



Program of Studies

2020-21

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SECTION 1

GRADUATION REQUIREMENTS, PROCEDURES, AND PRACTICES

PROFICIENCY BASED GRADUATION REQUIREMENTS (PBGRs)

Proficiency-based graduation requirements (PBGRs) will be the criteria by which students earn a diploma. This is required by [Vermont Law](#) and is best instructional practice. Students will work toward their proficiencies for both transferable skills and content through courses and/or other learning experiences. This will ensure students graduate being college and career ready, as well as provide opportunities for flexible and multiple pathways to graduation.

Transferable skills are embedded in learning experiences across content areas, including content areas not required for graduation. Progress towards proficiency for the transferable skills will be tracked through the grading and reporting system and through a student’s required Personalized Learning Plan. Common grade level assessments and student selected evidence will be utilized for demonstrating proficiency of transferable skills.

Transferable Skills (evidence of proficiency required for all areas at intermediate benchmark)	
Personal Development and Self Awareness	Student recognizes how their mindset, interpersonal skills, and choices can impact their learning and well-being.
Problem Solving	Student demonstrates evidence that shows how to solve problems effectively within a variety of scenarios and across content areas.
Collaboration	Student demonstrates skills that lead to using one’s mind well by seeking feedback and collaborating with others to extend knowledge and skills for continuous learning across content areas.
Global Citizenship	Student recognizes how their role and the role of groups within their community are impacted by and can impact the global community.
Communication: Reading	Student demonstrates their ability to read a wide range of written/graphic material to comprehend, interpret, analyze, integrate and evaluate texts across content areas.
Communication: Writing	Student demonstrates an ability to write in an organized and coherent manner across content areas.
Communication: Speaking & Listening	Student demonstrates an ability to clearly express ideas, presents information and supporting evidence to convey a distinct perspective, and initiates and participates in discussions across content areas.

Habits Of Work are the consistent and common school-wide approaches for social-emotional skill development and learner responsibility. H.E.A.R.T expectations are how we assess Habits of Work and they will be tracked independently of academic achievement in our grading and reporting system. They are aligned with the Personal Development and Self-Awareness transferable skill.

Habits of Work (H.E.A.R.T.)				
Honest: Student is honest with peers and teachers. Student completes own work and cites sources when necessary.	Engaged: Student asks questions, takes initiative, advocates for understanding, and contributes to the learning environment.	Appropriate: Student uses appropriate behavior and language and is respectful to others. Student interacts in a way that contributes to a positive and productive learning environment for all.	Responsible: Student is prepared for learning with all necessary materials and an attitude that maximizes potential for learning. Student utilizes technology to enhance learning.	Timely: Student completes assignments and meets deadlines. Student comes to class on time and manages breaks and transitions well.

Content proficiencies show evidence of learning for knowledge and skills in specific content areas, including content areas not required for graduation. Progress towards proficiency will be tracked through the grading and reporting system and through a student’s required Personalized Learning Plan.

Content Proficiencies	
Literacy (4 proficiency credits)* <ul style="list-style-type: none"> ● Reading ● Writing ● Language ● Speaking & Listening 	Social Studies (3.5 proficiency credits)* <ul style="list-style-type: none"> ● History ● Geography ● Civics ● Economics
Mathematics (3 proficiency credits)* <ul style="list-style-type: none"> ● Math Concepts & Skills ● App of Math Concepts & Skills ● Financial Literacy ● Statistical Literacy 	Science (3 proficiency credits)* <ul style="list-style-type: none"> ● Earth & Space Science ● Life Science ● Physical Science ● Science Inquiry
Physical Education (1.5 proficiency credits)* <ul style="list-style-type: none"> ● Movement Skills & Knowledge App ● Fitness Skills & Knowledge ● Affective Qualities & Social Interactions 	Health Education (0.5 proficiency credits)* <ul style="list-style-type: none"> ● Health Concepts ● Health Skills
Artistic Expression (1 proficiency credit)* <ul style="list-style-type: none"> ● Creating ● Performing/Presenting ● Responding/Reflecting 	World Language** <ul style="list-style-type: none"> ● Culture ● Communication
Design Technology Education <ul style="list-style-type: none"> ● Design and Problem Solving ● Technology and Machine Operation ● Technology and Society 	Driver Education <ul style="list-style-type: none"> ● Driver Ed Classroom ● In Vehicle Driving
	Other***

*Required proficiency credits for graduation

**Most colleges require a minimum of 2.0 proficiency credits of World Language

***There are many “other” courses that teach and assess transferable skills and content proficiencies

Graduation requirements will be met by passing Academic Course grades according to established distribution of proficiency credits (reminder that as of the 2018-19 school year, a 2.0 in the academic grade is the criteria for passing a course) **and** a completed Personalized Learning Plan (PLP).

Further descriptions of Content Proficiencies are found in the content area briefs for each content area.

PROCEDURES AND PRACTICES

Proficiency-based Reporting

Reports and transcripts will reflect course scores, content proficiency scores, transferable skills, and habits of work. Two separate course-based GPAs will be calculated, one for academic achievement and another for habits of work.

- Academic Achievement - Content proficiencies and transferable skills
- Habits of Work (HOW) - H.E.A.R.T (Honest, Engaged, Appropriate, Responsible, Timely)

The JumpRope gradebook and portal will be utilized to track student learning. Contact a student's advisor to obtain login information for the student/family portal.

Proficiency Scales (for grading and reporting)

4 Extending	The student demonstrates an in-depth understanding. The student can apply his/her knowledge and skills independently and/or across content areas.
3 Proficient	The student has met proficiency for the targeted knowledge and skills by demonstrating sufficient understanding through application.
2 Developing	The student shows partial understanding of the foundational material, but more targeted practice is needed.
1 Getting Started	The student shows little to no understanding of the material or is lacking evidence to support demonstration of his/her knowledge and skill. Remediation is necessary.
U Insufficient Evidence	The student has not provided enough evidence to accurately measure achievement..

