

This book contains the information that you and your parents need to help you plan your high school studies and make decisions about course selection for the 2009-2010 school year. Please refer to the Recommended College Preparatory Curriculum and Recommended Career, Technical and Business Curriculum on pages 8 and 9. We make every effort to accommodate your requests; however, scheduling conflicts occur that may prevent you from being able to take every course that you want. Please contact the Department of Student Support Services if you have any questions. This Course of Studies, as well as additional college and career planning information are available online at www.VUHS.org.

The Department of Student Support Services is readily available for you and your parents when you want help in program planning. Call for an appointment, or stop by. We encourage you to meet with us and would welcome parents and teachers to join us. **Your school counselor is determined by your Morning Meeting teacher. Please refer to list below.**

Virginia Cole-Levesque
Director of Student Support Services
877-2567 x 4

Susan Husk
School Counselor
877-2567 x 6

Jay Stetzel
School Counselor
877-2567 x 7

Morning Meeting
Suzanne Buck/Becky Ebel
Rebecca Coffey
Leah Hammond
Lynn Kayhart
Sue O'Daniel/Sarah Cook
Jeff Spencer
Roberta Steponaitis
Leo Racht
Pamela Taylor
Chris Wyckoff/Nancy Kuhns

Morning Meeting
Beth Adreon
Nancy Ambrose
Margaret Bedard
Harmon Boyce
Ed Cook
Matthew DeBlois
Peter Garrecht
Elizabeth Jameson
Janet Kepes
Kristine Kirkaldy
Lisa Newhard
Ralph Paquette
Mark Powers
Teresa Smith
Cathy Spaulding
Karl Steen
Judy Wiger/Michelle Chamberlain

Morning Meeting
Glenn Story
Michael Thomas
Sarah Thompson
Middle School

Vergennes Union High School has been accredited since 1959 by the New England Association of Schools and Colleges, Inc.

It is the policy of the Addison Northwest District and the Vergennes Union High School not to discriminate in education programs, activities, or employment practices on the basis of race, language, sex, age, or handicapping condition under the provisions of Title VI of the 1972 Education Amendments; Section 504 of the Rehabilitation Act of 1973; and the Education of All Handicapped Children Act of 1975.

Cover designed by Shauna LaFave

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Course of Studies

MISSION STATEMENT

Our purpose as a school community is to develop knowledgeable, responsible, respectful, and healthy individuals who flourish in and contribute to an ever-changing society.

GRADUATION REQUIREMENTS

As a graduating senior from Vergennes Union High School, you must demonstrate that you have attained or exceeded the standards for each of the following graduation requirements:

- I. Each VUHS graduate will be a knowledgeable, culturally literate, and well-educated young adult as demonstrated through the successful completion of at least twenty-two (22) credits (also known as Carnegie units), including at a minimum, the following courses, aligned with ANWSU and the Vermont Framework of Standards—
- 4 units of English/Language Arts (including World Literature, American Literature, and starting with the Class of 2012, Voices will be a required course. Students in the class of 2012 may be exempted by the administration from taking Voices if their goal is to begin AP English classes in 11th grade)
 - 3 units of mathematics (including Integrated Math I or I-YA&B)
 - 3 units of science (including Space, Time, and Matter; Universe, Earth, and Environment; and Living World)
 - 3 units of social studies (including World Cultures and U.S. History)
NOTE: At the time of this printing the VUHS School Board was reviewing a proposal to change the Social Studies graduation requirement for the Class of 2013 to 3.5 credits.
 - 1 unit of fine arts
 - .5 unit of health
 - .5 unit of technology
 - 1.5 units of physical education
NOTE: You must earn one and one-half credits in physical education. Credit may be earned through course work or participation in an approved VUHS athletic activity. Credit for athletic activity is earned at a rate of .25 credit per season, up to .5 credit per sport with a grade of Pass. Only increments of .5 credit will be recognized. There is a limit of 1 credit that may be earned through team sports.
 - 5.5 units of electives
- For a minimum of 22 credits**
- II. Each VUHS graduate will be an effective communicator and user of information
- III. Each VUHS graduate will be a creative and analytical thinker
- IV. Each VUHS graduate will be a responsible, respectful, and healthy citizen

Each VUHS graduate must demonstrate that he or she has attained or exceeded the standards for each of the VUHS graduation expectations numbers II, III, and IV, as outlined above, through the results of performance based assessment as approved by the VUHS administration.

OR
Successful completion of an Individual Education Plan (IEP) as developed under the procedure established in the Addison Northwest Supervisory Union.

OR Multi-year Plan

As outlined in the Vermont School Quality Standards (SBE Rules 2120.8.2.1 c), “A Multi-year Plan is an individual plan for students with limiting handicaps that leads to completion of the graduation requirements. This plan shall include a component explaining an exception to the graduation requirements and alternative requirements designed for the pupil.” Upon successful completion of a Multi-year Plan for graduation approved by the Superintendent or his or her designee, a diploma shall be awarded to the student.

DAILY SCHEDULE

The schedule consists of one twenty minute period and five seventy-five minute periods. The first twenty minutes of the daily schedule is Morning Meeting, period 1. After Morning Meeting periods 2, 3, 7, and 8 may be scheduled as a semester block meeting every day, or as an “A or B-day” class meeting every other day for a semester or the year. The call-back periods, 4, 5, and 6, are twenty-five minutes each and will be used for music instruction, lunch, and call-back.

Morning Meeting

Morning Meeting provides a stable peer community of students who learn together through four years with an advisor. Your advisor serves as an advocate and liaison for each member of the group, helping you navigate school-related choices with your family and counselor. During the twenty minute morning meeting session at the beginning of each school day, each morning meeting group establish their own rules, responsibilities, and expectations. The advisor’s goal is to create a connection with his or her advisees. Each group will complete activities based on the habits of learning—*inquiry, expression, critical thinking, collaboration, organization, attentiveness, involvement, perseverance, and reflection.*

In Morning Meeting you will

- Receive important information from the main office, guidance, and other teachers
- Meet regularly with your school counselor
- Attend all-school and grade specific assemblies
- Plan for the future—testing, college, apprenticeships, jobs, etc.

Your advisors will

- Maintain contact with all advisees in their morning meeting groups
- Follow up with grades, call-back, and other academic issues
- Provide support to all advisees and families
- Schedule activities for Morning Meeting that build both social and academic connections
- Attend monthly meetings that monitor students’ progress and refer students to the Educational Support Team as needed

Call-Back

Call-back is a system in which we emphasize timely academic intervention in a student’s learning. Should you fail to adequately master a concept, plan to be available either that day or the next for re-teaching and re-learning. By avoiding the after-school conundrum of sports, jobs, and busing, we can provide you with the extra help necessary for you to be successful. It is your responsibility to take advantage of this extra time, and if “called back” by a teacher for extra help, your attendance is mandatory. If you would like extra help from a teacher, you may ask the teacher to schedule you for call-back. Your Morning Meeting advisor will distribute requests for call-back from other teachers. Then you will take advantage of one 25 minute lunch and two 25 minute call-back periods.

Band and Chorus

Music instruction will take place in the first two 25-minute periods of call-back (periods 4 and 5). As a music student you will take your lunch during the third 25-minute period. (period 6). Through prearrangement, music students may be called back if necessary before, during, or after school.



PLANNING FOR YOUR HIGH SCHOOL CAREER AND BEYOND

Your high school diploma is the foundation that provides you an array of options for your future. On average, the more education and training you have, the greater your life-time earnings will be. Further education and training beyond high school also reduce your chances of facing unemployment in difficult economic times. Part of your job while in high school is to explore your strengths and weaknesses, to focus on what you enjoy and find satisfying, to examine your unique and preferred ways of learning, and to explore the career factors that you prefer such as working with people, being creative, solving problems, helping others, using tools and equipment, being outdoors or working at a desk, manipulating numbers, etc. Becoming involved in student government, clubs, sports, and other extracurricular activities helps you become a well-rounded person and allows you to develop your interests, abilities, and leadership skills.

Take the courses in high school that will prepare you for a fulfilling career after high school. For some, that may mean attending Hannaford Career Center to pursue agricultural, technical, trade, or service careers, often followed by one-, two- or four-year institutions of higher learning. The School to Work program at VUHS allows you to learn and apply employability skills. Many of you will attend college to expand your options, get specialized career preparation, and study your fields of interest.

Your teachers, school counselor, and Morning Meeting advisor all want to help you be successful, make the most of your high school education, and prepare for life after graduation.

Additional information is available on VUHS's website. Go to www.VUHS.org and click on Guidance for information on the following:

Getting Into College:

- Your high school transcript
- Your record of activities
- Advanced Placement (AP) courses
- The SAT and ACT
- Finding colleges that are a good fit for you
- College representatives
- Applying to college
- Paying for college

Information about Entering the Work Force After High School

- The ASVAB (Armed Services Vocational Aptitude Battery)
- Apprenticeship
- On-the-Job Training (OJT)

Ninth Grade Program

A few years ago, we identified the need to support ninth grade students as they transition into high school because our report card data showed a significant increase in failing and near failing grades. We want you as ninth grade students to be academically successful, to make healthy choices, and to continue to develop strong aspirations for your future. To help support you as you move in this direction we have implemented the following experiences as part of an evolving ninth grade program.

- World Cultures and World Literature courses will meet all year (every other day). Teachers will have a year long relationship with you rather than the shorter time that conventional semester-long courses allow.
- We have designated one of the three core science classes—Universe, Earth and Environment—as the freshman science course so that science teachers can help you learn the inquiry and reporting skills that you must have in other science courses.
- We recommend that you complete both a physical education and a health course in grade 9 or 10. This sets the stage to support healthy choices.

