audition with the music director to determine correct class placement.

Grade level: 9, 10, 11, 12

Course length: Semester

Music Theory I

1 Credit

Music Theory studies the process and norms by which sounds are created and organized into the art form of music. Students will learn to read music, analyze both written and played music, and compose their own music. Music Theory is recommended for students planning to major in music or those who are looking to better understand the

music they listen to and play.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Full year

Music Theory II (5 weight)

1 Credit

Music Theory II begins where Music Theory I ends. The Class is taught to prepare the serious music student for a career in music. It aims to covers the same material that college freshman music theory class would cover through musical analysis, ear training, sight singing, and composing.

Prerequisite: Music Theory I or permission from the instructor.

Grade level: 9, 10, 11, 12

Course length: Full year

Honors Symphonic Band (5 weight)

1 Credit

Honors symphonic band will meet daily at the same time as the Symphonic band for rehearsals. The honors band will perform in all of the same concerts as the symphonic band besides additional honors ensemble performances such as recitals and festivals. The honors band will be required to complete weekly playing and written assignments beyond the practice time for the symphonic band literature. The members of this ensemble will have the opportunity to participate in The Northeast Music Festival and the New England Music Festival on top of those opportunities of the symphonic band. This group will be more active in the community music scene and will be expected to attend other music and art performances in their community such as musicals, local concerts, pep rallies and college performances to name a few.

Prerequisite: Recommendation from previous band teacher or an audition with the musical director.

Grade level: 9, 10, 11, 12

Course length: Full year

Symphonic Band

1 Credit

The FHUHS Symphonic Band plays exciting and challenging band literature. The symphonic band rehearses five days a week. Symphonic Band performs at the holiday concert, FHUHS Pops Concert, The Vermont Large Ensemble Festival, Vermont Day at the Big E, the Halloween Parade, the Veteran's Day Parade, the All State Parade, the Memorial Day Parades, and Graduations. Symphonic Band students will also have opportunities to participate in the G.M.M. District 5 festival, the VT All State Music Festival, and the Pep Band. The class also features several entertaining musical enrichment opportunities such as guest artists, and trips to major American cities like New York City or Boston to hear some of the world's best music.

Prerequisite: Recommendation from previous band teacher or an audition with the Musical Director.

Grade level: 9, 10, 11, 12

Course length: Full year

Symphonic Band/Wednesday Chorus

1 Credit

This course is similar to the Symphonic Band course, but students will attend chorus one day per week. Students' grades will be a reflection of the requirements of the Symphonic Band course and Wednesday Chorus.

Prerequisite: Recommendation from previous band teacher or an audition with the Musical Director.

Grade level: 9, 10, 11, 12

Course length: Full year

Jazz Ensemble

½ Credit

Jazz ensemble rehearses every Monday from 7:00 to 8:30 PM and plays big band charts covering a wide variety of jazz styles: Swing, Be Bop, Funk, Latin, and Rock, to name a few. The Jazz band performs at the winter band concert, the Pops concert, the Paramount Jazz Festival, the Fair Haven concert on the Green series, and many other performance opportunities that present themselves during the school year.

Prerequisite: Recommendation from previous band teacher or an audition with the Musical Director.

Grade level: 9, 10, 11, 12

Course length: Full year

Jazz Studies

1 Credit

Jazz Studies takes a holistic, hands on approach to studying and mastering Jazz. Over the span of the year we will study in detail texts related to the history of jazz and music theory, but also develop performance skills on their instruments/voice such as: composition, scales, memorizing jazz heads, playing in jazz combos and big bands, jazz conducting, and most importantly improvisation. The "Jazz Studies" class is designed for the motivated musician. It is open to any proficient instrumentalist or vocalist who can read music on their instrument. Students will have to pass an informal audition with the Musical Director to be enrolled in the course.

Prerequisite: Students must be proficient on their instrument or voice, and be able to read standard notation.

Grade level: 9, 10, 11, 12

Course length: Full year

Rock Ensemble

1 Credit

The "Rock Ensemble" class is a performance-based class where instrumentalists and vocalists form a rock band. The "rock ensemble" then rehearses daily under the direction of the Musical Director. "Rock Ensemble" is a rehearsal based class similar to "symphonic band" and "chorus," and will involve several live performances both in the school and community. We will be performing a mixture of music selected by the Musical Director, the students in the class, and student compositions. The class is open to any instrumentalist or vocalist who is beyond the introductory stage. Students will need to pass a very basic and informal audition with the Musical Director to be enrolled in the class.

Prerequisite: Students must be proficient on their instrument or voice.

Grade level: 9, 10, 11, 12

Course length: Full year

Fine Arts

Additional Courses that may be used as a Fine Arts credit

CAD - Animation I (5 weight)

½ Credit

CAD – Animation I uses the software 3D Studio which is a 3D animation software program used primarily by Architects and video game developers. Using Autodesk VIZ, students will study two and three-dimensional model development, camera options, lighting, and material assignment for the development of photo-realistic images and renderings.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD – Architecture Design

½ Credit

The many styles of residential American architecture are studied first in this course, and then students develop their own floor and elevation plans. Some of the topics covered include architectural styles, room planning, kitchen, sleeping and living area designs, and elevations. This course will also include model building.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD - Architecture Drawing

½ Credit

CAD - Architectural drawing covers the standard drawing techniques used by architects and builders. A variety of common construction practices will be covered for typical residential structures. Some of these include: plot plans, footings, foundations, construction details, floor, wall, roof, window and door framing,. Basically you will learn the parts of a house and how it is put together. This course will also include model building.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Design and Problem Solving in Woods Technology I

½ Credit

This class is designed to meet the needs of students who wish to further their woodworking skills after completing Woodworking Technology I and II. In this class students will be required to do all the various set-ups on the machines associated with the operations they are performing.

May be used for fine arts credit.

Prerequisite: Successful completion of Woodworking Tech II.

Grade level: 10, 11, 12

Course length: Semester

Design and Problem Solving in Woods Technology II

½ Credit

This class is a continuation of Design and Problem Solving in Woods Technology I. This class allows students to become more independent and provides time to work on advanced set-ups on the various woodworking machines. Students will also be introduced to the basics of carpentry as it relates to residential home construction.

May be used for fine arts credit.

Prerequisite: Successful completion of Design and Problem Solving in Wood Technology I

Grade level: 10, 11, 12

Course length: Semester

Textiles and Design

½ Credit

Be creative! Students learn to sew, to combine fabrics and explore principles of design and color.

Projects may include: quilts, clothing or other based on student interest, experience and ability.

While students spend the majority of class time producing projects they will complete written work about machine safety, pattern selection and sizing, fabric selection, color and design. Students supply materials for a project of their choice. Those who have taken Fashion and Design will have the opportunity to apply the skills and knowledge learned in that course. Students considering careers in fashion, interior design, graphic arts, merchandising and marketing, tailoring, clothing and textiles will find this course helpful.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Fashion and Design

½ Credit

Students in Fashion and Design learn sewing techniques including appliqué, piece quilting, machine and hand embroidery projects. Students may choose to create quilts, clothing or other items based on their interest, experience and ability. Students who have taken Textiles and Design will have the opportunity to complete more difficult projects, applying the skills and knowledge learned in the Textiles and Design class. While students spend the majority of class time producing projects they will complete written work about designers and history of fashion. Students supply materials for a project of their choice. Those who have taken Textiles and Design will have the opportunity to apply the skills and knowledge learned in that course. Students considering careers in fashion, interior design, graphic arts, merchandising and marketing, tailoring, clothing and textiles will find this course helpful.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Health Education

Health Education

½ credit

The basis for the health class is the Vermont standard: students will make healthy choices. Students explore influences on decision-making, values, goals, beliefs, etc. The second marking period emphasizes the topics of human reproduction, teenage pregnancy, birth control, human sexuality, sexually transmitted diseases, addiction, nutrition, harassment, abusive relationships and sexual assault, information necessary for making healthy choices.