Progress Toward Proficiency and Passing Criteria

Students who attain a 2.0 or above in their academic course are considered passing and making adequate progress in their learning. If a student earns below a 2.0 in their final academic course grade they will need to retake the course or work with their school counselor to find a substitute course that teaches and assesses the proficiencies (at the appropriate rigor level) for which the student did not demonstrate proficiency.

Grade Point Average (GPA) and Class Rank

GPA for both Academic and Habits of Work scores will be calculated at the end of each semester. Transfer grades will be used to calculate a Mt. Abraham GPA.

Courses taken by Mt. Abraham exchange students in other countries will not be considered in a student's GPA, unless other arrangements are made in advance. Academic experiences at other programs, such as dual enrollment programs, for which Mt. Abraham credit is granted, will count in the GPA. All these arrangements should be reviewed and confirmed with the student's school counselor.

Mt Abraham Union High School will no longer report class rank. Our proficiency-based learning system provides more accurate, consistent and meaningful information about student progress. With this authentic approach to education we are able to accurately report out student achievement. Over half the high schools in the United States, including most elite private high schools and most of Vermont's high schools no longer rank students. We are now following this practice for the class of 2020 and beyond.

Semester-based Academic and Habits of Work Honors

There are two possibilities for honors recognition each semester, one for Academic and one for Habits of Work, based on independently calculated GPAs. Students from all grade levels must be enrolled in at least 6 courses (or 4 with approved work release) to qualify for honors.

Academic Criteria

Honors - 3.30

High Honors - 3.50

Highest Honors - 3.70

Habits of Work Criteria

Honors - 3.30

High Honors - 3.50

Highest Honors - 3.70

Graduation Cumulative GPA Honors:

Cumulative GPA of academic grades up through the end of the 1st semester of the graduation year will be used to determine Latin Honors.

Latin Honors Criteria

Cum Laude - 3.30

Magna Cum Laude - 3.50

Summa Cum Laude - 3.70

Graduation Proficiency Endorsements: *Upon graduation, students will have the opportunity to be recognized for specific content proficiencies through a Latin Honors system. To achieve these endorsements the student must meet the thresholds indicated and establish a score of 3.0 or higher in **all** of the underlying proficiencies for that content area.*

Cum Laude - 3.30

Magna Cum Laude - 3.50

Summa Cum Laude - 3.70

Incompletes

If a student is unable to complete the requirements of their semester course due to extenuating circumstances, they will receive an Incomplete (I) status. Extenuating circumstances must be approved by a school counselor. All incomplete work must be completed by the end of the next quarter (quarter 3 of that school year or quarter 1 of the following school year). When that quarter ends, the Incomplete (I) will be replaced by the scores reflecting the work that was completed. If it becomes necessary for a teacher to change scores, a new report card will be issued.

Adding and Dropping Courses

Students will have **four days** from the first day of each semester in which to ADD or DROP a course. Dropping a course is a serious decision which may require written parent permission. After the drop/add period, a student who drops a course will be assigned a grade of WP (withdraw-proficient) or WNP (withdraw-not proficient) for the semester in that course. Withdrawal grades will be reflected on a student's permanent transcript.

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SECTION 2

FLEXIBLE PATHWAYS, ENRICHMENT, AND CO-CURRICULAR ACTIVITIES

FLEXIBLE PATHWAYS

Flexible Pathways are the opportunities students have to experience learning through personalized and multiple pathways - classroom instruction, independent studies, virtual learning, service learning, work-based learning, dual enrollment, early college, mentorships, and more. A required Personalized Learning Plan (PLP) allows students to maximize the flexibility in their pathway to graduation. ([VT AOE link](#))

Personalized Learning Plan (PLP) - An individual student "action plan"

- A "living document" that gives students opportunities:
 - To set and reflect on goals
 - To create a relevant academic journey
 - To access resources for learning and life goals
 - To experience learning through flexible and multiple pathways
 - To collect evidence of that learning through a portfolio process

Flexible Pathway Options at Mt. Abraham

Offered at Mt. Abraham:	Offered beyond Mt. Abraham:
All courses in the Program of Studies including below:	Career Centers
Independent Learning Opportunities (ILO) in certain content areas	Virtual High School Learning (VHSL) courses
Guided Learning Opportunities (GLO) in certain content areas	Dual Enrollment
On the Job Learning	Middlebury College Course
Do Unto Others (DUO)	Early College
AP Classes	Online Courses
Work-Based Learning	Approved local learning opportunities

See your School Counselor for more information on these pathways.

Career Centers

Mt Abraham students can access career centers to pursue technical training in specific areas of interest. Transportation is provided for the [Patricia Hannaford Career Center](#) in Middlebury. Students may attend the Center for Technology in Essex for Cosmetology, Computer System, and Dental Assisting programs and would need to provide their own transportation. Grades received from career center courses will be converted to academic scores and factor into a student's academic GPA. When possible, proficiency scores may be incorporated and reflected in transcripts and/or a student's PLP. Please see your school counselor for an application.

Virtual High School Courses

Virtual High School courses allow students to access courses beyond Mt. Abraham. These courses are taught by teachers around the country and accessed through a web-based platform. Grades received from VHS courses will be converted to academic scores and factor into a student's academic GPA that will go on their report card and transcript. When possible, proficiency scores may be incorporated and reflected in transcripts and/or a student's PLP.

Note:

- Virtual High School is offered both fall and spring, and some AP courses may be all year.
- VHS courses cannot supplement courses taught by an instructor at Mt. Abe.
- There is an application process in the spring for fall and spring course enrollment.

- Students may elect one VHS course per semester or two courses when space is available and approved by VHS coordinator and parent/guardian.
- To access the course catalog, visit <http://vhslearning.org/>.
- Students that elect a full year VHS course are expected to remain in the course for the full year and will earn a final grade at the end of the course. Withdrawing from the course prior to this time will result in a grade of WP or WNP.

Dual Enrollment

Dual enrollment is an opportunity for 11th and 12th grade students to take up to 2 college courses and earn both college credit and high school credit/proficiency for the same course. Students may take a course during the following semesters: summer entering 11th grade, fall 11th grade, spring 11th grade, summer entering 12th grade, fall 12th grade, spring 12th grade. A personalized learning plan (PLP) must be in place at Mt. Abe prior to enrolling in a course. Students may enroll in online or face to face classes. Grades received from Dual Enrollment courses will be converted to academic scores and factor into a student's academic GPA.