Walden

The Walden Program provides a unique learning experience rich in the humanities and in environmentally-based experiences. See the program description on page 29. You may earn eight credits each year that you participate in the Walden Program. Most students enroll in Walden for two years.

Advanced Placement (AP) Courses

Many colleges award credit and/or advanced placement in college courses if you score high enough on AP Exams. Not all AP courses run every year. We offer AP courses in the following academic disciplines: Biology, English Literature, English Language, Calculus (Level AB), European History, Statistics, United States History, and French Language. Students are responsible for AP Exam fees.

NOTE: AP courses will be offered as staffing, AP College Board certification requirements, and enrollment permit. If an AP course is not offered at VUHS, we will not administer the exam.

Middlebury College

Seniors have the opportunity to apply to take Middlebury College courses free of charge; however, there are a limited number of spaces available. In order to qualify, you must be ready to do college-level work, must have successfully completed the highest level course work available at VUHS in the area you would like to study, and must meet other college requirements. A three- or four-credit college course will count as one credit toward high school graduation and will figure into the high school numeric grade average. Students, however, will receive no college credit from Middlebury College and should know that this credit may not transfer to any other college. If you are interested in taking a Middlebury College course, make an appointment with your school counselor to get information about additional requirements and to apply. The application process is held in the spring of your junior year.

Community College of Vermont

If you want to earn high school credit for work at Community College of Vermont (CCV) or other colleges, you must get prior written approval from your school counselor before beginning the course or program and sign a release for the transcript to be sent from Community College of Vermont to the Department of Student Support Services upon completion of the course. For seniors, the Department of Student Support Services must receive the transcript at least two weeks before high school graduation. The grade will be figured into your high school numeric grade average (NGA). You are responsible for any costs. If you would like to take CCV courses, you will be asked to take the Accuplacer at CCV. This test, which is free, will help you enroll in the correct level of courses.

On-line or correspondence course work

If you plan to earn high school credit for work done through a high school correspondence course or an on-line course, you must get prior written approval from the Director of Student Support Services. Such courses would normally be taken because you are unable to take the course here. No more than three credits of correspondence school and/or on-line course work may count toward graduation. It is your responsibility to pay for correspondence school credits and on-line courses, to have the transcript sent to the Guidance office upon completion of the course, and in the case of a graduating senior, to have the correspondence school or on-line course transcript sent to the Guidance and School Counseling Office so that proof of completion of the course is known at least two weeks before graduation. Grades of 70 and above will be considered passing.

Other options

There are a number of Dual Enrollment, meaning courses or programs you can enroll in while still a student at VUHS, opportunities offered through the Vermont State Colleges or Northlands Job Corps, for example. Brochures are available in the Guidance and School Counseling Office.

Early Graduation

Vergennes Union High School neither promotes nor encourages graduation in less than a traditional four-year program. However, in cases where you have special circumstances, you may seek approval of an early graduation plan. The Principal and Director of Student Support Services, on a case-by-case basis, will consider requests. If you plan to graduate in three years, make an appointment with your school counselor to discuss this option, check your credits, and look at the pros and cons of early graduation. Students who plan to graduate in three years are still required to take the NECAP testing as they would have as an 11th grader. If you fulfill your graduation requirements in three and a half years, your diploma will be awarded at the time of the annual graduation ceremony. If you graduate early, you will be eligible to receive graduation awards and scholarships.

GRADES

Incomplete Grades

When you earn a grade of “Incomplete” (INC), it is your responsibility to follow through and complete all work within 10 days after the end of each marking period. Incomplete grades affect honor roll eligibility and may also affect participation in extra-curricular activities. After 10 days, teachers calculate your grade based on work completed, averaged in with work that you should have completed, and submit a grade in place of the “INC” in writing to the Guidance Secretary.

Exceptions to carrying an “INC” beyond 10 days are cases in which there are significant extenuating circumstances (for example, hospitalization, administrative permission, etc.).

Honor Roll

In order to be considered for the honor roll, you must be enrolled full-time see page 8. The honor roll is based on quarterly grades. If you have an “INC” grade at the time the honor roll is generated, you will not be eligible for honor roll.

Adding, Dropping, Withdrawing from a Course

You may add or drop courses during the first five days of each semester, and no record of the changes will appear on your report card or transcript. This is a grace period during which you may make schedule adjustments. Your parent/guardian must approve schedule changes.

The grade “WP” indicates that you withdrew from a course and were passing at the time of withdrawal. The grade “WF” indicates that you withdrew from a course and were not passing at the time of withdrawal. No numerical grade and no credit will be assigned to the grades “WF” or “WP,” and they will not affect your average. You need parental permission to withdraw from courses. The grade “W” will be used when a student withdraws from a course under certain circumstances, such as due to events beyond his/her control or the course is not far enough along for the teacher to generate a grade.

If you withdraw halfway through a one-semester, one-credit course (at the end of the first 9 weeks, or at the quarter), you will receive your mid-point average for a grade and .5 credit if you are passing, or your mid-point average for a grade and no credit if you are not passing. Whether passing or not passing, the midpoint grade will affect your average.

If you continue into the second half of the course that meets daily and then withdraw before the end of the course, you will receive the mid-point average for a grade and .5 credit if you are passing or no credit if you are not passing, and then a “WP” or “WF” for the remainder of the course, depending on if you are passing or not passing at the time of withdrawal. Your midpoint grade will affect your average. The “WP” or “WF” will not affect your average. No quarter credits will be awarded.

OTHER IMPORTANT PROGRAM INFORMATION

Course Sequences

In most departments, courses follow a logical sequence, one serving as the foundation for the next. For example, before taking other art courses, you must successfully complete Art Essentials or Basic Art. All world language and most mathematics courses are sequential. Your advancement to the next level course may require meeting course prerequisites. Any prerequisites beyond numerically sequenced courses are listed in the course descriptions. If prerequisites are not met, school counselors reserve the right to automatically change course requests.

Year of Graduation

You will proceed through school accumulating credits toward graduation. To be considered a senior, you must plan to graduate by June of your senior year and have a schedule that will allow you to meet all graduation requirements before the date of graduation.

Part-Time, Full-Time Status

Full-time status for students in grades 9-12 means taking at least 4 credits/units each semester at VUHS, or taking a half-day program at Hannaford Career Center and two credits at VUHS, or attending Hannaford Career Center all day. You must maintain full-time status to participate in co-curricular activities and sports and to be considered for honor roll. If you are not taking a full-time schedule each semester, you must obtain written parental/guardian permission and file a part-time student status form also signed by your parent/guardian.

Challenging a Course

If you believe you have learned and can apply skills and knowledge encompassed in a course and can meet Grade Expectations for that course, you may challenge the course by arranging to demonstrate your knowledge and ability to the department coordinator prior to the beginning of the course or within 5 days of starting the new course. (To look for Grade Expectations, go to http://education.Vermont.gov/new/html/pgm_curriculum.html.) If you successfully challenge a course, you move on to the next level in the course sequence, but you will not receive a grade or credit for the course you successfully challenged.

Designing an Independent Study

Independent study may be allowed in special circumstances with principal's approval. Talk to Mr. Webbley to discuss your independent study options.

RECOMMENDED PROGRAMS OF STUDY

College Preparatory

The following is the recommended college preparatory curriculum that will meet or exceed most college requirements:

Grade 9

World Literature
World Cultures
Math
Universe, Earth, & Environment
Adventure PE
Health

Recommended additional courses—

Living World
Fine Art
World Language
Continue math sequence

Grade 10

American Literature
U.S. History
Continue math sequence
Living World and/or Space, Time, & Matter
Exploring Global Topics in Technology

Recommended additional courses—

Voices (2nd Semester)
Continue math sequence
World Language
Physical Education
Biology and/or other science elective

Grade 11

English elective
Social Studies elective
Continue math sequence
Science elective
World Language
Physical Education
Advanced Placement courses
Other electives

Grade 12

English elective
Social Studies elective
Continue math sequence
Science elective
World Language
Advanced Placement courses
Other electives

Career/Technical/Business

This recommended curriculum is designed to prepare students whose interests and needs can best be met by enrolling in one of the programs offered at the Patricia A. Hannaford Career Center in Middlebury. Students following this program of studies will be prepared to attend many four-year and most two-year colleges as well as certificate, diploma, and apprenticeship programs.

Grade 9

World Literature
World Cultures
Math
Universe, Earth, & Environment
Adventure PE
Health

Recommended additional courses--

Living World
Fine Art
World Language
Continue math sequence

Grade 10

American Literature
U.S. History
Continue math sequence
Living World and/or Space, Time, & Matter
Physical Education
Exploring Global Issues with Technology

Recommended additional courses—

Pre-Tech elective
Social studies elective
World Languages

Grade 11

English elective
Continue math sequence
Social Studies elective
Physical Education
Hannaford Career Center program

Recommended additional courses--

English elective
Math elective
Science elective
Social Studies elective
World Language

Grade 12

English elective
Hannaford Career Center program

Recommended additional courses--

English elective
Continue math sequence
Science elective
Social Studies elective
World Language

The Patricia A. Hannaford Career Center (HCC) in Middlebury offers Pre-Technical Foundation courses for sophomores and career and technical studies for juniors and seniors. Career and technical studies at HCC include programs in Agriculture, the Arts and Humanities, and Technology. Transportation will be provided to and from Hannaford Career Center each day.