Assignments: Class activities, magazine article summaries, one book report, tests, chapter summaries and class participation.

Prerequisite: None

Grade level: Course recommended for all sophomores and required for graduation.

Course length: Semester

Languages

French I

1 Credit

An introduction to the French language and culture, this course offers the building blocks of second language acquisition through the alphabet, number system, basic grammar and vocabulary. The main emphasis is on the oral-aural aspect of the language with initiation of writing skills. The course will proceed methodically so that students can grasp the basics of French and use them in real life situations.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Full year

French II

1 Credit

Focusing on personalization of the language through a continued study of basic vocabulary, grammar, and a cultural tour of French regions, level 2 students will further develop basic oral-aural skills with increased emphasis on grammar, writing and reading skills in authentic situations.

Prerequisite: A grade of 75 or above in French I or consent of instructor.

Grade level: 9, 10, 11, 12

Course length: Full year

French III – Civilization – Honors (5 weight)

1 Credit

Having attained novice level basic skills, students in level 3 will enrich their knowledge of French through the exploration of the cultural and literary history of France ranging from prehistoric cave paintings and the guillotine to love stories and comic theater. Students increase their skills in listening, oral expression, reading, writing, and grammar. In addition to the text, students prepare reading, research, oral, and cultural projects.

Prerequisite: A grade of 75 or above in French II or consent of instructor.

Grade level: 10, 11, 12

Course length: Full year

French IV – Honors Literature and Fine Arts (6 weight)

1 Credit

Students seeking to advance their knowledge and skills beyond the intermediate level will challenge themselves with the folklore, cinema, novels, drama, philosophy, art, and music of France. Abilities in advanced oral expression, listening comprehension, reading and writing will be strengthened through individual and small group assignments as well as written, aural, oral, visual, and artistic assessments. Creative skills will blossom.

Prerequisite: A grade of 75 or above in French III or consent of instructor.

Grade level: 11, 12

Course length: Full year

French V – Honors (6 weight)

1 Credit

This course is an excellent opportunity for highly motivated students to pursue their study of French while maintaining their skills for college placement credits. First semester consolidates high-level oral, aural, reading, and writing skills through a phonetics and conversation unit, the creation and presentation of a historically based research portfolio, and a survey of literature. The students design the second semester. Possible curricular options are: contemporary films, cuisine, travel and tourism, web site designs, and internet based projects.

Prerequisite: A grade of 75 or above in French IV or consent of instructor.

Grade level: 12

Course length: Full year

Spanish I – Introduction to Spanish Language and Culture

1 Credit

In this introductory course to the Spanish language great emphasis is placed upon the Five Cs: Communication, Cultures, Connections, Comparisons and Communities. The course stresses oral communication designed to prepare students to speak and comprehend very basic spoken Spanish. Regional units introduce the wide variety of Spanish and Latin American culture and nations.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Full year

Spanish II – Intermediate Spanish Language and Culture

1 Credit

The intermediate level continues to build on the Five Cs from Spanish I. Oral expression continues to be the focus while additional emphasis is now placed upon reading and writing skills as we explore the language and culture of Spain and Latin America.

Prerequisite: A grade of 75 or above in Spanish I or consent of instructor.

Grade level: 9, 10, 11, 12

Course length: Full year

Spanish III – Hispanic Culture through Film and Short Story (5 weight)

1 Credit

This course advances oral expression, reading and writing skills. Very little English will be used as students explore aspects of Hispanic culture, civilization, geography, art, and history through film and short story. Thematic units such as Humor, Art, Heroism, Legend, Sentiments and Passions, Land and Liberty, and Death each include a film and a short story related to the theme. The course ends with a research project on a range of topics such as the Spanish Civil War, Democracy and Dictatorship in Chile, and the Mexican Revolution.

Prerequisite: A grade of 75 or above in Spanish II and consent of instructor.

Grade level: 10, 11, 12

Course length: Full year

Spanish IV – Modern Media and the Spanish Novel (6 weight)

1 Credit

Depending upon enrollment, students in Spanish IV will be grouped in the same class with Spanish V. This course continues to reinforce practical Spanish vocabulary and grammatical structures through the reading of one or more novels and a study of modern media. Taken in sequence with Spanish III, the first novel read each year will expand upon the knowledge and experience obtained in the Spanish III research project.

Prerequisite: A grade of 75 or above in Spanish III and consent of instructor.

Grade level: 11, 12

Course length: Full year

Spanish V –Literature and Composition (6 weight)

1 Credit

Depending upon enrollment, students will be grouped in the same class with Spanish IV. The emphasis in this course continues to be on the reading of a variety of forms including whole text reading of novels, plays, and a variety of journalistic sources. Students will write regularly in response to the readings. Grammar and vocabulary review will be conducted within the context of the texts being read.

Prerequisite: A grade of 75 or above in Spanish III and consent of instructor.

Grade level: 12

Course length: Full year

Latin American and Iberian Studies

1 Credit

Tracing the formation and development of the Hispanic world, this course will examine the cultural origins of the Iberian Peninsula, Meso-America, Central America, and South America from pre-historical population migrations through post-Cold War Spain and Latin America. We will study the historical development of the region from first contact and conquest, through independence, reform and revolution, civil war, and US imperialism in the region. Assignments will consist of readings of primary and secondary source materials, film, and literature. Upper level Spanish students will read some materials in the original Spanish, while other students will be assigned translations and English-language alternatives.

Prerequisite: None

Grade level: 10, 11, 12

Course length: Full year

Mathematics

Honors Algebra I (5 Weight)

1 Credit

Honors Algebra I is designed to assist the student in gaining an understanding of the fundamental theory and the structure of algebra along with a special emphasis on linear and quadratic functions. Included in this course are lessons that involve geometry.

Prerequisite: Freshman Standing

Grade level: 9

Course length: Full year

Algebra I

1 Credit

Algebra I is designed to assist the student in gaining an understanding of the fundamental theory and the structure of algebra. The topics of elementary algebra through quadratics are covered and should help the student improve and extend his/her computational skills and to gain an appreciation of the usefulness of algebra in the solution of applied and real life problems.

Prerequisite: None

Grade level: 9, 10, 11

Course length: Full year

Algebra IA

1 Credit

Topics included will be a review of basic mathematical operations with real numbers, solving linear equations and inequalities, operations with basic polynomials, graphing linear equations, solving systems of linear equations, square and square roots

Prerequisites: Department approval

Grade level: 9, 10

Course length: Full year

Technical Math I (formerly Fundamentals of Math I)

1 Credit

This course curriculum is based on the fundamental operations of arithmetic. Practical applications using whole, fractional and decimal numbers, an introduction to the study of equations and the language of algebra, and the basic relationships to geometry are studied. Students taking General Mathematics will be expected to follow with either Fundamentals Math II or Fundamentals of Algebra.