There are 15 partnering colleges:

Bennington College	Landmark College	SIT Graduate Institute
Castleton University	Marlboro College	University of Vermont
Champlain College	New England Culinary Institute	Vermont Technical College
Community College of Vermont	Norwich University	St Michael's College
Goddard College	Northern Vermont Colleges	Sterling College

- Students must apply for a free payment voucher at <https://education.vermont.gov/student-learning/flexible-pathways/dual-enrollment> (1-2 vouchers per student available based on state legislation)
- Personalized Learning Department High school designee approves voucher after PLP is approved.
- Students complete college dual enrollment application.
- Student stays enrolled at the high school.
- IEP services are delivered at the home high school. *Students need to understand that not all accommodations available at the high school will be allowed in college classes.*

Middlebury College Course

Middlebury College offers an opportunity for Mt. Abe students to take a college course in the fall or spring of Senior Year. Up to five students per semester may attend on a space available basis. Fall courses begin in early September and spring courses begin in early February. Students should consider flexibility needed in schedule to balance Mt. Abe classes with a college course. Students must complete an application with the Personalized Learning Department during the college enrollment period (the semester prior to enrollment). Students planning to take a language course must complete a language assessment prior to completing an application. Students must be in good standing at Mt. Abe to be considered for a Middlebury College course.

The student will. . .

- be able to consider earning core graduation requirements from Mt. Abe as long as prior approval is received from the Mt. Abe content area Teacher Leader
- not be responsible for paying for the course
- be responsible for payment of books, supplies and other fees
- receive grades from Middlebury College will be converted to academic scores and factor into a student's academic GPA that will go on their report card and transcript
- not earn college credit for successful completion of the course

Early College Program

Mt Abraham seniors are able to enroll in Early College for one academic year in a program offered by an approved post-secondary institution. Following is the list of Colleges that have been approved for an Early College Program:

Castleton University	Northern Vermont College
CCV	Norwich University
Goddard College	VTC/VAST

Early College:

- VT seniors can complete final year of high school at college, tuition free.
- Students graduate with a diploma from the home high school. (VAST offers their own diploma; students may also earn a MAU diploma if they meet requirements.)
- PLP must be in place listing the Early College Program element.
- Students must apply and be accepted by partnering college.
- Principal has to approve the student is ready for the Early College Program.
- Student must unenroll from the high school and be enrolled as a full-time student at the college.
- Students on IEP will no longer be eligible to receive services from the high school. Students need to get disability services from the college.
- To receive a diploma from Mt. Abraham, students must meet all Mt. Abraham graduation requirements.
- Early college students may participate in Mt Abraham activities and events.

Important Notes about College - Credit is awarded at the rate of 0.5 credits per semester of college course work regardless of how many college credits are earned for the course. Students have the option of taking the letter grade assigned by the college or a Pass/Fail grade. For Pass/Fail credit, paperwork must be completed with the Mt. Abraham registrar prior to start of course.

ENRICHMENT

Mt Abraham offers enrichment programs, which are open to all students. Many of these programs involve students from several grades. Some of the activities supported include:

- New England Young Writers Conference
- Governor's Institutes of Vermont (<https://www.giv.org/>)
- HOBY (Hugh O'Brien Youth Leadership) for sophomores only

Eagle Challenge

Eagle Challenge is an opportunity for students to extend their learning. A student must declare their intent to participate in the Eagle Challenge during the first semester of their 9th grade year to start second semester of that year. A student that transfers to Mt. Abraham as a sophomore must have approval from the Personalized Learning Teacher Leader.

- Available to students entering grade 9 with completion by graduation
- Provides opportunity for students to extend learning beyond the school day
- Students must meet academic proficiency of 2.7 or better in all courses in grades 9 and 10
- Students must meet academic proficiency of 3.0 or better in all courses in grades 11 and 12
- Students must meet HOW proficiency of 3.0 in all courses
- Completion of transferable skill challenges for Freshman year
- Completion of transferable skill challenges for Sophomore year
- Completion of Personal Learning Plan (PLP) each year
- Completion of 2 years of the same World Language

- Completion of the equivalent of 54 semester based courses (average of 7 courses per semester)
- Completion of any 2 courses: Advanced Placement (AP), college, or Virtual High School (VHS)
- Completion of an ILO or GLO

Standardized Testing

Mt. Abraham annually administers standardized tests to students. These tests help us to gather important information about student progress and instructional programs.

CO-CURRICULAR ACTIVITIES (that have eligibility requirements)

ELIGIBILITY: Students must carry at least six classes per semester (or four classes and an approved work release) in order to participate in the co-curricular activities listed below. Home-school students who wish to participate in these co-curricular activities must contact the Athletic Director for information on eligibility.

Students participating in these co-curricular activities will be required to sign a contract that holds participants to a level of behavioral expectations that exceed the behavioral expectations set forth in the parent-student handbook.

ATHLETIC TEAMS

The Mt. Abraham interscholastic athletic program offers the following sports:

FALL

Boys Soccer
Girls Soccer
Field Hockey
Cross Country
Football (HS only)

WINTER

Indoor Track (Independent)
Girls Basketball
Boys Basketball
Wrestling
Nordic Ski (Club)

SPRING

Track and Field
Softball
Baseball
Lacrosse (Boys, HS only)
Lacrosse (Girls, Co-Op VUHS)

National Collegiate Athletic Association (NCAA) Eligibility

The NCAA Eligibility Center certifies the initial academic eligibility and amateur status of all college-bound student-athletes who wish to compete in Division I or II collegiate athletics. Prospective Division I or II athletes must complete NCAA eligibility at www.eligibilitycenter.org, prior to beginning grade 12. Prospective Division I or II athletes should also consult with their school counselor early in their high school career to ensure proper course selection. To see a complete list of Mt Abraham Union High School's approved NCAA courses, please go to The NCAA High School Portal: <https://web3.ncaa.org/hsportal/exec/hsAction?hsActionSubmit=searchHighSchool>

Our CEEB/ACT Code is 460065. Additional information can be found at <http://www.ncaa.org/student-athletes/future>.