If you attend HCC, you may be scheduled in several different ways, depending on the program and/or your individual preferences: full day for a half year, half day for a full year, full day for a full year. HCC course offerings are briefly described at the back of this booklet and detailed information is available in the HCC course of studies available in the Guidance and School Counseling Office and at <http://hannafordcareercenter.org>. You may also refer to the chart of applied and embedded credits on page 34 for more important information.

Several of the programs at Hannaford Career Center have college options built into them. For example, if you qualify, you can earn credits at the New England Culinary Institute (NECI) through the Culinary Arts program and credits at Vermont Technical College through the Diesel Tech program. Apprenticeship options are also available through some of the programs at HCC. Upon high school graduation, you may continue in apprenticeship, working to earn your journeyman's license as you learn a skilled trade, many of which are now in high demand.

In some cases, you may pursue technical studies at other career centers, for example, in Burlington or Essex Junction. You must, however, provide your own transportation. Interested students should meet with your school counselor for more information.

All courses will be offered as staffing permits.

ART

Art Essentials (previously Basic Art) is the prerequisite for all other courses in the department. The following courses carry fine arts credit. These courses are designed to meet Vermont Framework Standards and National Arts Education Association Standards.

Please direct questions regarding art selections to Mr. Spencer ext. 225 or Ms. Hammond ext. 224.

FA815 ART ESSENTIALS 1 Credit **Grades 9-12**

Art Essentials is designed to provide you with a working knowledge of the elements and principles of art as you apply them to drawing, painting, and design. A variety of media is integrated, so you can experience and investigate the qualities, styles, and techniques associated with each medium. Projects may vary in difficulty according to your ability.

FA818 ADVANCED ART 1 Credit **Grades 10-12**

Advanced Art offers an atmosphere where you can begin to focus on a particular medium for an extended period of time. Advanced Art is the next logical step for artists who wish to gain control over the technical and creative aspects of their favorite artistic tools and style. Students of Advanced Art should be self-motivated and wish to use project guidelines as a method of self-expression.

FA827 SPECIAL TOPICS IN ART A or B-day .5 Credit **Grades 9-12**

Special Topics in Art will allow students to focus on four specific artistic mediums. A longer period of time will be spent working in each medium which allows you a greater depth of understanding of the associated materials and techniques. The four topics may include: clay, encaustic, sculpture, drawing, batik, painting, mosaic, digital photography, and metals. Having more time to become acquainted with an artistic medium will allow you to expand your artistic repertoire and create quality pieces for your portfolios.

FA820 CREATING ARTISTIC AND ELECTRONIC PORTFOLIOS A or B-day .5 Credit **Grades 10-12**

In this course you will utilize class assignments in combination with existing artistic works to create electronic and physical portfolios. This portfolio could be used for college admissions or for acceptance into an arts school. This class will guide you in the development of observational drawings, design/composition skills, and creative problem solving. You will also learn to digitally document art and present your work in a digital and physical manner. You may attend National Portfolio Day in the fall where various college representatives view artwork, offer critique, discuss college plans, and share information about their schools.



CAREER DEVELOPMENT & APPLIED LEARNING

Grading for DUO and School to Work will be pass/fail. Please direct questions about School-to-Work, DUO or Challenge to Dennis West ext. 214.

B-5705 DUO-Community Service Learning Program (up to 1 elective credit per semester) Grades 9-12

Teacher permission required.

Do Unto Others (DUO) is a service-learning program which enables you to receive academic credit for volunteering and learning in the community and school. Placements are many and varied. You may choose your own area of interest and/or select a DUO site with the help of Mr. West, the Coordinator of Career Development and Applied Learning, who monitors and evaluates your progress. Placements may be at VUHS, local elementary schools, non-profit and government offices and programs, businesses, art programs, etc.

To participate in DUO, **you must complete an application** and meet with Mr. West. Following an initial interview, you develop a schedule of participation. You keep a log of the hours you spend at your DUO site, and each quarter you participate in a block-long reflection discussion group about your program. Credit is awarded based upon time spent, as well as completion of these other elements of the program. Credit for hours volunteered outside of the regular school day may be earned by prior arrangement with Mr. West. For 60 hours of service learning, you receive one-half elective credit.

The following DUO options are available:

Community Service

Examples of community service include volunteering at The Lake Champlain Maritime Museum, working at the John Graham Center, regularly visiting nursing home residents at local private nursing homes or Porter Hospital, as well as volunteering at The Vergennes Animal Hospital. Both short-term and long-term placements are available.

Student Mentoring

Those who like to work with younger students may serve as an older mentor to an individual student, playing games and engaging in activities with him/her. Some student mentors take on a role in the student's learning program, reading to the younger student or helping with class work or homework. Placements are available at each of the district elementary schools, as well as at some local day care facilities and nursery schools.

Peer Tutoring / In-School Volunteer

There are many opportunities for DUO volunteers to serve the school community, and new ways are always being created. Some of the roles that students have fulfilled include: library circulation assistant, computer lab aide, science lab aide, audio-visual assistant, secretary's assistant, and peer tutor in the learning centers or library.

B-5605 SCHOOL-TO-WORK (Work Co-op) .5 Credit Grades 10-12

PREREQUISITE: Teacher permission required.

This program is open to students in grades 10-12 who are at least 16 years old and who would like hands-on work experience in a field in which you have a special interest. This program gives students who are college bound or planning to join the work force after graduation a chance to see what your chosen field is really all about. Placements are made on an individual basis. See Mr. West before enrolling in this course to discuss your interests and options. Mr. West will make appropriate arrangements with prospective employers. In this program, you may accept no monetary compensation for your school-to-work employment. You will attend class as required by the teacher and will be required to complete a portfolio. Grading is pass/fail.

Computer Lab Assistant through School-to-Work

Grades 10-12

PREREQUISITE: Successful completion of prior technology course and basic understanding of hardware.

You will expand your technological knowledge as you assist other students and faculty with their projects and help them to troubleshoot. You will learn troubleshooting techniques to fix hardware and software problems. Patience, interest and the ability to show up regularly are the prerequisites for this course, along with a basic understanding of hardware and school software. Must also be approved by Wendy Cusson or Tom Heller.

B900 CHALLENGE PROGRAM (credit by arrangement) **Grades 11-12**
PREREQUISITE—A high level of interest in a particular area and the ability to be self-directed and to use time wisely, a written proposal on why you want to pursue this program, and an interview to be accepted into the program. Approval by Mr. West is required.

This is a program for students who want to be challenged beyond the typical classroom setting. Mentors will work with you individually to set up a learning experience that will challenge you in a particular area of your interest. You may use resources both in and outside of the school building. You must complete a proposal and be interviewed before being accepted into the Challenge Program. You will attend class as required by teacher. Oral and written presentations will be required at the end of the project. Length of program and number of credits are negotiable with teacher.

DRIVER EDUCATION

Please direct questions regarding driver education to Sandy Chicoine ext. 275.

B850/B851 DRIVER EDUCATION **.5 Credit**

You must be 15 years of age and hold a valid learner's permit BEFORE the class begins. Priority for enrollment is given to students who request the course during the spring course request period according to birth date and seat availability. This class takes up a full block for .5 credit.

The Driver Education program includes at least 30 hours of class instruction and at least 6 hours of hands-on behind-the-wheel instruction. This course is based on a state-approved national curriculum and focuses on the following objectives:

1. To equip you with knowledge you can use to minimize your risk of crashing on the roadways. This includes making healthy choices, developing safe driving habits and skills, and developing pride in your performance.
2. To instill a sense of responsibility for your own safety and the safety of others while driving.
3. To develop the skills necessary to take the Vermont Driver's licensure test.

The more supervised driving teens get with adults, the less likely you are to crash once driving alone. That is why the Department of Motor Vehicles requires you to drive 40 hours with a parent or adult supervisor and six hours with a licensed teacher in Driver Education, before obtaining a driver's license. It is important that parents/guardians get out on the roads with you as much as possible before the course begins. (I recommend a parking lot for starters!) The more driving you get with parents/guardians before the course starts, as well as during the semester, the more easily you are able to learn and perform more complicated maneuvers once in the class.

It is extremely important that you be fully committed to taking Driver Education when signing up for the course. There are many students on the waiting list, and if you are unsure about taking the course, and you transfer out of it at the last minute, you are making it difficult for others to get into the class.

Please call Angie in the VUHS Guidance and School Counseling Office (877-2567 x 3) to give her your permit number at least three weeks before the start of the scheduled semester.

Driver Education manuals are available in the Main Office.



ENGLISH

Vergennes Union High School requires four credits of English for graduation. You must take World Literature as a pre-requisite to the required American Literature. Both of these are strenuous courses designed to develop skills in the critical reading of canonical works, respond to literary and informational text, and to develop a writing process with portfolio evidence. Transitions can be difficult, and the skills needed in the ninth grade demand focused attention. World Literature, then, meets on A or B day for the entire year.

In most cases you will enter Voices in your junior year to develop skills in persuasion and to hone reading and writing skills developed in World Literature and American Literature. Some students, however, may be able to take American Literature and Voices in one academic year, thus opening a path to taking two Advanced Placement courses or other challenging elective options in the junior and senior years.

Starting with the class of 2012, Voices will be a required course. Students in the class of 2012 may be exempted by the administration from taking Voices if their goal is to begin AP English classes in 11th grade.

Please direct questions regarding English selections to Mr. Steen ext. 233 and the English teachers.

World Literature and American Literature are pre-requisites for all other courses in the English Department.

E-009 WORLD LITERATURE AND COMPOSITION year-long A or B-day 1 Credit Grade 9

Required for Freshmen and for graduation

This course examines literature from a variety of cultures to complement the ninth grade social studies course, World Cultures. You will develop an understanding of writing as a process. Instruction focuses on clarity, thematic development, and narrative technique, as well as on sentence crafting and the parts of speech.