Prerequisite: Freshman Standing or department chair approval

Grade level: 9

Course length: Full year

Technical Math II (formerly Fundamentals of Math II)

1 Credit

The primary purpose of this course is to adequately prepare students for the study of algebra. A greater emphasis is placed on the language of Algebra, while the basic arithmetic operations are reinforced. This course is meant for students who need a more stringent approach prior to taking Algebra I. All basic operations of variables will be included. Graphing calculators will be used to visualize solutions in real world situations.

Prerequisite: None

Grade level: 9, 10

Course length: Full year

Consumer Math with Algebra Applications

1 Credit

This course is meant for students who need more concrete, hands-on mathematics with a minor reference to Algebra.

Prerequisite: Teacher recommendation and department chair approval

Grade level: 10, 11

Course length: Full year

Business Math

1 Credit

This course demonstrates how the fundamental operations of arithmetic apply to community, nationally, and globally based business problems. Business management, investment, compensation and benefits packages and measuring performance are emphasized, while related consumer applications including taxes and purchasing real estate are also studied.

Prerequisite: Algebra I

Grade level: 11, 12

Course length: Full year

Honors Geometry (5 Weight)

1 Credit

Curriculum includes sets, real numbers, lines, planes, angles, triangles, perpendicular and parallel lines, polygons, circles, and spheres. Congruency, similarity, geometric inequalities, construction of geometric shapes, coordinate geometry and solid geometry are also covered. Deductive reasoning as it pertains to mathematics is also studied.

Prerequisite: Grade of 80 or above in Honors Algebra I or with Department Chair approval

Grade level: 9, 10, 11

Course length: Full year

Geometry

1 Credit

This course provides a simple yet thorough approach to the fundamentals of Euclidean Geometry. Students will reach conclusions through experimentation and by reasoning from given facts, with a minimal use of formal proof. A working knowledge of algebra is required. Not open to freshmen.

Prerequisite: Algebra I

Grade level: 10, 11, 12

Course length: Full year

Honors Algebra II (5 Weight)

1 Credit

Honors Algebra II is the study of real and complex number systems and their properties. This course will reinforce and extend skills and concepts studied in Honors Algebra I. Focus will be on computational skills and applications of algebra. Topics will include equations, inequalities, systems, functions, exponents, radicals, rational numbers, and conics.

Prerequisite: A grade of 80 or above in Honors Algebra I or with Department Chair approval

Grade level: 10, 11

Course length: Full year

Algebra II

1 Credit

This course provides a comparable but more detailed approach to the fundamentals of Algebra II. Although the college-bound student may use this course, the content is more valuable to the student entering the job market after high school.

Prerequisite: Algebra I

Grade level: 10, 11, 12

Course length: Full year

AP Calculus AB (6 Weight)

2 Credits

The AP Calculus course is designed for the student who has developed a thorough understanding of college preparatory mathematics. AP Calculus is directed toward the student who wishes to take the advance placement test prior to admission to a post secondary school. Students enrolling in this course are recommended to take the AP Calculus (AB) Exam in the spring. The class will meet ten (10) times per week. Topics include: All of the topics listed in the description for Calculus; preparation for the AP Calculus (AB) Exam, slope fields, solving differential equations, integration by parts, and application of the integral.

Prerequisite: Honors Pre-calculus with an 85 or better or with Department Chair approval

Grade level: 11, 12

Course length: Full year for two periods each day

Honors Calculus (5 Weight)

1 Credit

Calculus is the mathematics of change and motion and is a prerequisite for further study in nearly all branches of higher mathematics and the sciences. This course is directed toward the student who has developed a thorough understanding of college preparatory mathematics, including algebra, axiomatic geometry, and elementary functions. Course topics include: functions and their properties, limits and continuity, infinite limits, differential calculus, derivatives of elementary functions, derivatives of higher order first and second derivative tests, extreme values, concavity and inflection points, integral calculus, techniques of integration, Fundamental Theorem of Calculus.

Prerequisite: Completion of Pre-Calculus and department recommendation or with Department Chair approval

Grade level: 11, 12

Course length: Full year

Honors Pre-Calculus (5 Weight)

1 Credit

This course is designed for those students who have excelled in Geometry and College-Prep Algebra II. The successful student will expand their knowledge of complex mathematical theories and applications and develop the skills necessary to be successful in Calculus or AP Calculus. Topics include: Properties of functions, reflections, periodic functions, properties of exponents and logarithms, exponential functions, inverses, trigonometric functions and equations, triangle trigonometry, vectors. The use of the TI-83 graphing calculator is an integral part of the course. At this level it is strongly recommended that each student have their own graphing calculator to facilitate ease in doing their homework.

Prerequisite: Completion of Algebra II with an 85 or above or with Department Chair approval

Grade level: 11, 12

Course length: Full year

Advanced Math

½ Credit

A course designed for juniors and seniors who have completed Algebra II, but do not want to continue on to Pre-Calculus or Calculus. Topics will include an extensive SAT review and Trigonometry.

Prerequisite: Completion of Algebra II

Grade level: 11, 12

Course length: Semester

Probability and Statistics

1 Credit

This course is an introduction to the study of probability, interpretation of data, and fundamental statistical problem solving. The course will cover basic statistical concepts that will prepare the student to take a college level statistics course in the future. Students will explore and analyze data by observing patterns or the absence of patterns, interpret information from graphical and tabular displays, apply appropriate statistical models to infer information from data, and learn to use technology in solving statistical problems.

Grade level: 11, 12

Course length: Full year

Mathematics

Direct Math Instruction

½ or 1 Credit

Students whose Individual Education Plans (IEP) and 504 Plans stipulate direct instruction in Math will receive individual or small group instruction from special educators. Math credit will be given based on Carnegie Unit. Credit determination for Direct Instruction will be specified within the student's plan.

Prerequisite: Department approval

Grade level: 9, 10, 11, 12

Course length: Full year or Semester

Additional Courses that may be used as a Math credit

Successful completion of Accounting I and II equals one Math credit

Accounting I

1 Credit

The student learns how to apply the steps of the accounting cycle to various types of businesses. The ability to analyze monetary business transactions will be stressed. There will also be an introduction to automated accounting using personal computers. Since accounting is defined as the "language of business," this course is perhaps the most important in preparing students for a variety of business careers.

Prerequisite: Computer Applications

Grade level: 10, 11

Course length: Full year

Accounting II (5 Weight)

1 Credit

This course is an extension of Accounting I and applies the basic accounting principles to more involved accounting situations. Accounting simulations will be completed giving the student practice in Partnership, Corporate and Payroll Accounting. These practice sets will cover a one-month period and include preparation of financial statements. In addition, students will become familiar with both electronic spreadsheets and automated accounting. Successful completion of Accounting I and II equals one Math credit

Prerequisite: Accounting I

Grade level: 11, 12

Course length: Full year

Students may earn ½ Credit of Embedded Math upon successful completion of the following courses if they have successfully completed two credits in Mathematics.

CAD – 2D Engineering (5 weight)

½ Credit

This course is designed to provide students with the opportunity to experience the basic language used in technology and manufacturing industry. Students learn to use AutoCAD a 2D CAD program used by engineers and draftsmen to design products. This class is especially recommended for future engineering, architecture, or technology students.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD – 3D Engineering (5 weight)**½ Credit**

The CAD 3D for Engineering is designed to provide students with the opportunity to experience the basic language used in technology and manufacturing industry. Students will learn to use the Inventor program which is a powerful 3D CAD program used by engineers in their design work. This class is especially recommended for future engineering, architecture, or technology students.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD - Architecture Drawing**½ Credit**

CAD - Architectural drawing covers the standard drawing techniques used by architects and builders. A variety of common construction practices will be covered for typical residential structures. Some of these include: plot plans, footings, foundations, construction details, floor, wall, roof, window and door framing,. Basically you will learn the parts of a house and how it is put together. This course will also include model building.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD – Architecture Design**½ Credit**

The many styles of residential American architecture are studied first in this course, and then students develop their own floor and elevation plans. Some of the topics covered include architectural styles, room planning, kitchen, sleeping and living area designs, and elevations. This course will also include model building.