FALL & SPRING MUSICALS

Open to all students in grades 7-12. The musicals highlights the talents of many of Mt. Abe's students.

SCHOLARS' BOWL

This group meets twice a week between November and March for students who like trivia and academic competitions. The Scholars' Bowl teams compete in several competitions in the state.

MT. ABE ROWING CLUB - MARC

This club meets two days a week during the Fall and Spring seasons.

CO-CURRICULAR ACTIVITIES (that do not have eligibility requirements)

COMMUNITY COUNCIL

The Mount Abraham Union Middle/High School Community Council is to govern school affairs, consistent with school board policy. This Council serves as a link between the community, the students, the school board, and the staff of the school. Anyone in the community may propose changes to the Mt. Abe Student/Parent handbook through the Community Council. On Mondays after school representatives from each grade level, staff, faculty, administrator, the School Board, and community decide whether or not to accept proposed changes and work to support the implementation of those changes.

COSTA RICA TRIP

Travel opportunity for students in grades 11-12 to Costa Rica to learn about sustainable living, conservation, wildlife and the culture of the Ticos. Activities may include sea turtle conservation work, mangrove or forest restoration, visiting indigenous tribes, organic farming, jungle walks, etc. We travel every other year.

DIVERSITY CLUB

This is a group for student's grades 7-12 who are interested in civil rights, acceptance and tolerance.

ENVIRONMENTAL ACTION GROUP

Focuses on improving the sustainability and environmental consciousness of the Mt. Abe community.

GARDEN CLUB

The Mt Abe Garden Club is a student led group that maintains the vegetable garden at Mt Abe. We work collaboratively to grow high quality fresh produce for our school community.

MATH LEAGUE

Mt. Abe is one of nine schools in the greater Burlington math league. Individual events at each meet cover topics in the categories of Arithmetic, Geometry, Algebra, and Advanced Math. The team test consists of questions from all categories. Five meets are scheduled during the school year.

MODEL UNITED NATIONS CLUB

Model UN is a global organization dedicated to providing high school and college students interested in global politics and policy with avenues for discourse and decision making. In Model UN, students play the roles of delegates representing different countries. They discuss world problems. Each delegate speaks and votes in a committee as the country he or she represents. In their committees, the delegates hear and consider many different viewpoints before deciding the best solutions. Mt. Abe students participate in two or three high school or college Model United Nations conferences per year.

NEUROSCIENCE AND THE BRAIN CLUB

We learn about the brain and our nervous system and how it affects our daily life. We compete in the Vermont Brain Bee in February to test what we've learned against other students from other schools in the state. (We were state champs in 2015!) Sometimes we dissect sheep brains. Sometimes we take field trips. Often we have delicious snacks! This club is open to students in grades 9-12.

NEW ENGLAND YOUNG WRITERS CONFERENCE

This is an opportunity for students in grades 10-12 to go to the Middlebury College Breadloaf Conference Center for a long weekend and work with a published author and other young writers from New England and New York.

NODAH

Mt. Abraham Literary Magazine

ONE-ACT PLAY - THIN BUDGET PRODUCTION

This is an after school group that writes, directs and designs all aspects of their one-act plays. A competition takes place in the spring of the year.

POETRY OUT LOUD: A POETRY RECITATION COMPETITION

This is a club that practices memorizing poetry and prepares for a school and then state competition.

PROJECT GRADUATION STEERING COMMITTEE

The steering committee is a volunteer group of seniors who meet regularly to do planning and fundraising for the annual Project Graduation celebration. Project Graduation is the school sponsored, drug and alcohol free party for Mt. Abe's graduating class.

STARs

STARs is an acronym for Students Taking Action Responsibly. It is open to any middle school student interested in community service, leadership and tobacco use prevention. This group meets weekly.

STATE and DISTRICT MUSIC FESTIVALS

The Vermont Allstate Music Festival and Green Mountain Music District Festival are opportunities for band and choral students to audition and possibly perform with other students from around Vermont.

VERMONT YOUNG PLAYWRIGHTS

This is a group for student's grades 9-12 who love to write. Work done within this group can also qualify for challenge diploma.

VTLSP/SADD

Vermont Teen Leadership Safety Program/Students Against Destructive Decisions - A student leadership group dedicated to raising awareness and helping their peers and others in the school community make healthy and safe life choices.

VT HISTORY DAY

This group is for Middle School Students who are interested in history.

YRBS CLUB

This student group organizes a student retreat to allow Mt Abe students to decide what is important to them in the Youth Risk Behavior Survey Data that is released every other year. The YRBS club then uses the student priorities to plan action steps to improve our school and community.

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SECTION 3

SCHEDULE, REGISTRATION, AND PROGRAMMING

DAILY SCHEDULE

Mt. Abraham works on a 2 day rotating schedule (Monday/Thursday A day, and Tuesday/Friday B day, Wednesday alternating A/B days).

Advisory	8:20-8:35
Block 1A/B	8:38 - 9:48
Block 2A/B	9:51 - 11:01
F.I.T. Block	11:04 - 11:59
Block 3A/B	12:02 - 1:34
(Lunches: 12:02-12:22 MS 8, 12:27-12:47 MS 7, 12:50-1:10 HS, 1:14-1:34 HS)	
Block 4A/B	1:37-2:47
Busses Leave	2:52

FLEXIBLE INSTRUCTION TIME - (F.I.T.) BLOCK

F.I.T. Block is a designated instructional time to:

- provide additional opportunities for students to personalize their learning
- improve all students' access to timely intervention, extension, re-teaching, and re-assessment opportunities directly tied to current course-level learning targets and graduation proficiencies
- provide flexibility for grouping students school-wide
- increase students' self advocacy, self awareness, and personal development through routine reflection on progress toward proficiency with advisor
- support expectation of high achievement for all students