E-010 AMERICAN LITERATURE AND COMPOSITION 1 Credit Grade 10

Required for Sophomores and for graduation

As readers and writers, it is crucial to recognize the idea of our cultural place. American Literature explores the foundation of the American experience through the study of this “sense of place.” The primary focus is on written responses to literary and informational texts using prewriting, outlining, drafting, revising, proofreading, and presenting texts as part of a literate community.

E-011 VOICES IN LITERATURE 1 Credit Grade 11-12

Beginning with the class of 2012 Voices will be a required course. Students in the class of 2012 may be exempted by the administration from taking Voices if their goal is to begin AP English classes in 11th grade.

This analysis course offers textual experiences through an extensive study of literacy “voice.” Recursive units require you to make meaning from a variety of texts, fiction and non-fiction, written and visual, and to create texts of your own including dramatic performances, film storyboards, analytical essays, and various creative writing pieces. This course includes the study of novels, plays, poetry, short stories, essays, drama, film, and television.

E-030 SKILLS IN COMMUNICATION 1 Credit Grades 11-12

Skills in Communication prepares you for further schooling, careers, and independent living. You will also explore a variety of possible jobs which might interest you. The financial and social responsibilities of independent adults will be explained. The course includes practical application, and focuses on reading and writing. Recommended for career-bound seniors and students who need additional work in basic skills and communication.

E-031 BRITISH LITERATURE 1 Credit Grades 11-12

This course examines the timeless themes of British Literature. Concepts like good versus evil, carpe diem, love, the female voice, imperialism, corruption of power, and beauty and the sublime are discussed with respect to literature, comparative analysis, and philosophy.

E-040 VISUAL LITERACY **A or B-day** **.5 Credit** **Grades 11-12**

Visual Literacy is an introduction to the nuances of film narrative and technique. You will acquire an understanding of the terminology and philosophy of visual text through the critical analysis of film, television, still print, and IT sources. The course will emphasize the analytical process through writing and storyboarding, as well as offer you the chance to create various visual texts.

E-041 COLLEGE COMPOSITION **A or B-day** **.5 Credit** **Grades 11-12**

You will focus on several kinds of analytical writing such as: description, process analysis, comparison, contrast, classification, cause and effect, argumentation, and proof by example. You will also write and polish college application essays, develop a portfolio of expository writing, and learn and apply techniques of analysis and critique.

E-029 HUMANITIES **1 Credit (counts as English or social studies credit)** **Grades 11-12**

Teacher permission required.

This interdisciplinary course empowers you with knowledge of humankind's quest for truth, beauty, and excellence. You explore diverse cultures throughout history by examining art, music, philosophy, and literature. It is the instructors' hope that you will develop an enriched understanding of human pathways as a means to understanding yourself.

E049A&B ADVANCED PLACEMENT LITERATURE AND COMPOSITION

1st sem., 1 credit; 2nd sem., .5 credit **Teacher permission required** **Grade 12**

PREREQUISITE: Successful completion of summer reading assignments and acceptable performance on the assessment of the summer reading assignments.

AP Literature and Composition is our highest-level English course. It offers you the opportunity to engage in rigorous literary analysis and focused expository writing in preparation for the College Board's AP exam in May. The central text of the course is Perrine and Arp's Literature: Structure, Sound and Sense. The course will focus on analytic composition in relation to major literary works from the 16th century to the present day including poetry, drama, novels, essays, and short stories. This course is writing and reading intensive and is recommended for students who are highly motivated and organized.



HEALTH AND PHYSICAL EDUCATION

The goal of the VUHS Physical Education Department is to help you develop the desire, the motivation, and the skills for physical activity throughout your life. Physical Education is an integral part of your educational experience. ur curriculum is designed to help you develop healthy habits, a wide array of fitness attitudes and skills, decision making skills, confidence, positive self-esteem, and a healthy ability to create and maintain positive relationships. You will learn these skills, habits, and attitudes in a positive, safe environment. Our courses will give you multiple opportunities to explore and understand the five components of fitness: muscular strength, muscular endurance, flexibility, cardiorespiratory endurance, and body composition through the use of the Fitnessgram battery of tests. You will use various technologies, such as heart rate monitors, computers, and the TRIFIT 620, to assess your health-related fitness levels.

One and one-half credits (1.5) in physical education are required for graduation. Credit may be earned in two ways: a) coursework or b) participation in an approved VUHS athletic activity. Credit for athletic activity is earned at a rate of .25 credit per season, up to .5 credit per sport with a grade of pass. Only increments of .5 credit will be recognized. Limit of 1 credit for approved athletic activity. Please direct questions regarding Health and/or Physical Education to Mr. Cook, ext. 226 and the Physical Education teachers.

PH-718 HEALTH	A or B-day	.5 Credit	Grades 9-10
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This course is recommended for Freshman or Sophomore years and required for graduation

This class will focus on personal wellness by looking at the connections among the mental, social, and physical aspects of your well being. The class will cover topics including, but not limited to, personal fitness, mental health/mental illness, nutrition, substance abuse prevention, and sexuality. The class will give you a chance to explore your level of personal wellness through projects, guest speakers, and small and large group discussions.

PE709 ADVENTURE PHYSICAL EDUCATION	A or B-day	.5 Credit	Grade 9
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Recommended for all Freshmen

In this course you will challenge yourself physically and mentally in an atmosphere that is safe, supportive, and fun. The program is designed to build confidence, self-esteem, trust, cooperation, and communication skills. Activities may include, but are not limited to, noncompetitive games, group problem solving initiatives, trust activities, knot tying, belaying techniques, as well as low and high ropes challenges.

PH700 PHYSICAL EDUCATION	A or B-day	.5 Credit	Grades 10-12
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Physical Education offers a mixture of traditional team sports and lifetime leisure activities. You will demonstrate knowledge of the rules and the skills required to play various sports. Sportsmanship, team play, and fitness are incorporated into each athletic unit. Our goal is for you to learn the fundamental skills needed for enjoyment and active participation in lifetime activities.

PH720 PERSONAL FITNESS I	A or B-day	.5 Credit	Grades 10-12
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Personal Fitness will introduce you to the benefits of lifelong fitness. Personal Fitness will teach you how to assess your fitness levels, write a personal fitness plan, and monitor and adjust the plan accordingly. You will learn proper technique and safety concerns of all of the equipment in the weight room. You will be introduced to basic anatomy, the components of fitness and exercise, goal setting, and circuit training. The class will also examine the recent trends in personal fitness. The expected outcome of Personal Fitness is for you to participate in and establish lifetime health and fitness goals.

PH721 PERSONAL FITNESS II	A or B-day	.5 Credit	Grades 10-12
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PREREQUISITE-Personal Fitness I

The goal of Personal Fitness II is for you to take a larger role in your lifelong fitness. Personal Fitness II will allow you to individualize your time in the class. This will be done through fitness testing and writing a detailed fitness plan that will include your goals, exercises, and a timetable for completion. You will meet with the instructor periodically to discuss your individual fitness plan and progress toward goals. You will review proper technique and safety concerns of all the equipment in the weight room. The expected outcome of Personal Fitness is for you to participate in and establish lifetime health and fitness goals.

PERFORMING ARTS

Personal fulfillment and satisfaction can come to students when you make music with your peers in the band or choir. Your study of music will provide you with a life-long skill and an appreciation of music which you may use as a performer or as a patron of the arts. The following courses carry fine arts credit.

Please direct all questions regarding Band to Mrs. O'Daniel ext. 218, Choir to Mrs. Jordan ext. 217, and Theatre Arts to Mr. Steen ext. 233.

All music courses require a teacher signature on your Course Request Sheet

FA802A&B SYMPHONIC BAND (Offered daily during callback) .5 Credit/per semester Grades 9-12

PREREQUISITE - Minimum of two years of band experience or permission of director.

You will be exposed to a wide variety of musical styles through your band music. Performances, which are an important aspect of the course, will include seasonal concerts and parades in the evenings and on weekends. Performance is one of the most important factors of the band program, and you are required to attend all concerts and parades in order to pass the course. Additional evening rehearsals may be scheduled and attendance will be required. It is preferred that you register for this course for the year.

FA-809 INSTRUMENTAL CLASS A or B-day .5 Credit Grades 9-12

This course is designed for students who desire to improve their instrumental music skills. You will study solos, including those at the District, All State, and New England levels. You will compose, arrange, and transpose music to perform with instrumentalists. You will also have the opportunity to learn secondary instruments in the class. Those wishing to study piano should register for the piano class rather than this class which is focused on band instruments.

FA808 WORLD DRUMMING A or B-day .5 Credit Grades 9-12

The purpose of this class is to provide an introduction to world music for students in grades 9-12. Class size will be limited to the number of percussion instruments in the classroom—no more than 15. You will learn fundamentals of drumming and singing music of several cultures. This is a performance class with the ensemble performing at local schools, VUHS concerts or recitals. This course provides a music course for students who may not be interested in performing in a more traditional ensemble. It will address music of other cultures with music which is not part of the traditional band and choir repertoire.

FA813 COMMODORE JAZZ BAND .5 Credit /year long Grades 9-12 BY AUDITION ONLY

NOTE—This course is not offered during the regular school day.

The purpose of this course is to study and perform jazz music. You audition for acceptance into this group. You rehearse a minimum of twice weekly at 7 a.m. before school with some evening and/or weekend rehearsals and have additional performance requirements in addition to VUHS concerts. Ideally you are also in the Symphonic Band.