Students may earn ½ Credit of embedded math upon successful completion of this course if they have successfully completed two credits in Mathematics.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Physical Education

In the state of Vermont, 1.5 credits of physical education are required for high school graduation. Fair Haven Union High School Board policy prohibits the wearing of jewelry during any physical education class where the National Federation of High School State Association rulebook or the Vermont Principal's Association mandates the "no jewelry" rule. The requirement for mouth guard use falls under the same policy.

PE 9 and PE 10

½ Credit

Students will be provided knowledge and appreciation of the skills, rules, and regulations in team sports and leisure time activities. All ninth grade classes are co-ed for the first marking period. Ninth grade activities include: soccer, field hockey, volleyball, badminton, basketball, wrestling, softball, bowling, pickle ball, and track and field. Tenth grade activities include: cross country skiing/snowshoeing, archery, orienteering, aerobics, soccer, flag football, pickle ball, volleyball, badminton, softball, weight training, and indoor soccer. Students are required to purchase a uniform.

Grading: Participation: 40%; Quizzes: 30%; Final test: 30%

Prerequisite: Students in grades 10, 11, or 12 must pass one semester of PE 9 before being allowed to take a PE 10 class. A freshman is not allowed to enroll in a PE 10 class unless he/she is repeating grade 9 and passed at least one semester of PE 9 the previous year.

Grade level: 9, 10, 11

Course length: Semester

PE Elective

½ Credit

Physical Education Elective is offered only to those that have successfully completed their requirement and have been recommended by the physical education department. PE Elective activities include: activities carrying over from tenth grade, small group games, bowling, lacrosse, rollerblading, street hockey, speedball, rock climbing when possible, and team handball. This course is graded as Pass/Fail.

Prerequisite: Successful completion of 1.5 credit graduation requirement

Grade level: 10, 11, 12

Course length: Semester

Science

Earth Science

½ Credit

Earth Science will cultivate the interest of the learner, basing its foundations on the surrounding world. Using the Earth as a guide, students will make scientific discoveries in chemistry and physics. There are required projects throughout the year that include both oral and written assessments. An individual, independent science project is required. Both individual and group labs play an important role in the scientific process and students will gain experience in basic lab skills.

Notebook collection is required.

Prerequisite: All freshmen should complete both Earth and Physical Science for a total of 1 credit.

Grade level: 9

Course length: Semester

Physical Science

½ Credit

This course includes inquiry, observation, experimentation, interpretation and basic laboratory skills. This course encompasses the study of basic chemistry and physics. The central theme is the introductory study of matter and basic ideas of science. There are required individual projects throughout the year. An individual, independent science project is expected. The course lays the groundwork for the study of biology, chemistry, and physics. There are both group and individual labs required of all students.

Notebook collection required.

Prerequisite: All freshmen should complete both Earth and Physical Science for a total of 1 credit.

Grade level: 9

Course length: Semester

General Science

1 Credit

This course is designed to provide the student with a basic background in general science. The subjects will include basic concepts of science and life science. Inquiry science is stressed and students are expected to participate in labs and classroom discussion. Group and individual projects are expected.

Students are required to maintain a notebook. Class size is limited to 15.

Prerequisite: Staff recommendation only.

Grade level: 9

Course length: Full year

College-Prep Biology (5 weight)

1 ½ Credits

This course is designed to provide the student the opportunity to achieve an understanding and familiarity with concepts of life processes for the purpose of permitting that student to become adequately prepared for college. Methods of instruction will include lectures, discussions and laboratory experiences. Topics will include cell structure and functions, biochemistry, human anatomy and physiology, evolution and anthropology, genetics, botany, zoology and ecology. Scientific method is emphasized through group and individual projects. Independent research is an expected aspect of the course. Dissections are a component to the laboratories for this class.

Prerequisite: None

Grade level: 10

Course length: Full year

Science

Biology

1 Credit

This course will provide the student with a basic understanding of life and its activities. All the various classifications of living organisms will be covered. There are labs, lectures, group activities, and individual projects required of all students. Biology will review levels of organization of life forms, molecules through cells, tissues, organs, individuals, populations and communities. Dissections are a component to the laboratories for this class.

Prerequisite: None

Grade level: 10

Course length: Full year

Junior and Senior Choices

YEAR LONG COURSES

Advanced Placement Biology (6 weight)

2 Credits

The course will provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with the rapidly changing science of biology. The course breakdown includes molecules and cells, heredity and evolution, and organisms and populations. The course will prepare students for the AP exam. Summer work, independent and group work is incorporated into the curriculum. Class size is limited to 16.

Prerequisite: Successful completion of CP Biology and CP Chemistry is strongly suggested.

Grade level: 11, 12

Course length: Full year, Two Periods

College-Prep Physics (5 weight)

1 ½ Credits

Physics investigates the interactions of matter and energy in the areas of mechanics, heat, radiation, acoustics, optics, electricity, and magnetism. The course emphasizes conceptual comprehension with application through labs, projects, and written problems. This is an introductory physics course designed to explore the fundamental operations of the natural world.

Prerequisite: Honors Algebra II or Pre-calculus should be taken concurrently.

Grade level: 11, 12

Course length: Full year

College-Prep Chemistry (5 weight)

1 ½ Credits

College-Prep Chemistry is a rigorous math-science course, which will assist students in the transition into college level science courses. This course has a strong lab component and students will be required to maintain a lab notebook. Students will be required to have a scientific calculator with logarithm and exponent capability. Strong algebra skills are crucial to success in this course.

Recommendation: A grade of 80 or above in Honors Algebra I, Geometry, and CP Biology.

Prerequisite: CP Biology

Grade level: 11, 12

Course length: Full year

Chemistry

1 Credit

Chemistry deals with the physical and chemical properties of matter. It is taught using a combination of labs, activities, and readings. This approach allows for the teaching of how scientists utilize the study of the processes and principles of chemistry. This course includes inquiry, observation, experimentation, interpretation, and basic laboratory skills.

Individual research and projects are required.

Prerequisite: None

Grade level: 11

Course length: Full year

Vermont Ecology

1 Credit

This course is a study of Vermont's plants and animals and their relationship to physiographic. The history of human influence upon the changing landscape is explained. Other topics covered include vegetation zones, bodies of water, Native Americans, and life cycles of major mammals, birds, and fish of the state.

Prerequisite: Biology or CP Biology.

Grade level: 11, 12

Course length: Full year

Additional Courses that may be used as a Science Credit

Horticulture I

1 Credit

This course is for students who want to take part in the support of a working greenhouse. It is intended to help students develop occupational skills in areas such as plant breeding and propagating, growing and selling, processing and handling, sales and marketing; as well as research, maintenance and management as it relates to horticulture. Students will practice these skills in the operation of an on-site greenhouse.