Expectations of F.I.T. block:

- Students are expected to attend and participate in the 55 minutes (starting at 11:04 am) FIT block.
- Students are expected to work with their advisor on the first day of the school week to make a schedule for FIT Block for the remainder of the week.
- During Advisory, students are expected to review their current academic standing in JumpRope in order to prioritize bookings for FIT Block.
- Students are expected to respect the priority of pre-booking for FIT Block.
- If a student will be absent during the Advisory FIT Block booking time, they are expected to communicate their FIT Block preferences prior to that time or their advisor will schedule them for the week.
- Students are expected to remain in their booked FIT Block location after arriving. This also applies if the particular faculty member is out sick and a substitute is present.
- Students are expected to meaningfully use FIT Block time in support of their learning in their booked location.
- Students are expected to be in their booked FIT Block location at the bell. Students may only leave with a pass for the bathroom and seldomly. Students who are found outside their booked location during FIT Block may be subject to disciplinary action by Administration. Administrators will be monitoring the hallways to reinforce students to get to FIT Block by the bell.
- Students are expected to adhere to all school-wide behavioral expectations within the FIT Block time (this includes both Advisory and FIT Block).
- Students are expected to be flexible during FIT Block, understanding that there will likely be a wide variety of needs, requests, and questions for teachers.

LEARNING COMMONS

Learning Commons support students in the Academic and Habits of Work (HOW). They are staffed by professionals to provide time, support, and/or interventions for students to build their skills in order to demonstrate proficiency in content areas and transferable skills for graduation. They are scheduled into a block of a student's schedule. 9th and 10th graders who have open blocks in their schedule will be assigned to HOW for homework completion. 11th and 12th graders who do not have their grade level privileges and have open blocks in their schedule will be assigned to them for homework completion.

Students scheduled into HOW, Literacy, Proficiency-based, or Math Learning Commons can count this block as one of their six academic courses towards eligibility for participation in extra/co-curricular activities at Mt. Abraham.

SCHOOL COUNSELING PROGRAM

The Mt. Abraham School Counseling program advocates for academic, career, and personal/social-emotional development for all students and welcomes family, staff, and community collaboration for our students. There are three professionally licensed school counselors at Mt. Abraham, serving the middle school and high school.

School counselors are available to assist students and families to support school life and learning which includes resources inside and outside of school. They support students with their middle and high school academic planning in order to ensure their pathways for graduation to seek post secondary placement for career and college. School counselors serve students through individual, small-group, and large-group meetings. They provide opportunities to work with military, college, and career representatives, the Vermont Student Assistance Corporation (VSAC) program, admissions testing support for all students and much more.

School counselors are resources for the course registration process and this Program of Studies. Feel free to contact your school counselor at any time.

ADVISORY PROGRAM

The Mt. Abraham Advisory Program educates, empowers, and advocates for our students grades 7-12 by supporting their academic and social-emotional growth. Our purpose is to:

- Build community and a sense of belonging
- Provide equity for our students
- Create a consistent approach with communication
- Encourage social engagement with peers
- Develop school culture ownership
- Establish student voice for our environment
- Foster a connection with an adult to advocate and navigate MS & HS experience
- Support the Personalized Learning Plan (PLP)
- Enhance their Transferable skills: Personal Development and Self Awareness, Problem Solving, Collaboration, Global Citizenship, and Communication (Oral, Written, and Speaking & Listening)

Advisors assist school counselors with the course registration process as well.

GRADE REPORTING

JumpRope

JumpRope is the software teachers use to enter and track student mastery toward specific learning targets and proficiencies in their courses. Parents and students will be given a username and password to the portal which allows them to track progress throughout the year. Report cards will be issued at the end of each semester.

JumpRope Portal link: <https://nyc.jumpro.pe/login/>
[JumpRope User Guide](#)

Powerschool

Powerschool is the software used for attendance and scheduling.

Powerschool link: <https://anesu.powerschool.com/public/home.html>

COURSE REGISTRATION

Each year all students in the 8th through 11th grades are required to register for the next year's courses. This is a process which should involve the student, school counselor, advisor, and parents. The 4-year plan "at a glance" worksheet in this booklet will be useful in planning ahead. Students will sign up for classes through PowerSchool with help from school counselors and advisors.

Please use the **4 Year Plan - At -A- Glance** provided in this Program of Studies for your planning and please see your advisor and school counselor for any support for your plan.

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SECTION 4

CONTENT AREAS AND COURSE DESCRIPTIONS

LITERACY ([Back to Table of Contents](#))

Proficiencies: (4 proficiency credits of Literacy are expected to attain proficiency)

Literacy (evidence of proficiency required in all areas at intermediate benchmark)	
Reading	Student comprehends, interprets, analyzes, and evaluates a wide range and level of complex literary and informational texts.
Writing	Student produces clear, coherent writing for a range of purposes and audiences, including both short and sustained research projects.
Speaking and Listening	Student expresses ideas clearly and persuasively, presents information and supporting evidence to convey a distinct perspective, and initiates and participates in discussions, responding thoughtfully to diverse points of view.
Language	Student demonstrates command of the conventions of standard English syntax, grammar, usage and mechanics when writing or speaking, incorporating knowledge of domain specific words and phrases, and showing independence in gathering vocabulary knowledge.