FA80A&B BAND/CHOIR (Offered during call back) .5 Credit/per semester Grades 9-12

Band/Choir is available for students who wish to participate in both the Symphonic Band and Concert Choir. You will be required to attend all additional rehearsals and performances for both ensembles. See each class description for more details.

FA805A&B CONCERT CHOIR (Offered during call back) .5 Credit/per semester Grades 9-12

This course is designed for students who enjoy singing. No prior experience is necessary. You will be introduced to the elements of good vocal production, sight singing, music theory, and the interpretation of a wide variety of choral repertoire including sacred and seasonal music. Performance is one of the most important factors of the choral program, and you are required to attend all concerts in order to pass the course. Additional evening rehearsals may be scheduled and attendance will be required.



FA-801 VOICE CLASS **A or B-day** **.5 Credit** **Grades 10-12**

PREREQUISITE - One year Concert Choir or teacher permission.

This course is designed for students who wish to improve their vocal technique. You will explore aspects of good posture, diction, breathing, and tone. You will study solo repertoire and prepare for District, All State, and/or New England auditions. You will also study sight singing.

FA811 PIANO CLASS I **A or B-day** **.5 Credit** **Grades 9-12**

This class is designed to provide introductory piano lessons to students in a group setting. No prior experience is needed. You will learn fundamentals of piano technique and music theory through individual and group instruction.

FA814 PIANO CLASS II **A or B-day** **.5 Credit** **Grades 9-12**

PREREQUISITE: Piano Class I

This class is a continuation of Piano Class I. You will further refine your piano technique and will continue to study music theory.

FA-804 MUSIC THEORY/HISTORY II **1 Credit** **Grades 10-12**

PREREQUISITE – Music Theory I

This course explores the basics of music theory including major, minor, and chromatic scales, intervals, triads, composition, transposition, and chord analysis. You will also explore ear training including rhythmic and melodic dictation, and sight singing. The class will delve into music history from the medieval, renaissance, baroque and classical periods. You will also have the opportunity to compose, utilize piano keyboards, and make use of the Finale note writing software.

FA812 COMMODORE SINGERS **.5 Credit (year long)** **Grades 9-12 BY AUDITION ONLY**

NOTE - This course is not offered during the regular school day.

The purpose of this course is to study and perform more advanced music designed to be sung by a small ensemble. You audition for this group of 12-20 members. You rehearse a minimum of twice weekly at 7 a.m. before school with some evening and/or weekend rehearsals and have additional performance requirements in addition to VUHS concerts. Ideally you are also in the Concert Choir.

FA-830 THEATRE ARTS **1 Credit** **Grades 9-12**

This course will focus on drama as a unique form of creative expression. A workshop approach will be used to increase your comfort with playwriting and acting. You will work on your acting through established plays, acting games, and your own writing.

SCIENCE

Traditionally, science teaching has been concerned only with matters of fact and how new knowledge is discovered and validated. Much of what we do fits this traditional mold, but there is a difference between acquiring knowledge and being able to use it. Our goal is to promote scientific literacy. That literacy is viewed in two parts. One is acquiring the intellectual skills and knowledge of science and technology, and the second is using that knowledge in situations that require an understanding of science and technology. Our tomorrow is a highly technological society. You will need to know the laws and facts that make up science and technology, AND you will need to understand the influence of science on social, political, and economic processes as well.

Please direct all questions regarding science selections to Ms. Thompson and science teachers, at ext.222.

You must take three required core courses to graduate – Universe, Earth and the Environment; The Living World; and Space, Time and Matter, they are prerequisites for the following advanced courses: Chemistry, Biology, Physics, Anatomy & Physiology, Environmental Geoscience, Biotechnology, AP Biology. As described below, each of these courses will focus on different science content. However, in a number of important respects, the three courses are similar. They all consist of units designed to enable you to achieve specific science process standards involving inquiry, experimentation, and theory. These courses are based on the Vermont Grade Level Expectations for Science. They will all offer you feedback on your progress using a standards-based reporting system.

SC-303 UNIVERSE, EARTH, AND ENVIRONMENT 1 Credit Grade 9

This natural science laboratory core course will examine our surroundings on a number of different levels. It will give you the opportunity to examine the earth, the solar system, and the universe in terms of the systems that characterize them, the forces that affect and shape them over time, and the theories and practices, past and present, that currently explain the nature of change. In the process, you will examine concepts involving natural resources, geologic change, and origins of the universe.

SC-304 THE LIVING WORLD 1 Credit Grades 9-10

The Living World is a standards-based biological science laboratory core course that will examine a number of fundamental principles of biology. Broad topic areas include similarities and differences among organisms, evolution, classification, and the interdependence of systems that sustain life. You will also further your study of human body systems.

SC-302 SPACE, TIME, AND MATTER 1 Credit Grades 9-10

Recommended for students who have completed Integrated Math I or I-YA&B.

This physical science laboratory core course is designed to cover such diverse ideas as energy, electricity and magnetism, force and motion, and the structure and behavior of matter. The content will be presented in such a way as to identify and reinforce the relationship and interdependence of the above concepts.

SC-320 BIOLOGY 1 Credit Grades 10-12

This laboratory course is an introduction to the concepts, processes, and experimental methods of biological science. The areas of study within the course are biochemistry, cell structure and function, genetics, and microbiology. You will be expected to perform a variety of tasks with a level of proficiency that exceeds what is expected in an entry-level course of study. Lab work, group work, and projects will be an integral part of this course along with class lectures and discussions.

SC-634 BIOTECHNOLOGY 1 Credit Grades 10-12

Biotechnology is an advanced biology laboratory course. Biotechnology is the use of living cells or parts of cells to make new products and/or solve problems. This relatively new and fast growing science can be applied to plant and animal agriculture, food processing, the environment, health care, the pharmaceutical industry, and many other areas too numerous to list. Instruction will include activities in DNA transformation, tissue culture, cloning, protein purification, electrophoresis of DNA, and much more. A few of the already numerous examples of how biotechnology has helped benefit us is the development of hormones that are exactly like the ones we produce; crops that tolerate disease, cold, and pests; crops with higher nutritional value and yield; and the development of naturally occurring pesticides and herbicides. Students interested in being on the “cutting edge” of investigating and discovering new procedures for solving problems should consider the field of biotechnology.

SC-313 CHEMISTRY **1 Credit** **Grades 10-12**

PREREQUISITE - Successful completion of, or concurrent enrollment in, Integrated Math II.

Chemistry is a laboratory science course designed for those who need a solid background in the fundamentals of chemistry either for the standard college introductory course or the chemistry required in health fields including medicine, nursing, or medical technology. The first half of the course begins with basic concepts concerning the classification of matter, atomic structure, the relationship between atoms, and the observable properties of matter. The second half of the course will investigate increasingly specific aspects of chemical behavior and chemical reactions. Laboratory work and group work will be integral parts of the course.

SC-312 PHYSICS **1 Credit** **Grades 11-12**

PREREQUISITE - Integrated Math II or permission from instructor

Physics is a lab-based science elective that provides a hands-on approach to a variety of topics such as: motion, energy, waves, electricity and magnetism, and thermodynamics. Topics are chosen by the students and instructor to focus on what has not been previously learned in Space, Time, and Matter as well as on student interest. Projects are student driven and are used to illustrate learning of a specific unit or topic. All work is designed to help you understand the fascinating world around you.

SC-311 ANATOMY AND PHYSIOLOGY **1 Credit** **Grades 11-12**

PREREQUISITE -Biology or permission of teacher.

This laboratory science course prepares you for future studies in biology-related fields such as nutrition, physical education, physical therapy, medicine, etc. This course provides an in-depth study of the chemical and physical processes of the human body at various levels. The course utilizes a college-level text, and you are expected to be able to read and synthesize information at that level. A variety of learning and teaching strategies are employed, and a high level of student commitment is necessary to successfully complete the objectives of this course.

SC316 ENVIRONMENTAL GEOSCIENCE **1 Credit** **Grades 10-12**

This course provides you with the opportunity to explore the important systems and processes that shape our planet and influence our lives and the environment. In-depth study of the atmosphere, hydrosphere, and lithosphere and their dynamics are some points of focus. Studies of how natural cycles, as well as human activities, alter the planet make you aware of the importance of environmental stewardship. Stewardship may be explored through social, economic, and political perspectives. You will be required to complete a comprehensive study of a topic related to the course objectives as a final project.

SC318A&B ADVANCED PLACEMENT BIOLOGY **1st sem., 1 credit; 2nd sem., .5 credit** **Grades 11-12**

PREREQUISITE - Biology and Chemistry or teacher permission.

Summer assignments required.

Advanced Placement Biology is a college-level laboratory biology course taught in high school. The course will cover a very wide range of topics in great detail and thus will make demands of even the most dedicated students. In addition to reading a college-level text, you will be asked to write several short papers summarizing and evaluating some aspect of current biological research and do numerous laboratory experiments, including your own student-designed investigations.

SC-620 SOIL SCIENCE **A or B-day** **.5 Credit** **Grades 9-12**

Soil is needed for all life, and the way we manage our soils could determine our prosperity. You will learn how to work with soil limitations for both agriculture and development in ways that will best conserve our environment. Studies will involve numerous trips into the field observing soil profiles, discovering the physical characteristics of soils, testing soils for nutrients, and finding the interactions between soils, elements, and microorganisms. This is an excellent course for students pursuing agriculture, horticulture, forestry, construction, civil engineering, and numerous other fields that work with our soils. **Parents signing for their student's enrollment in this course are giving permission for their student to participate in the required field trips.**

SC-621 PLANT SCIENCE **A or B-day** **.5 Credit** **Grades 9-12**

PREREQUISITE – Soil Science is recommended.