This course may be used as a science credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Full year

Social Studies

Honors Civics and Geography (5 weight)

1 Credit

Honors Civics and Geography is an in-depth study of both our government and our world. The Civics portion of the course introduces students to the privileges and obligation of citizens and the foundations of American democracy. During Geography students will study where things are on Earth, why they are there, and their relationships to people, things, or other places. Focus will be on the geographic themes of location, place, movement, region, and human-environment interaction in Vermont, the United States and the world. Critical thinking skills will be practiced throughout the year.

Prerequisite: None

Grade level: 9

Course length: Full year

Civics and Geography

1 Credit

Civics and Geography is an introduction to the study of both our government and our world. The Civics portion of the course introduces students to the privileges and obligation of citizens and the foundations of American democracy. During Geography students will study where things are on Earth, why they are there, and their relationships to people, things, or other places. Focus will be on the geographic themes of location, place, movement, region, and human-environment interaction in Vermont, the United States and the world. Critical thinking skills will be practiced throughout the year.

Prerequisite: None

Grade level: 9

Course length: Full year

Honors U.S. History (5 weight)

1 Credit

This honors course is taught at an accelerated level with strong emphasis on the development of inquiry skills and hypothesis development. Emphasis will be placed on developing research and writing skills through a variety of essays. The class covers Civil War to World War I from a thematic perspective, examining the topics of industrialization, immigration, reform, foreign policy, agricultural changes and the growth of labor. From World War I to the present, the course examines the social, economic, and political developments of the 1920s, 1930s, the Second World War, the Cold War, the domesticity of the 1950s, the upheaval of the 1960s, the crises of the 1970s, and the conservative reaction of the 1980s.

Prerequisite: Civics and Geography

Grade level: 10

Course length: Full year

U.S. History

1 Credit

This course in U.S. History will cover the period from 1865 to the present. A brief review of the Civil War will be part of the course. The primary topics for this course will be the periods of reconstruction, immigration, labor, industry, political change and reform, isolation to imperialism, modern times and current events. This course is taught from a chronological perspective.

Prerequisite: Civics and Geography

Grade level: 10

Course length: Full year

Junior and Senior Choices

**Students who have successfully completed freshman and sophomore Social Studies requirements may choose from the following Junior/Senior electives.*

YEAR LONG COURSES

Advanced Placement U.S. History (6 weight)

1 Credit

This is a full year course for juniors and seniors who wish to take the AP exam, and for those who desire a college level approach to American history. The course covers the major political, economic, social, and cultural movements of American history from exploration to the present, with an emphasis on the 18th and 19th centuries. Students will focus on using primary sources to write data based essays, comparative history, cause and effect, and the concepts of change and continuity. **There is a fee for the AP exam which all students will take in May. Students are encouraged to buy their texts. The class is limited to 20. This is a writing intensive course.**

Prerequisite: None

Grade level: 11, 12

Course length: Full year

Introduction to Sociology (6 weight)

1 Credit

This course is designed as an advanced course. A college text is used. Students will become familiar with the vocabulary of sociology and the scientific methods it uses. The theoretical perspectives used by the discipline will also be studied. Course topics include the following: Culture, Social Interaction, Socialization, Deviance, Stratification, Race and Gender and Collective Behavior. Students are expected to write several critical analyses on assigned readings. These papers will follow current APA guidelines. The ability to write clearly is an important part of this course.

Prerequisite: None

Grade level: 11, 12

Course length: Full year

Western Civilization (6 weight)

1 Credit

This course is designed as an advanced course and uses a college text. It is a survey of the chronological development of civilizations and major political, economic and social developments. During the course some of the contributions of major philosophers, artists, writers, and scientists shall be discussed. Topics will be related to current world events whenever possible. Students are encouraged to read some of the works of famous European authors prior to taking the course. A reading list will be available in the library or from the department.

Prerequisite: None

Grade level: 11, 12

Course length: Full year

History of the Non-Western World (5 weight)

1 Credit

This course is designed with the history student in mind. It offers the opportunity to study those areas of the world where the U.S. foreign policy has been active since our beginning. The areas of emphasis are Russia from its dynastic period through the Communist Revolution, the Cold War to the New Russia of today; China from ancient to modern times, including its effect on U.S. foreign policy beginning with the Open Door Policy to the Two China Policy to the current U.S./China relationship; the Middle East as an emerging eco-political power and its ever-widening world influence; and Japan from early isolationism to world power. Student research is an important part of this course. Due to the constant changes in each of the areas of study, current events are a vital part of this course. This is a writing intensive course.

Prerequisite: None

Grade level: 11, 12

Course length: Full year

Introduction to Psychology (5 weight)

1 Credit

This course is designed for the student whose interests lean toward the behavioral sciences. Beginning with a history of psychology as a science, the course follows a traditional study including the biological foundations of behavior, learning, memory, thinking, language, intelligence, human development, personality, psychological disorders, therapies and stress. Students will be required to select related outside readings and to submit a research paper on this selection. Reading with comprehension and self directed study is an important part of this course.

Prerequisite: None

Grade level: 11, 12

Course length: Full year

Speech and Debate

1 Credit

This full year course introduces students to fundamentals of speech and debate. The class will focus on debate, extemporaneous speaking and other speech activities of students choosing. The culminating activity of each format will be a class presentation. This class will help students develop oral persuasion skills as well as enhancing research skills, organization skills, critical thinking skills and information processing skills. In addition, students will gain extensive knowledge in current events and background in basic philosophy. Supplemental speech formats may enhance knowledge of literature and drama as well.

Prerequisite: None

Grade level: 11, 12

Course length: Full year

SEMESTER COURSES

Current Issues in American Society

½ Credit

This elective directs the student to an examination of current events and issues in the United States. At least one issue or problem will be explored in each of six areas: political/legal, social, economic, cultural, diplomatic, and environmental. Students will use newspapers and periodicals to study the background, positions, and possible solutions to each issue. Students will use role-play, group work and advocacy to arrive at potential resolutions to the issues presented.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Social Development

½ Credit

This purpose of *Social Development* is to help students understand their behavior and the behavior of others in order to strengthen them as individuals and as members of groups. Topics such as basic needs, personality development, and philosophy are introduced in Unit I: Understanding Ourselves. Relationships with others are explored in Unit II.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

World Culture and Events

½ Credit

World Culture and Events introduces students to the elements of culture and culture's relationship to geographic setting. In addition to examining one's own culture, students will investigate cultures throughout the world. As a result, students will begin to understand the perspectives of others and respect those who are from cultures that are different from their own. Class presentations are a major component of this course.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

You and the Law

½ Credit

The focus of this course is the law and some of the many areas in which the law affects our lives. Students successfully completing this course will have basic understanding of how the law attempts to deal with the problems of American Society. An overview of our legal system, criminal law, and contracts are among the nine topics to be covered.

Prerequisite: None

Grade level: 11, 12

Course length: Semester

Additional Courses that may be used for Social Studies Credit

Child Psychology

½ Credit

Students will gain insight and understanding of the child's world by focusing on the importance of attachment, environment and early brain development.

Topics include: Human development and research, the principles of brain development, behavior learning theory, birth order, life cycle, conflict resolution, stress, decision making, discipline and behavior management, child abuse, alcohol and family systems, divorce, grief and loss process, blended and traditional families, and adoption. Students who are considering careers working with families and children (social work, education, day care, health care, counseling, therapy, community services, etc.) are encouraged to take this course.

Participation in the Early Education and Preschool Programs is a course requirement.

Students are responsible for written work as well as projects.