Course Offerings:

Yearly Offerings	Alternating Year Offerings (20-21)	Alternating Year Offerings (21-22)
*English 9 A and B (year course)	Creative Nonfiction (9-12)	Page to Screen (10-12)
*English 10 A and B (year course)	Discovering Drama and Literature in Writing (9-12)	World Literature (10-12)
Creative Writing (9-12)	Shakespeare (10-12)	Contemporary Literature (11-12)
Journalism (9-12)	Mythology & Alternate Traditions (11-12)	Introduction to Philosophy (11-12)
Turn the Page (9-12)	Society and the Human Condition (11-12)	Reading, Writing, and Working in the Wilderness (11-12)
Composition and Language (10-12)	AP Literature and Composition A and B (11-12: year course)	Science Fiction (11-12)
Media Literacy (10-12)		AP Language and Composition A and B (11-12: year course)
American Studies: English A and B (11-12: full year course)		
Guided Learning Opportunity (GLO) English (10-12)		
Independent Learning Opportunity (ILO) English (9-12)		
VHS English		
Dual Enrollment English		

*required course

ENGLISH 9 A - 209000 (Part of 9th grade teaming structure)

ENGLISH 9 B - 209001 (Part of 9th grade teaming structure)

Benchmark: Intermediate

Content Proficiencies: Reading, Writing, Language, Speaking & Listening

Transferable Skills: Personal Development & Self Awareness, Collaboration

Prerequisites: none

Grade: 9

Duration: Year-long

English 9 is a complementary study of literature, writing, grammar, and reading. Reading and writing are the major components of this course, and writing includes narrative, essay, research, and journaling. Reading selections come from teacher and student choice, and are frequently linked to themes, and occasionally connected to Global Studies or Foundational Science. Literature is chosen to represent a broad variety of themes and literary forms (plays, poems, novels, short stories). Students work in groups and individually on projects and presentations, which enhance each unit.

ENGLISH 10 A - 210000

ENGLISH 10 B - 210001

Benchmark: Intermediate

Content Proficiencies: Reading, Writing, Language, Speaking & Listening

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 10

Duration: Year-long

In this class we practice and improve reading skills with literature and nonfiction by exploring fiction and nonfiction in its various forms. Using both text analysis and discussion we examine how literature reflect experiences, patterns, and meanings in our own lives. We also study and develop the power of effective communication in speech and writing. The ability to communicate empowers us to gain and share information about self, others, and the world. The reading list for this course includes classic and contemporary literature, both from the British and American traditions. Vocabulary study, reading skills, and writing skills are emphasized.

CREATIVE WRITING - 210020

Benchmark: Flexible

Content Proficiencies: Reading, Writing, Language

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

Can be repeated 2x.

Creative Writing is a one-semester workshop designed to develop the expressive writing abilities of students. The course exposes students to many forms of excellent literature, both contemporary and classic, from many cultural traditions, as models for their own work. The focus is on poetry and short fiction. All genres will be read during the entire semester, apropos to any theme under discussion. The writing process, emphasized by means of the writing workshop, defines the way the course runs.

JOURNALISM - 210030

Benchmark: Flexible

Content Proficiencies: Reading, Writing, Language, Speaking & Listening

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

Can be repeated.

Students will learn to be articulate and responsible journalists, reporting on news that affects our school and broader communities. They will distinguish the difference between straight news and feature articles, and learn how to write five different types of articles. They will adhere to standards of quality, and contribute six articles per quarter. They will use publishing software, and work as a team to produce the school newspaper, which will come out quarterly. Journalism may be taken for two semesters in English, but if enrolled for a second semester, they will be required to fulfill more complex editorial duties.

TURN THE PAGE - 210060**Benchmark:** Flexible**Content Proficiencies:** Reading, Writing**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none**Grade:** 9-12**Duration:** Semester*Can be repeated 2x.*

Turn the Page is a course designed to cultivate a passion for reading by helping students establish a reading habit and reading stamina. The course is founded on the idea that an enjoyment for reading comes from choice, so students will self-select their independent reading books. Class time will be used to read independently, discuss readings, learn and practice reading strategies, and talk about the reading process. Students will be expected to read each night for homework.

COMPOSITION AND LANGUAGE - 210011**Benchmark:** Advanced**Content Proficiencies:** Reading, Writing, Language**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none**Grade:** 10-12**Duration:** Semester

This course is designed to improve writing skills and to acquaint students with various forms of written composition. Students will grow in their understanding of grammatical concepts and will apply this knowledge in order to produce more coherent, logical, and nuanced writing. Students will also read and evaluate published examples of various forms of composition in order to apply different craft techniques in their own writing. Extensive practice in planning, writing, revising, and editing will assist students in all high school courses.

MEDIA LITERACY - 211025**Benchmark:** Advanced**Content Proficiencies:** Reading, Writing, Language, Speaking & Listening**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none**Grade:** 10-12**Duration:** Semester

In this class you will practice asking questions. Every day we take in hundreds to thousands of verbal and visual symbols through television, radio, computers, newspapers, magazines and advertising. This class provides a working knowledge of the media (its economic, political, organizational, social and cultural factors) so you may challenge, choose and select, and be conscious about what is going on around you. The major goal for this course is to learn how to be a more responsible viewer of media and to engage in critical thinking that promotes active citizenship rather than complacent consumerism.

AMERICAN STUDIES: English A - 211040*(concurrent enrollment in American Social Studies A)***AMERICAN STUDIES: English B - 211045***(concurrent enrollment in American Social Studies B)***Benchmark:** Advanced**Content Proficiencies:** Reading, Writing, Language, Speaking & Listening**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** US History 10 and English 10. *10th graders with permission from instructor.**Grade:** 11-12***Duration:** Year-long

This course is an interdisciplinary study of twentieth century history, literature and culture. The course utilizes a variety of educational methods, including open classroom, collaborative groups and traditional approaches, to present an integrated view of the American experience in the twentieth century. Students read novels, plays, poems and narrative accounts of each time period in the century, use primary sources for historic study, listen to music and look at examples in the visual arts from each era. Students read, write, and discuss extensively as well as engage in collaborative projects that explore various aspects of the twentieth century.

GUIDED LEARNING OPPORTUNITY (GLO) ENGLISH A - 910030**GUIDED LEARNING OPPORTUNITY (GLO) ENGLISH B - 910031****Benchmark:** Flexible**Grade:** 10-12**Content proficiencies:** Determined Upon Enrollment**Duration:** Semester**Transferable Skills:** Determined Upon Enrollment**Prerequisites:** (do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior English course, 2.5 or below academic grade in prior English course, Tier 2 or 3 team recommendation

A GLO in English is an opportunity to practice and improve reading, writing, speaking, and listening skills while studying a topic of choice. A GLO provides extra support and guidance as the student practices personalized learning skills. Student must have an interest to work independently. Off-site time with a community mentor is strongly encouraged.