Growing plants is important for maintaining a bountiful source of food and fiber. In Plant Science, you will learn how to grow plants through greenhouse activities, trips, and class discussions. Studies also will include plant anatomy, functions of plant parts, and use of plants through floral arrangement. Plant Science would be helpful to students pursuing most careers in agriculture or interested in working with plants around the home. **Parents signing for their student's enrollment in this course are giving permission for their student to participate in the required field trips.**

SC628 ANIMAL SCIENCE **1 Credit** **Grades 10-12**

PREREQUISITE - Plant Science and Soil Science recommended

Animal Science offers instruction in systems, feeding, selection, care, and handling of animals. Taking Plant Science and Soil Science classes first would be beneficial for students for the nutrition and environmental needs of animals' part of this course. Animal Science offers knowledge in the following standards areas: investigation; theory; history of science; roles and responsibilities; arithmetic, number, and operation concepts; organisms, evolution, and interdependence; theories, systems, and forces; the mammalian body; and natural resources. There also may be the opportunity for you to work directly with animals. Numerous field trips will be required, so you will see firsthand how animals are raised and handled. **Parents signing for their student's enrollment in this course are giving permission for their student to participate in the required field trips.**

SC-623 SMALL ENGINES **A or B-day** **.5 Credit** **Grades 9-12**

Small Engines is a basic course that could be beneficial to anyone who uses engines for any purpose, such as driving a car. You will learn basic engine maintenance, operation, repair, and rebuilding skills. Activities will include taking engines apart, discovering how they work, finding problems, measuring, putting engines together, and making them run.

SC-622 WELDING & ELECTRICITY **A or B-day** **.5 Credit** **Grades 9-12**

Cutting and welding are used for the fabrication of most metal equipment. In this course, you will learn the basics of electric arc, MIG, gas welding, and gas cutting, as well as electrical wiring. These skills are used by those who work in the automotive field, equipment fabrication, construction, and even in the field of fine arts.

SC-624 COOKING WITH SCIENCE **A or B-day** **.5 Credit** **Grades 9-12**

Instructor permission—see Mr. Powers

Cooking with Science will provide you with the opportunity to explore science concepts that are associated with the preparation of food. You will be responsible for scientific knowledge and inquiry that are contained within various Vermont Science Grade Level Expectations. The lab experiences that are associated with those concepts will be performed by preparing an array of food dishes on a regular basis. You will learn basic cooking techniques and make breads, soups, entrees, and a variety of ethnic dishes. Meal planning and effective food shopping techniques are included as well. You must be active and focused to succeed in this course.



WORLD LANGUAGES

The study of World Languages teaches the skills necessary to communicate in another language through speaking, listening, reading, and writing. Communication in another language promotes cross-cultural understanding and broadens your social, travel, educational, and professional opportunities, and expands your ability to participate in our global community. Students in World Languages classes will use a variety of technology including, but not limited to, PowerPoint, Audacity, Podcasts, films and online radio broadcasts and newspapers, as well as Internet sites to learn, present information, and enhance the development of the ability to understand the languages in various contexts. **Please direct all questions regarding the World Language program to Mr. DeBlois ext. 244, French; Mrs. Kepes ext. 243, German; or Ms. Kirkaldy ext. 270, Spanish.**

All languages shall be taken in sequential order.

FRENCH

B401 FRENCH I 1 Credit Grades 9-11

You will explore the four language learning skills of listening, speaking, writing, and reading. You will study present tense, regular and irregular verbs, adjectives, pronouns, prepositions, and other facets of grammar. You will work in small groups and with partners to encourage conversational skills. The study of geography, cultural exploration, and historical connections also support language acquisition.

B402 FRENCH II 1 Credit Grade 10-12

You continue to learn whole expressions improving upon the four language learning skills. The grammar focuses on more verbs in the present, past, and imperfect tenses, as well as introducing a variety of object pronouns. You will study other Francophone countries. Writing and performing skits encourages your oral skills. You complete weekly writing assignments in a journal.

B403 FRENCH III 1 Credit Grade 10-12

The year begins with a review of grammar, vocabulary, and culture. You are encouraged to speak French in class as much as possible. You not only focus on the present, past, and imperfect tenses, but learn the subjunctive mood, the future tense, and the conditional mood. You continue a study of other Francophone countries, talk about current events, and perform skits using assorted vocabulary and grammar. You begin to access literature and study content and grammar understanding through dictation and composition. You complete weekly writing assignments.

B404 FRENCH IV 1 Credit Grade 10-12

You continue speaking as much French as possible. Working from a text entitled *Tout Ensemble*, you read about a variety of current events including the breakdown of the family in France, city living, and other topics. Grammar review occurs as necessary. You will practice for and take pass oral questioning quizzes and tests and study the uses of the past and imperfect tenses along with other more complicated grammatical structures. You will compose essays and write and perform skits that allow you to express yourself creatively in the French language. You study the use of idiom and begin to converse about abstract situations in order to build oral proficiency.

B400A&B ADVANCED PLACEMENT FRENCH LANGUAGE 1.5 Credit Grade 11-12

This course focuses on mastery of the following communicative language skills: listening, speaking, reading, and writing. Course goals include development of the ability to understand spoken French in various contexts, to learn French vocabulary sufficient for reading newspaper and magazine articles, and to read literary texts and other non-technical writings without dependence on a dictionary. To be successful in this course you should have a good command of French grammar and vocabulary and be competent in listening, reading, speaking, and writing. This course is structured to prepare you to take the AP French exam in May.

GERMAN

B406 GERMAN I **1 Credit** **Grades 9-11**

In this course, you will be introduced to the basic structures and vocabulary of the German language. You will begin to understand and communicate using spoken and written German in a variety of contexts. In addition, you will learn about the cultures of German-speaking countries. You will learn through written and oral exercises, songs, games and skits.

B407 GERMAN II **1 Credit** **Grades 10-12**

You continue to learn basic structures and vocabulary while solidifying the basic structures and vocabulary you learned in German I. You will learn about everyday life in Germany. You will become more proficient at expressing yourself in the past tense, and using more complicated structures. You will learn how to use conjunctions, adjectives, prepositions, and reflexive pronouns in your writing and speaking.

B408 GERMAN III **1 Credit** **Grades 10-12**

You will review the basic structures and vocabulary you learned in the first two years. At this point you should be comfortable using these basic structures and vocabulary in the course of regular conversations. You will learn about relative clauses, narrative past, and demonstrative pronouns. You will read a variety of fairy tales, listen to short stories, and watch a TV series that will expand your knowledge of the language and culture of Germany. Resources include the audio program “Keine Panik,” the short novel “Oktoberfest,” the video series “Extra,” as well as fairy tales by the Brothers Grimm and other authors.

B409 GERMAN IV **1 Credit** **Grades 10-12**

You will read short stories as well as longer novels in German. You will study the culture and history of German speaking countries with emphasis on the history of East and West Germany between 1945 and 1990. You learn more advanced structures such as the passive voice, the past perfect tense, and the subjunctive mood. You will write and speak more, more precisely, and with a greater vocabulary.

B410 GERMAN V **1 Credit** **Grades 11-12**

You will strengthen your speaking, writing and listening skills through multiple readings, movies, conversations, and writings.



SPANISH

B411 SPANISH I **1 Credit** **Grades 9-12**

You will begin to develop your mastery of Spanish grammar and vocabulary. You will develop basic conversational skills and be able to communicate about basic daily functions in the immediate past, present, and near future. You will also begin to develop a cultural awareness of the customs and the use of idiom in the many countries of the Hispanic World.

B413 SPANISH II **1 Credit** **Grades 10-12**

You will continue to develop your mastery of the grammar and vocabulary begun the prior year. You will discuss current topics of interest, give and seek directions, use a variety of verb tenses, express wishes and preferences, and discuss the future. You will also begin to develop a cultural awareness of the customs and the use of idiom in the many countries of the Hispanic World. Cultural studies will include a variety of Hispanic countries as well as youth-oriented themes such as sports, travel, music, and leisure activities.

B415 SPANISH III **1 Credit** **Grades 10-12**

You continue to develop your mastery of Spanish grammar and vocabulary. You are encouraged to speak as much Spanish in class as possible. By practicing the skills of listening and speaking, you will focus on improving conversational skills. In both written and oral work, you will learn to express opinions, give and seek directions, and develop skills in mastering the sequencing of tenses. You will also continue developing your cultural awareness of the customs and the use of idiom in the many countries of the Hispanic World.

B-416 SPANISH IV **1 Credit** **Grades 10-12**

You focus on the study of the culture, people, art, music, history, sports, performing arts, architecture, literature, films, and foods of Spain. You will be expected to push yourself to speak as much Spanish in class as you possibly can. We will review Spanish grammar and develop your mastery of its practical use in daily life situations. You will also continue to polish your listening, writing, and speaking skills.

B-417 SPANISH V **1 Credit** **Grades 11-12**

This course focuses on mastery of listening, speaking, reading, and writing skills through a variety of media including, but not limited to, movies, music, Podcasts, and the Internet. The class reads and responds to short stories, excerpts from movies, plays and novels, poems, songs, and articles from magazines and newspapers. You will be expected to speak Spanish in class. There is a focus on current events in Spain and Latin America. Strong emphasis is placed on strengthening your reading and writing skills in addition to your speaking and listening skills.