May be used for social studies credit or elective credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Family Issues

½ Credit

This course offers students the opportunity to build skills required for successful relationships and to explore the impact of family systems on personal development.

Topics include: Family systems and process, communication, conflict resolution skills, apartment rental and money management, relationships and intimacy, and family violence. Students who are considering careers working with families and children (social work, education, day care, health care, counselor, therapist, community services, etc.) are encouraged to take this course.

Participation in the Early Education Program is a course requirement.

Students are responsible for written work as well as projects.

May be used for social studies credit or elective credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Technology Education

Woodworking Technology I

½ Credit

This is a half-year course designed to meet the needs of a student who desires a basic knowledge of the construction of wood products as well as the ability to use many basic woodworking machines. The student is introduced to many aspects of woodworking including: identification and uses of wood, creating and reading a working drawing, proper and safe use of hand and power tools as well as fabrication methods and basic finishing techniques. Students work in design groups in the planning and construction of their products.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Woodworking Technology II

½ Credit

This class is the follow up to Woodworking Technology I. In this class students learn to work more independently on a product of their own choosing. Other woodworking machines are also introduced in this class to include the wood lathe, router and the radial arm saw.

Prerequisite: Successful completion of Woodworking Technology I.

Grade level: 9, 10, 11, 12

Course length: Semester

Design and Problem Solving in Woods Technology I

½ Credit

This class is designed to meet the needs of students who wish to further their woodworking skills after completing Woodworking Technology I and II. In this class students will be required to do all the various set-ups on the machines associated with the operations they are performing.

May be used for fine arts credit.

Prerequisite: Successful completion of Woodworking Tech II.

Grade level: 10, 11, 12

Course length: Semester

Design and Problem Solving in Woods Technology II

½ Credit

This class is a continuation of Design and Problem Solving in Woods Technology I. This class allows students to become more independent and provides time to work on advanced set-ups on the various woodworking machines. Students will also be introduced to the basics of carpentry as it relates to residential home construction.

May be used for fine arts credit.

Prerequisite: Successful completion of Design and Problem Solving in Wood Technology I

Grade level: 10, 11, 12

Course length: Semester

Entrepreneurship: Starting Your Own Business

½ Credit

Entrepreneurship is the formation of new small business enterprises. New business is a major source of inventions, innovations, and new jobs. In this class students will form a corporation, design a product for sale, produce it, including making all the jigs and fixtures, and market it, hopefully for a profit. This class is taught in the woodworking lab.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Machine Tools

½ Credit

Machine Tools is a half-year course that deals with the different aspects of metalworking, including: sheet-metal work, lathe and milling machine operations. Students will design and construct both required and independent projects through a problem solving approach.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Welding

½ Credit

Welding is a half year course dealing with many different aspects of metalworking that employ heat in metal fabrication. Some of these areas are: soldering, brazing, gas welding, arc welding, and MIG welding. Students will also be introduced to the many aspects of cold metalworking, as they are necessary in the hot metals processes. Students will design and construct both required and independent projects through a problem solving approach.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Design in Metals

½ Credit

This course is designed for students who want to take on advanced projects in metals. Key topics will include design and model making, drawing for design, form and function, materials, planning, cost calculations, and skill development in areas relating to project selection. Independent project work will be featured but some required projects will also be included.

Prerequisite: Successful completion of Machine Tools and Welding.

Grade level: 10, 11, 12

Course length: Semester

Small Engines

½ Credit

This course covers the full range of topics related to small gas engines. Students will study theory, construction, operation, maintenance, troubleshooting, service, rebuilding and repair. Students will tear down and rebuild both a 4-stroke and 2-stroke engine.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD – 2D Engineering (5 weight)**½ Credit**

This course is designed to provide students with the opportunity to experience the basic language used in technology and manufacturing industry. Students learn to use AutoCAD a 2D CAD program used by engineers and draftsmen to design products. This class is especially recommended for future engineering, architecture, or technology students.

Students may earn ½ Credit of embedded math upon successful completion of this course if they have successfully completed two credits in Mathematics.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD – 3D Engineering (5 weight)**½ Credit**

The CAD 3D for Engineering is designed to provide students with the opportunity to experience the basic language used in technology and manufacturing industry. Students will learn to use the Inventor program which is a powerful 3D CAD program used by engineers in their design work. This class is especially recommended for future engineering, architecture, or technology students.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD - Animation I (5 weight)**½ Credit**

CAD – Animation I uses the software 3D Studio which is a 3D animation software program used primarily by Architects and video game developers. Using Autodesk VIZ, students will study two and three-dimensional model development, camera options, lighting, and material assignment for the development of photo-realistic images and renderings.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD - Architecture Drawing**½ Credit**

CAD - Architectural drawing covers the standard drawing techniques used by architects and builders. A variety of common construction practices will be covered for typical residential structures. Some of these include: plot plans, footings, foundations, construction details, floor, wall, roof, window and door framing. Basically you will learn the parts of a house and how it is put together. This course will also include model building.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

CAD – Architecture Design

½ Credit

The many styles of residential American architecture are studied first in this course, and then students develop their own floor and elevation plans. Some of the topics covered include architectural styles, room planning, kitchen, sleeping and living area designs, and elevations. This course will also include model building.

Students may earn ½ Credit of Embedded Math upon successful completion of this course if they have successfully completed two credits in Mathematics.

May be used for fine arts credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Semester

Horticulture I

1 Credit

This course is for students who want to take part in the support of a working greenhouse. It is intended to help students develop occupational skills in areas such as plant breeding and propagating, growing and selling, processing and handling, sales and marketing; as well as research, maintenance and management as it relates to horticulture. Students will practice these skills in the operation of an on-site greenhouse.

This course may be used as a science credit.

Prerequisite: None

Grade level: 9, 10, 11, 12

Course length: Full year

Work Based Learning

Work Study

up to 2 Credits

Those students interested in the Work Study Program must attend an orientation meeting and complete an introduction assignment. This meeting typically takes place in June. The application package will be given out during this meeting. Please be prepared to express how your work study experience directly affects your career goals. Work Study applications will be denied if the relationship is not apparent. When registering for courses students will be scheduled for a full day of classes. Upon acceptance into the Work Study Program, the course load will be reduced to 4 academic courses. If a student is terminated or withdraws from a position of employment, they are required to have an exit interview with the employer and the work study coordinator. The student will then receive an unsatisfactory grade and no credit, and be required to return to a full day of classes. Dropping this course or being released from your employment will result in a loss of credit and a “WP or WF” will appear on your transcript. Students will be required to return to a full day of school.

The work study program is designed to help students develop basic work skills, as well as gain competence in a chosen occupational field that relates to their career goals. Students selecting Work Study are required to successfully complete the Career Seminar course. Students may not be employed by any relative or family member. Work Study students will be monitored by attendance check via phone and work site visits by the Work Study Coordinator. Students will be evaluated each marking period, and a grade of Pass or Fail will be given. Grades will be based on attendance, journal, employer evaluation, mid-term and final exam. All assessments need to be completed satisfactorily in order to receive a passing grade. Successful completion of the Work Study Program will earn students 2 credits toward graduation. Students need to meet the minimum Carnegie credit requirement of 240 hours. This does not imply that a student may stop work once the minimum hours have been reached. Guidelines for the Work Study Program will be included in the Work Study application package. Students must be enrolled in 4 academic courses, unless an exception is approved by an administrator.

Prerequisite: Students who meet application deadlines and course criteria.