INDEPENDENT LEARNING OPPORTUNITY (ILO) ENGLISH A - 909030**INDEPENDENT LEARNING OPPORTUNITY (ILO) ENGLISH B - 909037****Benchmark:** Intermediate**Grade:** 9-12**Content proficiencies:** Reading, Writing, Language, Speaking & Listening**Duration:** Semester**Transferable skills:** Determined Upon Enrollment**Prerequisites:** (must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior English course, 3.0 or above in academic prior English course, Junior or Senior in good standing in Eagle Challenge Program

An ILO in English is an opportunity to practice and improve reading, writing, speaking, and listening skills while studying a topic of choice. Student must have proven ability to work independently. Off-site time with a community mentor is strongly encouraged.

Alternating Courses: Offered 2021-22**PAGE TO SCREEN - 210070****Benchmark:** Advanced**Grade:** 10-12**Content Proficiencies:** Reading, Writing, Speaking & Listening, Language**Duration:** Semester**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none

Page to Screen offers students the opportunity to read literature independently and at a quick pace so it can be discussed in detail in seminar format, in preparation for viewing a film version. After viewing the film, discussion will focus on interpretations that are made when transforming from text to film. Students will be expected to read extensively for this course. "Seminar format" suggests that class discussion will be the major way that students are graded, but complementary projects and short writing assignments will also be assigned.

WORLD LITERATURE - 211010**Benchmark:** Advanced**Grade:** 10-12**Content Proficiencies:** Reading, Writing, Speaking & Listening, Language**Duration:** Semester**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none

This course is designed to expand the cultural awareness of students in the 21st century. By expanding their literary horizons beyond their English and American heritage to include the reading of both classic and contemporary literature from Europe, Asia, Africa, the Middle East and the Americas, students will come to a greater appreciation for worldwide religious and cultural traditions, values and attitudes, while at the same time identifying those elements which bind all humans together. Students will think and read critically, develop their vocabulary, give presentations and take part in group projects and write both creatively and informatively.

CONTEMPORARY LITERATURE - 211050

Benchmark: Advanced

Content Proficiencies: Reading, Writing, Speaking & Listening, Language

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none **Exceptions for 9 - 10th grade with permission from the instructor.*

Grade: 11-12*

Duration: Semester

Throughout history literature has helped define the way we view culture. Additionally, our culture defines the literature we are exposed to. We live in a time when the books we read deal with a number of issues: what it is like to be a teenager, illness, political upheaval, and grand adventures. This course will explore these themes and more as we read some of today's most popular fiction. Students are encouraged to read a number of popular novels and will be offered opportunities for discussion, creative expression, and exploration of what makes a novel popular vs. what makes it literature.

INTRODUCTION TO PHILOSOPHY - 211030

Benchmark: Advanced

Content Proficiencies: Reading, Writing, Speaking & Listening, Language

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 11-12

Duration: Semester

This course introduces philosophy through reading and discussing various philosophical understandings about the nature of the world and the people who inhabit it. The course emphasizes using philosophy as a tool to interpret the self, problems, and literature.

READING, WRITING AND WORKING IN THE WILDERNESS - 211011

Benchmark: Advanced

Content Proficiencies: Reading, Writing, Language

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 11-12

Duration: Semester

We will celebrate the great Vermont outdoors and the people who spend time there through frequent excursions outside. We will also read and write about livelihoods and pastimes in Vermont, including hunting, fishing, sugaring, farming, logging, and conservation. Through a wide range of fiction and nonfiction reading, we will learn about the past, present, and future of outdoor vocations and avocations while exploring social and scientific issues related to working and recreating in the wilderness. We will also hone our writing skills through regular journaling, and by crafting cover letters, resumes, college essays, preparing us for a lifelong association with the wilderness.

SCIENCE FICTION - 211012

Benchmark: Advanced

Content Proficiencies: Reading, Writing, Language

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 11-12

Duration: Semester

"A good science fiction story should be able to predict not the automobile but the traffic jam."

-Frederik Pohl

We will read a range of science fiction literature, from its popularization in the early twentieth century to its present expressions in speculative fiction. The class focuses on themes commonly found in science fiction: aliens and the nearly-human, apocalypses, artificial and posthuman life-forms, advanced and emergent technologies, time travel, the environment, immortality and oblivion. We will discover how science fiction authors use the strange and futuristic to examine the familiar and modern in order to better understand the human and now.

AP ENGLISH LANGUAGE AND COMPOSITION A - 212002

AP ENGLISH LANGUAGE AND COMPOSITION B - 212003

Benchmark: Advanced

Grade: 11-12

Content Proficiencies: Reading, Writing, Language, Speaking and Listening

Duration: Year-long

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Any student who wishes to enroll in an AP English course must meet or exceed Proficiencies in 11th grade English courses or must have permission of instructor. Enrollment is contingent upon successful completion of summer work. Exceptional underclassman will be enrolled with teacher's permission.

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. (College Board 2016)

Alternating Courses: Offered 2020-21

CREATIVE NONFICTION - 209002

Benchmark: Flexible

Grade: 9-12

Content Proficiencies: Reading, Writing, Language

Duration: Semester

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

This course combines reading and writing in five major forms of creative nonfiction: focused description, memoir, personal essay, profiles, and reviews. Daily readings will draw students into works from published authors as well as the writings of their peers. Writing exercises and workshops will engage students in every part of the writing process. Students will practice all five types of writing this course examines; the culminating project will be a multi genre project in which the student focuses on a topic she/he wants to explore in depth using multiple genres. This course also includes instruction and practice with conventions as well as vocabulary development.

DISCOVERING DRAMA IN LITERATURE AND WRITING - 209003

Benchmark: Flexible

Grade: 9-12

Content Proficiencies: Reading, Writing, Speaking & Listening, Language

Duration: Semester

Transferable Skills: Determined Upon Enrollment

Prerequisites: none

This class is an introduction to dramatic literature, playwriting, acting, and simple production. Reading and writing is central to the class, and students learn and grow through writing, theatre and collaboration. The reading focuses on plays and literary art as different from other literary genres. Major objectives of this class include immersing students in the language, history, literature and technique of the theatre. Activities and materials are selected that have universal themes that appeal to today's students. Students will analyze how live performance changes a text and explore the relationship between dramatic literature as entertainment and its influence on culture.