THE WALDEN PROJECT

The Walden Project is a unique opportunity for both college and non-college bound students who are interested in a humanities intensive, environmentally based education that is both challenging and personalized. The program is inspired by the writings of the great American philosopher Henry David Thoreau. Thoreau went into the woods to “live deliberately.” During his sojourn there, he meditated upon his life and the relationship between himself and his society. While he did not spend his entire life in the woods, this period was important for him in articulating his own writing and philosophy, which has inspired millions of others, including Mahatma Gandhi, Leo Tolstoy, and Martin Luther King Jr. It also furthered his own attempts to reconcile the notions of self-sufficiency and social responsibility.

We ask you to look closely at the present day world and to discover how you can be contributors from a developed sense of social, environmental, and personal awareness. To help you understand a community perspective, a broad cross-section of scientists, writers, artists, business people, trades people, and other community members supplement the curriculum as guest speakers. Applications are available in the office of Student Support Services.

You must file both the Walden application and Vergennes Union High School course request sheet.

Students take the following required courses in the Walden Project (Credit areas noted)

CONTEMPORARY AND MODERN LITERATURE – American Lit. Concentration 1 Credit Required for Grade 10

This course mirrors the Modern and Contemporary Literature elective course listed below, with an emphasis on American writers. The course, which is required of all sophomores, will introduce students to a range of writers from the Nineteenth and Twentieth Centuries in genres including drama, poetry, essays, and novels.

CONTEMPORARY AND MODERN LITERATURE (English) 1 Credit

This elective class is designed to give you an understanding of each piece of literature as its own artistic statement, as well as its relationship to larger cultural currents of the late Nineteenth and Twentieth Century. Novels studied will include Dostoevsky’s Crime and Punishment, Albert Camus’ The Plague, Maxine Hong Kingston’s The Woman Warrior, Alice Walker’s The Color Purple, Aldous Huxley’s Brave New World, Daniel Quinn’s Ishmael, and Russell Banks’ Rule of the Bone. Other genres, including plays, short stories, and essays, will be read by authors which include W.B. Yeats, James Joyce, H.D. Wells, Wilfred Owen, Leo Tolstoy, E.E. Cummings, Walt Whitman, Alan Ginsberg, Stevie Smith, Langston Hughes, Elizabeth Bishop, Gary Snyder, Henrik Ibsen, Dianne DiPrima, Edward Albee, Eugene O’Neill, Countee Cullen, Marianne Moore, Tom Stoppard, Walter Benjamin, Luigi Pirandello, T.S. Eliot, Margaret Atwood, Lawrence Ferlinghetti, C.S. Lewis, John Paul Sarte, and others. You are encouraged to create your own critical and emotional responses to these texts and share them. You will find an author in which you are particularly interested and do in an in-depth reading project which relates to your subject. In conjunction with our study of these works, Shakespeare’s Hamlet and The Tempest may be studied to give resonance to the many literary allusions and to foster a sense of the timeless component of enduring works of literature.

ENVIRONMENTAL SCIENCE I (Science) 1 Credit

This course may be used to fulfill requirements for Space, Time, Matter.

This course is designed to help you understand your local eco-system by immersing yourself in it. A large focus of the class will be dedicated to creating an awareness of the various plants, birds, mammals, amphibians, and reptiles that live within the Champlain Basin. Although the course outcomes will be the same from year to year, the curriculum will fluctuate a great deal taking advantage of current events, local experts, and seasonal patterns that present themselves. Classes may include discussions about Lake Champlain’s water quality and current problems with algal blooms, to winter tracking of resident animals. You spend a great deal of time outside in all weather conditions. A wilderness first aid course will be offered in the spring.

ENVIRONMENTAL SCIENCE II (Science) 1 Credit

This course is designed for second year Walden students who have successfully completed Environmental Science I. It is designed to build a greater depth of understanding on one of the topics presented during the Environmental Science I course. You work with teachers to develop individual research projects or advanced field studies which may include in-depth taxonomy investigations or more research-based projects such as climate change and the effects upon Lake Champlain.

FOUNDATIONS IN SOCIAL SYSTEMS THEORY (Social Studies) 1 Credit

This course is an amalgam of political science, sociology, psychology, anthropology, history, philosophy, and current social issues. As you gather around the fire each day, you will be asked to discuss the current happenings of the world. Invoking a polemic style, Walden instructors will ask you to frame your understanding of contemporary social issues by seeing how they intersect with your culture, your society, and your own burgeoning sense of self. You will be continually pushed to understand the interplay between and among local, state, national, and international initiatives. You will be asked to look at how institutions and government impact the individual, and to develop an understanding about how the rights and roles of members of society have changed over time. For example, a conversation about political tensions in the Middle East might include a discussion about the historical tensions between the Israelis and their Arab neighbors. This in turn might lead to a conversation about the way that Muslims are portrayed in the media, which might in turn lead to a conversation about how religion is regarded within our own society. It is important to note that these conversations are designed to get you to ask questions about the world around you, without indoctrinating you into a particular belief system. Liberal and conservative perspectives alike will be challenged, so that you are forced to articulate your own perspective and value system in an intelligent fashion, and so you can understand how you fit within the political and social discourse of your community.

FOUNDATIONS IN SOCIAL AND SYSTEMS THEORY - U.S. History concentration 1 Credit

This course will fulfill the U.S. History graduation requirement.

This course contains all the requirements of the “Foundations” course with a particular emphasis on how social and political movements have impacted current United States policies. You are required to do two major research papers on an historical event and trace its impact to the present. You also will be asked to look at United States history from different sources and documents to understand issues of objectivity and subjectivity as they relate to the narrative of history.

HEALTH & PHYSICAL EDUCATION (Health).5 Credit / (Phys Ed).5 Credit

The outdoor component of the program allows you to regularly hike, ski, snowshoe, etc. Additionally, you will be encouraged to be physically active and to look at the relationship between your physical habits and your overall health. Regular discussions about choices with regards to eating, exercise, and substance abuse will give you a road map for creating a long-term commitment to physical health. Meal planning and nutrition are addressed through weekly community lunches.

PROFESSIONAL INTERNSHIPS/APPRENTICESHIPS (Elective) 1 Credit

You are required to have a professional internship one day a week. This internship gives you a direct experiential understanding of the world and also allows you to develop real job skills that you will be able to apply toward future employment, if you so choose. Past apprenticeships have included work with organic gardens, trades and businesses, elementary education, writing, artists, and non-profit organizations.

WEEKLY SEMINAR—NARRATIVE, CREATIVE, AND REFLECTIVE WRITING (English) 1 Credit

You will create narrative, creative, and reflective pieces that draw upon the diverse social, economic, and cultural elements of Burlington, Vermont. For one week’s writing assignment, you might be asked to observe someone’s walk. You will be asked to look closely at how the person moves and then try to make some creative inferential leaps about that person. You will then use this person as a model for a character study where you create a fictitious narrative account about who this person is. Another week, you might be asked to write a narrative reflection of your own perceptions about how the promise of American Democracy is evident as you observe a public protest or tour a homeless shelter for runaway youth. You would then formulate this into a series of reflective essays, while relating this to the philosophy of Thoreau. As you share your work with your peers, and through constructive group feedback, you develop an understanding of the revision process while participating in a literate community. You will gain a keen understanding of how the written/spoken word relates to your understanding and perception of the world.

The following are elective courses in the Walden Project (Credit Areas Noted)

ECOLOGY (Science) 1 Credit

This course may be used to fulfill requirements for The Living World, a core science course.

Through exploration, field science techniques, and hands-on learning initiatives, you investigate the layers that make up our Vermont landscape. Starting with local geological history and moving up through the soils, plants, animals, and atmosphere, you gain a broad understanding of our local environment and how human influence affects this landscape. In addition, you will learn to apply the basic principles of conservation science through authentic land-based projects. In the past, projects have

focused on creating wildlife corridors, improving erosion control of river systems, removal of invasive species from wetlands, and restoration of clay plain forest. In addition to group projects, you are expected to develop your own authentic monitoring or research project to broaden your skills and knowledge as field biologists. The last part of the course takes us away from the land and into the greater Vermont community. We examine a series of “green” solutions that are in place in response to various environmental issues. In the past we have focused on green building design and alternative energy strategies that have been working effectively in our community.

ADVANCED TOPICS IN ECOLOGY

(Science) 1 Credit

This course is designed for second year Walden students who have successfully completed the Ecology course and want to pursue the field in more depth. You work with teachers to develop individual research projects or advanced field studies focusing on the 230-acre classroom in Monkton. Previous projects have included various topics such as an investigation into duck habitat and the creation of viable nesting structures, environmental impact assessments of a wetland trail system, and a series of transects and maps documenting forest types.

MATHEMATICS

(Math) 1 Credit

There are essentially four ways that you might meet your math needs through Walden. It should be noted, however, that the strength of the Walden Project lies in its delivery of the humanities and natural sciences. If you want an intensive higher-level math experience you are encouraged to take courses in the mainstream VUHS setting. The three math courses that are taught within Walden are Integrated Math I, Informal Geometry, and Math Applications. However, all three courses cannot be taught simultaneously, and therefore, the courses for the year will depend upon the needs of the student community. If the above methods of obtaining required math credits are not adequate, you may take a math class through Community College of Vermont. (See Community College of Vermont class in Burlington, below.)

WORLD PHILOSOPHY, RELIGIONS, AND PSYCHOLOGY

(Social Studies) 1 Credit

This course is a survey of some of the major questions that have intrigued humanity over time. By focusing on the thoughts of thinkers in diverse religious and social traditions, you will continually engage in discourse surrounding questions of being, truth, subjectivity, objectivity, epistemology, ethics, the mind, and other related topics.