Grade level: 11, 12

Course length: Full year

Career Seminar

1 Credit

Is there life after high school? For the past twelve (or more) years, you have been a part of a school community. The time is approaching for this chapter in each of your lives to close and a new and exciting chapter to open. This course is about helping you to explore and plan for life after high school. You will learn about different paths that you could take after graduation including taking time for a service activity, traveling, attending college, joining the military, and so much more. This course also gives you information about several important life skills including tips on wellness and health, personal finance, purchasing a car, and finding a place to live. This course allows you to explore and become familiar with all of the different options available to you after graduation. Emphasis will be place on filling out job applications, creating resumes, interviewing skills, practicing work place communication, and designing a career plan. This course is required for work-study students and is an elective for all students. This course will also allow students to complete an “on-line” real life scenario called On Your Own.

Prerequisite: Students who meet application deadlines and course criteria.

Grade level: 11, 12

Course length: Full year

Life Skills**up to 2 Credits**

This course is designed to teach students to increase their independence through functional daily living and community access activities. Students will learn to apply the essential skills of communication, decision making, organization, and scheduling as they function in natural settings or respond to structured or stimulated activities. This class is a two-year, double period course for freshman and sophomores. Recommendation for enrollment required. Pass/Fail.

Prerequisite: Staff recommendation only

Grade level: 9, 10, 11, 12

Course length: Full year

Prevocational Skills**1 Credit**

This course will teach student employment skills through a sequentially organized, whole person, career development approach. Students will develop their organization, decision making, communication, and scheduling skills while engaged in vocational activities. They will investigate a variety of careers and prepare to enter the society as productive members of the work force. This course is offered to juniors and seniors. Recommendation for enrollment is required.

Prerequisite: Staff recommendation only

Grade level: 11, 12

Course length: Full year

D.U.O.**No Credit**

“D.U.O.” stands for “Do Unto Others”. It is an educational program, which encourages students to become involved in a voluntary activity to benefit others. It is a commonly held belief that helping others ultimately helps people learn more and feel good about themselves. Students can arrange DUO in place of a study hall. Students wishing to pursue a DUO project must fill out a DUO application and contract with their DUO sponsor. DUO applications may be obtained from the Guidance Office.

Can be arranged as an eighth class. Juniors and seniors only.

Prerequisite: None

Grade level: 11, 12

Course length: Semester or Full year

Stafford Technical Center

Stafford Technical Center reserves the right to cancel, combine or alter courses in situations where scheduling or enrollment conflicts arise.

Rapid advances in technology are making significant changes in the way we live. The workplace is changing as businesses strive to compete in the global marketplace. Innovative management techniques are making a strong impact on the work environment. Students can use all these changes to their advantage as they prepare for the future, and Stafford Technical Center can help. The programs offered at Stafford Technical Center provide students with hands-on training and state-of-the-art technology unavailable to students elsewhere in the area. More than ever before, Stafford Technical Center offers an exciting and diverse range of educational choices.

Grade level: 11, 12

Architecture Engineering Design

Students who choose this program are eligible for up to seven (7) credits from Vermont Technical College in Architectural Drafting, Design Communications and Architectural History. Students use the latest software in computer assisted design to learn architectural and design/construction concepts. This program offers dual high school and college enrollment. Options for students with diverse mathematics ability are available. Embedded Mathematics credit; up to 6 units of high school credit; 6 college credits possible through Vermont Technical College or 6 college credits through SUNY Delhi.

Automotive Technology

Students interested in cars, should consider this program where they learn how to diagnose and repair vehicles. Stafford's well-equipped lab provides a valuable opportunity for hands-on learning. Here students develop skills in braking systems, steering and suspension systems, wheel alignment, welding and engine overhaul. As students master these techniques, they also learn more about complex electrical diagnostic procedures using computer systems. Embedded Science or Math credit; up to 6 units of credit; NATEF Certification; up to 12 college credits available through the University of Northwestern Ohio and Universal Technical Institute.

Automotive Technology: Refinishing and Collision

This program focuses on analyzing and repairing structural and non-structural vehicle damage. Students gain experience in mechanical and electrical repair, frame straightening and panel replacement, plastics and adhesives, refinishing techniques and procedures, management and operation of a privately owned auto body business. Embedded Science or Math credit; up to 6 units of credit; New England Institute of Technology up to 13 college credits available.

Construction Technology

This program offers a strong introduction to the tools and techniques of the industry. Students learn to use hand and power tools safely and accurately, develop project-estimating skills and become familiar with contemporary building materials. Students build with panelization and production methods. Students gain practical experience from frame to finish on and off-campus at Stafford's residential project where a neighborhood is being built. Embedded Mathematics credit; up to 6 units of credit; National Center for Construction Education and Research Certification; OSHA Construction Safety Certification; AGC/VT Program Credential; up to 9 college credits available through New England Institute of Technology.

Cosmetology

This program prepares students for a successful career in the cosmetology industry. Students enroll in the program for two academic years, including on summer semester. During this concentrated instruction, students accumulate 1500 clock hours required to be eligible for the Vermont State Cosmetology Licensing Examination. Successful students in this program must have excellent interpersonal communication skills and practice professionalism in all interactions. Applied academics in the areas of business and finance, cosmetic chemistry, and language arts are an integral part of the program.

Embedded Science credit; Articulation with the New England School of Hair Design, up to 1500 hours towards the VT State Cosmetology License, Heartsaver CPR.

Culinary Arts

In Culinary Arts, students will be provided with a unique opportunity to explore and experience the skills, stamina and education associated with the industry. Students will gain knowledge and training through our on-site bakeshop and restaurant. Our laboratory features some of the newest electric, environmentally friendly technology that is currently available. Practical experiences will include: food safety and food sanitation, food preparation, pastry arts, purchasing, cost analysis, production, fabrication, knife skills, professionalism and many of the front of the house skills needed to operate a business. Good math skills and physical stamina are essential. Embedded Math or Science credit; Serv-Safe Certification; up to 6 units of credit; accelerated status agreement with the New England Culinary Institute.

Digital Arts

Digital Arts students explore careers in multimedia, design, illustration and animation for print, the web, television, film, CD and future technologies. The program will also introduce digital video, photography and interactive multimedia. Students will explore communication and visual language through hands-on project based activities. The class will often function as an advertising agency/production house. Working with Stafford as a client, students will create logos and marketing strategies that appeal to their peers. Personal vision and individual artistic aesthetic will be nurtured and encouraged. This is a college bound program where students develop a portfolio of work for the college application process. Curriculum and specific lessons are based on introductory college curriculum. Embedded Art credit; up to 6 units of credit; college credit available through the Vermont State College System and New England Institute of Art.

Electrical/Plumbing

The Electrical/Plumbing program will help students develop skills to enter their chosen career through VT Apprenticeship program or continue studies at the College level. The classroom experience is enhanced by on-site practical applications at the residential building project and other electrical or plumbing construction projects in the area. In addition, students have a “hands on” introduction to applications in Solar and Wind Renewable Energy, Energy Conservation, HVAC, Blueprint Reading, and Electrical/Plumbing/HVAC System Design. Embedded Science or Math credit; up to 6 units of credit; the Electrical/Plumbing Program can lead directly to VT Apprenticeship courses offered at Stafford; OSHA Construction Safety Certification; up to 4 college credits available through SUNY Delhi.