Texts, thinkers, and ideas considered will be excerpted from the following: The Bible, Sartre, Camus, Heidegger, Freud, Chomsky, Dewey, Plato, Mencius, Aristotle, Lao-Tzu, Carl Jung, Ken Wilber, Kashmir Shavism, Walter Benjamin, Vedanta, Zen, John Searle, Jerome Bruner, Karl Marx, Reinhold Niebuhr, Chang Tzu, Emerson, and of course, Thoreau. As with the Foundations course, the emphasis in this course will be exposure to ideas rather than adoption of a particular point of view. Whenever possible, local “experts” in the community will be invited to participate in these conversations. It is worth noting that while technically part of the physics discipline, some attention will be paid to the basic questions posed in quantum physics, as they raise an important set of assumptions about humans and their relationship with the physical world.

Second year Walden students wishing to further deepen and personalize their core and elective requirements may engage in an individualized study in conjunction with the existing classes. Along with Walden staff, you will design a serious and well-articulated study plan that includes clearly defined goals and outcomes. These include the following: Advanced Topics in Social Sciences, Advanced Topics in Humanities, Advanced Topics in Literary Studies

COMMUNITY COLLEGE OF VERMONT CLASS IN BURLINGTON

NOTE--In order to receive high school credit and have the course appear on the high school transcript, courses must be pre-approved by the Director of Student Support Services and a transcript release form signed before the student begins the course.

In the Walden Project you have the opportunity to further personalize and individualize your course of studies by enrolling in classes at the Community College of Vermont (CCV). You must first take the Accuplacer assessment to find courses that are appropriate for your academic abilities. Traditionally these have been classes in the arts, social sciences, science, and math and have included Introduction to Studio Arts, Introduction to Sculpture, Acting, Psychology of Dreaming, Foundations in Writing, Introduction to Business, etc.

PATRICIA A. HANNAFORD CAREER CENTER

COURSE OFFERINGS

For more information on these programs and the careers and other opportunities they lead to, visit our website at <http://hannafordcareercenter.org>

PRE-TECH FOUNDATION PROGRAMS (available to 10th grade students)

Offered at Hannaford Career Center:

VISUAL COMMUNICATIONS Design is all around us. In Visual Communications, you will learn the principles of design. You will create original two and three dimensional designs using traditional art materials and a variety of computer programs and technology, including Adobe Photoshop, InDesign, Illustrator, Final Cut Pro, digital cameras and scanners.

INTRO TO TECHNOLOGY This foundational course will offer you hands-on experience in automotive, construction, and manufacturing fields. In the automotive portion, you will learn the theory of reciprocating engines and gas and diesel engines. Safety with power tools, blueprint reading, and simple construction will be covered during the construction portion. CNC programming, tools, and tooling will be covered during the manufacturing section of the course.

Offered at Vergennes Union High School

DESIGN WITH CAD I – (see course description under Technology)

DESIGN WITH CAD II – (see course descriptions under Technology)

SOIL SCIENCE - (see course descriptions under Science)

PLANT SCIENCE - (see course descriptions under Science)

ANIMAL SCIENCE - (see course descriptions under Science)

WELDING & ELECTRICITY - (see course descriptions under Science)

SMALL ENGINES - (see course descriptions under Science)

CAREER AND TECHNICAL PROGRAMS (available to 11th and 12th grade students)

Prerequisite – 10 credits on VUHS transcript.

ADDISON REPERTORY THEATRE (A.R.T.) provides active education in theatrical careers including: stage management, lighting, sound, set construction, promotion, community relations, graphic arts, playwriting, producing, acting, costuming and prop design. You can choose to focus on either Technical Theater (AM) or Performance (PM). Each quarter, you focus on a different aspect of theater: travelling shows, one-act plays, main stage theater, Shakespeare. In the second year you also perform a small cast main stage in the first quarter.

AGRIBUSINESS TECHNOLOGY provides you with the skills and knowledge needed to own and operate an agricultural business. You will learn the basic principles of planning, managing, financing, marketing, and production of an actual short-term business. You are exposed to careers in animal production. You learn techniques for grooming, feeding, raising, and caring for large and small animals.

AUTOMOTIVE TECHNOLOGY This program provides you with a broad range of skills and knowledge necessary for technician positions in the automotive field. You will receive state-of-the-art training through theory lectures and lab experience. The course of study includes safety procedures, tools and equipment, fabrication, computer diagnostics, maintenance and repair, and customer service.

CONSTRUCTION TECHNOLOGY offers you the opportunity to build a modular house in the Building Lab. You will participate in every phase of construction, from the Mortise and tennon joinery in the timber frame trusses to installing light fixtures. Students learn hand and power tool operation, blueprint reading, framing skills, window and door installation, and woodworking finish skills. The modular house uses the latest building techniques with an emphasis on energy efficient construction. You will work with local electricians and plumbers installing the plumbing and electrical systems.

CULINARY ARTS This class is an introduction to the food service industry focusing on the operation of the Glass Onion Restaurant. You will learn basic cooking skills and have experiences in dining room service, catering, cashiering and hosting. Emphasis is given to menu planning, costing, and kitchen management. You are given the opportunity to be certified in ServSafe, endorsed by the National Restaurant Association.

DIESEL POWER TECHNOLOGY covers engines and fuel systems, power trains. You will learn gas and diesel engine overhaul skills needed to enter the field as an agricultural, industrial, and consumer products mechanic. You will also learn mechanical skills for power transmission systems, and conversion to biodiesel fuels. You will explore power transfer using clutches, gears, power shifts, torque converters, hydrostatic, final drives and power take off devices.

FORESTRY AND NATURAL RESOURCES Units of study include: soil and water testing; land judging, wetlands and waterfowl, conservation practices, environmental laws, fisheries (aquaculture). You will also learn to safely operate and maintain construction equipment. You will learn remote sensing, GIS, GPS computer technology, landscape surveying, topo and aerial photo interpretation, and print reading. You will compete in the VT Land Judging and Winter Forestry Career Development events.

HEALTH CAREERS This program is designed to prepare you for further education and/or careers in the health care field through a combination of classroom, lab, and clinical work. Topics to be studied include human growth and development, anatomy and physiology, nutrition, medical terminology, CPR, and emergency care.

HUMAN SERVICES is designed for students pursuing careers in education, health care, and social services. You will learn the fundamentals of human development, education, and caring for children, the elderly and disabled. The Human Services program operates its own preschool

INDUSTRIAL DESIGN AND FABRICATION You will learn the skills of fabrication by designing and building an operational solar car. You will have input into each aspect of designing, purchasing, machining, construction and testing the vehicle. You will learn machining, welding, soldering and brazing. You will learn about electrical motors, solar cells, and batteries. You will have the opportunity to specialize in areas of design, machining, electronics, and computer programming.

PRE-ENGINEERING/ARCHITECTURAL DRAFTING

PREREQUISITE: Design w/CAD I and Int. Math I or IY. Concurrent enrollment in Informal Geometry or Int. Math II or higher is desirable. Provides college and technical school candidates the knowledge and technical drawing skills necessary for a sound background in architectural and mechanical drafting. You will prepare industrial drawings such as sectional assemblies and dimensioned working drawings. Use of the computer (C.A.D.) is an extensive part of this curriculum. The architectural phase consists of residential house design and the study of building materials used in house construction. Advanced topics in pre-engineering include gears, cams, welding drawings, electrical schematics, and solid modeling.

SUSTAINABLE LANDSCAPES, FOOD PRODUCTION, AND TURF MANAGEMENT You will be actively engaged in learning how to design and plant landscapes. State-of-the-art computer software will be used in the design work. You will also learn how to install and maintain sports turfs and golf courses. A third part of the program involves learning about traditional and organic food production and researching new local food crops for their sustainability.

VIDEO TECHNOLOGY Creating professional broadcast quality video for television and interactive multimedia CD-ROMs for computers, the Web, and public exhibition is the basis of this artistic and technical program. You will learn to conceive, script, edit, and produce video productions. Emphasis is placed on creative expression using computer/video technologies. You also will be introduced to multimedia (audio, video, and text presentations) design and some computer animation.

**Patricia A. Hannaford Career Center (PAHCC) Embedded and Applied Credits
for Completion of Levels I and II**

PROGRAM	ENGLISH	FINE ARTS	MATH	SCIENCE	SOCIAL STUDIES	TECHNOLOGY After completion of Level I only
Pre-Tech Visual Communications		.5/sem				.5/sem
Pre-Tech Intro to Technology			.5/sem.			
Addison Repertory Theatre	1.0 applied per year	.5 per year				
Agribusiness Technology			1.0 applied	1.0		.5
Automotive Technology			1.0 applied	1.0		.5
Construction Technology			1.0			
Culinary			1.0	1.0		
Diesel PowerTechnology			1.0 applied	1.0		.5
Forestry&Natural Resources			1.0 applied	1.0		
Health Careers				1.0		
Human Services					1.0	
Industrial Design/Fabrication			1.0			.5
Pre-Engineering/Drafting			1.0			.5
Sustainable Landscapes, Food Production, Turf Management			1.0 applied	1.0		.5
Video Tech Arts				1.0		.5

A PAHCC program that meets both semesters (full day) all year carries 6 credits. Programs that meet 1 semester (half year) OR mornings or afternoons all year, each carry 3 credits. Therefore, students who take levels I and II of the same program may earn a total of 6 credits.

NOTE Unless otherwise noted, applied and embedded credits are based on students' completing two levels of a program(s) that carries these credits. In programs where applied math is an integral part of the program, of the 6 possible credits earned for completing levels I and II, 1 credit will be for applied math and 5 credits will be for the program. Embedded credits will be listed separately on the transcript only if the student is using them to meet graduation requirements or requests that they be broken out of the 6 credits for levels I and II.