Forestry, Natural Resources and Horticulture

For students interested in forestry and “the green industry,” this program helps them gain valuable skills and knowledge. Students will be involved in practical experiences with forest products, manufacturing and production, forest recreation, soil and water quality analysis, aquaculture, arboriculture, landscape design and installation and greenhouse management. The Rutland region becomes the lab as students explore various forest and recreational areas, greenhouse and aquaculture facilities and tree plantations. Embedded Science credit; up to 6 units of credit; Game of Logging Certification; Wilderness First Aid Certification; Certified Pesticide Applicator through the Vermont Department of Agriculture; OSHA Construction Safety Certification; 9 college credits available through Paul Smith’s College and 6 college credits available through Unity College.

Health Careers Academy

Through a partnership with Castleton State College, Southern Vermont Area Health Education Center and Rutland Regional Medical Center, our new Health Careers Academy provides an in-depth, two-year program, combining classroom learning with hands-on practice in a wide variety of health care environments.

Year One: explores the variety of health career choices with both hands-on and observational experiences. Students will learn career exploration, medical terminology, communication skills, anatomy and physiology, growth and development, medical math, CPR and the skills and knowledge necessary to prepare for the Licensed Nursing Assistant Exam. Embedded credit in Science; up to 6 units of credit; LNA Certification; AMA First Aid Cert.; CPR Basic Life Support with AED.

Year Two: students are selected for the second year of the program based on their first-year performance. Students will focus on the health career of their choice by building on the skills and experiences gained from the first year's work. Students will spend fifteen (15) hours a week in the career of their choice. Practice areas vary and may include: several departments at Rutland Regional Medical Center, Regional Ambulance Service, area physician offices, school nurse offices and area veterinarians, attend Castleton State College for coursework that is applicable to high school graduation requirements and the student's college of choice. Students may take up to six (6) credits each semester, tuition free, have a professional preceptor in the clinical sites, receive a stipend for the hours worked in your clinical setting and participate in a Senior Seminar which focuses on application of knowledge. Up to 12 college credits available through Castleton State College and up to 3 college credits available through Community College of VT.

Heavy Equipment Operations

The Heavy Equipment Operations program prepares students for a successful career in the Heavy Equipment construction field. Student may attend the program for one or two academic years with a concentration in the first year on the safe operation of heavy equipment, welding, and machine maintenance. Second year students will have the opportunity to meet all requirements to be eligible for a Class B – CDL License.

Embedded Science; Articulation/Certification Opportunities through US. Department of Labor Occupational Safety and Health Administration (OSHA), Heartsaver CPR, Mine Safety Health Administration Certification (MSHA), CDL Permit.

Hospitality and Entrepreneurship

This program is designed for students who may have a career interest in the hospitality industry. This may include retail, business ownership, customer service, human resources, and business management. Students may pursue a career after high school or continue their education at a post-secondary institution. Recommended classes before entering the HTMA program include: college prep English, two years of science and math, with at least one year of Algebra. Keyboarding and computer skills are also recommended.

Embedded Mathematics or Social Studies; up to 6 units of credit; 3 credits at CCV (Accounting); 13.5 credits at Johnson and Wales in Lodging Management or 4 credits at Johnson State College HTM Program or 9 credits at Paul Smith.

Human Services

Explore the physical, intellectual, emotional and social development throughout the life cycle. Expand your interpersonal skills, focus on communication issues and explore problem solving, leadership and teamwork skill building. Fieldwork includes service in the preschool lab and at various community agencies. Choose to strengthen personal relationships and workplace skills. Embedded Social Studies credit; up to 6 units of credit; 7 college credits available through the College of St. Joseph by Examination and Portfolio in Psychology and Human Services; up to 3 college credits through CCV.

Music: Jazz and Contemporary

If the idea of a career in music gets you jazzed, explore your options at Stafford. You will receive training in the language of music, arranging, improvising and modern music technologies. Learn to produce and market your talents. With your classmates, you will produce live performances using sound, stage and lighting. This program provides an introduction to the commercial aspect of the industry. Students must audition by displaying competency in one instrument or vocal performance.

Embedded Fine Arts credit: up to 6 units of credit; 6 credits available through Johnson State College Fine Arts Program and 3 credits available through New England Institute of Art.

Power Mechanics

Learn how to repair and operate compact equipment to heavy equipment and motorcycles to backhoes. You will gain experience in diesel technology and have guided practice in the latest metal fabrication equipment, including plasma cutting, GMAW (Gas Metal Arc Welding), SMAW (Stick Metal Arc Welding), TIG (Tungsten Inert Gas) and Oxy-Acetylene welding techniques. American Welding Society certification is available for advanced students. Embedded Science or Math credit: up to 6 units of credit; American Welding Society (AWS) Certification; 4 college credits available through SUNY Delhi.

Public Safety Services: Law Enforcement

This program has been developed through a partnership between Stafford Technical Center and the Rutland City Police Dept., Vermont State Police, Rutland City Sheriff Dept., Police Academy, Correctional Academy, College of Saint Joseph, and the Rutland Regional Ambulance Service. This program provides students with an introduction and overview to law enforcement careers and crime prevention skills. Students learn through a variety of methods including: classroom lecture, demonstrations, and practical experiences. This program takes place at the College of St. Joseph campus in Rutland. Transportation to and from the campus is provided by Stafford Technical Center. Embedded Social Studies or Science credit: up to 6 units of credit; First Responder certification and Incident Command Certification; up to 10 college credits available through the College of St. Joseph. College courses include an English credit and other credits as scheduled.

Video Production and On Camera Performance

Students learn to use this exciting technology as a vehicle for personal vision and imagination. Through hands-on production using top-notch equipment, students explore careers in television, feature film, and advertising. Students practice all phases of production both in the studio and on location, creating projects that explore the varying industries of feature film, music video, commercial, documentary and video art. Embedded Science credit; up to 6 units of credit; college credits available through Castleton State College, Lyndon State College, The New England School of Communication and the New England Institute of Art.

Academic courses available at Stafford Technical Center to students enrolled in Technical Programs include:

College Prep (CP) American Literature (1.0 credit)
College Prep (CP) British Literature (1.0 credit)
Technical English 1 (1.0 credit)
Technical English 2 (1.0 credit)
Public Speaking (0.5 credit)
Writing Workshop (0.5 credit)
U.S History (1.0 credit)
Current Issues (1.0 credit)
Algebra 1 (1.0 credit)
Algebra 2 (1.0 credit)
Geometry (1.0 credit)
Accounting (1.0)
P.E. (0.5 or 1.0 credit)
Practical Chemistry and Lab. (1.0 credit)

In addition, students can fulfill credits through a structured independent study or with a Personal Learning Plan project. For both of these, students work with a coordinator who will help them plan and complete these credits.

Fair Haven Union High School
Educational Plan
Graduation Requirements

Student Name: _____

Required Subject Areas	GRADE 9	Credit	GRADE 10	Credit	GRADE 11	Credit	GRADE 12	Credit	TOTAL
English (4)									
Math (3)									
Science (3)									
Social Studies (4) (to include US History)									
Fine Arts (1)									
Phys. Ed (1.5)									
Health (.5)									
Computer (.5)									
Tech Ed. or Cons. Fam. Studies (1)									
Electives (3.5)									
TOTAL CREDITS needed 22									

Courses that fulfill the Fine Arts requirement: Art Courses, Music Courses, Textiles and Design, Fashion and Design, CAD Architectural Drawing or CAD Architectural Design, CAD Animation, Design and Problem Solving in Woods I and II.