SHAKESPEARE - 210040

Benchmark: Advanced

Grade: 10-12

Content Proficiencies: Reading, Writing, Language, Speaking & Listening

Duration: Semester

Transferable Skills: Personal Development & Self Awareness, Collaboration

Prerequisites: none

Power. Revenge. Love. Shakespeare's plays have stood the test of time because the characters and themes are as relevant today as when they were first performed. This course will approach his plays from two perspectives: close reading and analysis of the text, and from the perspective of the actor. Students will work in small groups to produce scenes from Shakespeare's plays. Students will have an opportunity to act, respond to the text in writing, and discuss the play every day.

MYTHOLOGY AND ALTERNATE TRADITIONS - 611031

Benchmark: Advanced

Content Proficiencies: Reading, Writing, Speaking & Listening, Language

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 11-12

Duration: Semester

Mythology, fundamental stories that help define people and their places in the world, is universal across cultures and times. This course will explore a variety of these stories, starting from ancient times and spanning to the modern day. In addition to more traditional forms, we will also explore how people have changed and repurposed mythology to better recognize and define themselves and their worlds.

SOCIETY AND THE HUMAN CONDITION - 211035

Benchmark: Advanced

Content Proficiencies: Reading, Writing, Language, Speaking & Listening

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 11-12

Duration: Semester

Can be repeated 2x.

Many authors believe their portrayal of society's problems can create a better future. In this course we will examine and evaluate such problems as death and dying, treatment of the mentally ill in our society, poverty, and schooling, by reading great books and seeing outstanding films. Students will define their individual boundaries in an increasingly complex world. We will accept, reject and otherwise apply solutions to social problems through the lens of past, present and potential life experiences.

AP ENGLISH LITERATURE & COMPOSITION A - 212000

AP ENGLISH LITERATURE & COMPOSITION B - 212001

Benchmark: Advanced

Content Proficiencies: Reading, Writing, Speaking & Listening, Language

Transferable Skills: Personal Development & Self Awareness, Collaboration

Prerequisites: Any student who wishes to enroll in an AP English course must meet or exceed proficiency in 11th grade English courses or must have permission of instructor. Enrollment is contingent upon successful completion of summer work.

Grade: 11-12*

Duration: Year-long

AP English Literature and Composition is an introductory college course for students who are willing to work hard and challenge themselves. You will be asked to read and write more, to analyze writing, to synthesize your own ideas, and to evaluate those of others. Seminar style discussions are an important component of the class. These skills, which are called for in most English courses, will be exercised at a higher level of complexity in AP English. The reading for the course is grounded in American and British literature, both contemporary and classic. Preparation for the Advanced Placement exam will be ongoing throughout the year.

SOCIAL STUDIES (KNOWLEDGE AND SKILLS)

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Proficiencies: (3.5 proficiency credits of Social Studies coursework expected to attain proficiency):

Social Studies (Knowledge and Skills) (evidence of proficiency required in all areas at intermediate benchmark)	
Geography	Student demonstrates knowledge of the Earth's physical and human features and appreciates the interconnected impact of the relationship between self and the environment of a diverse world.
Economics	Student makes informed economic decisions using an understanding of how individuals, businesses, communities and governments make decisions about the allocation of resources, and understands the consequences of such decisions.
Civics	Student demonstrates civic engagement as a global citizen when addressing public concerns individually and collaboratively to maintain, strengthen, and improve communities, societies, and governments.
History	Student uses historical inquiry to gather information that enables them to make sense of human interactions in the past, the present and make decisions about the future.

Course Offerings:

Yearly Offerings	Alternating Year Offerings (20-21)	Alternating Year Offerings (21-22)
*Global Studies 9 A and B (9: year course)	The Middle Ages to the French Revolution: How the Western World Woke Up (11-12)	Modern Global Social Issues (11-12) FORMERLY: Modern American Social History (MASH)
*US History A and B (10: year course)	Psychology (11-12)	Sociology (11-12)
*US Government and Politics (11-12)	Big History: A History of the World from the Big Bang to the Present (11-12)	VT History (11-12)
Economics (11-12)	Nazi Germany and the Holocaust: A Case Study in Tyranny (11-12)	American Military History A - 1750-1900 (11-12)
American Studies: SS A and B (11-12: year course)	AP European History A and B (11-12: year course)	American Military History B - 1900-present (11-12)
Guided Learning Opportunity (GLO) Social Studies (10-12)		AP US History A and B (11-12: year course)
Independent Learning Opportunity (ILO) Social Studies (9-12)		
VHS Social Studies		
Dual Enrollment Social Studies		

*required course

GLOBAL STUDIES A - 409000 (Part of 9th grade teaming structure)

GLOBAL STUDIES B - 409001 (Part of 9th grade teaming structure)

Benchmark: Intermediate

Content Proficiencies: History, Civics, Geography, Economics

Transferable Skills: Personal Development & Self Awareness, Collaboration,
Global Citizenship, Communication: Reading, Writing,
Speaking & Listening

Prerequisites: none

Grade: 9

Duration: Year-long

Global Study is a one-year course that focuses on the interaction of physical and cultural geography. Students study political, economic and religious ideas as they develop a common vocabulary centered on global issues. Students regularly examine world current events for their historical causes and consequences. Student's share their ideas with the world, through classwork that strengthens their abilities: 1) to demonstrate responsible action by maintaining an organized learning plan and portfolio; 2) to engage in dialogue with others as they seek to understand global issues, and 3) to convincingly propose civic action which they support with logically organized evidence.

UNITED STATES HISTORY A - 410000

UNITED STATES HISTORY B - 410001

Benchmark: Intermediate

Content Proficiencies: History

Transferable Skills: Communication: Writing, Communication: Speaking & Listening,
Personal Development & Self Awareness

Prerequisites: none

Grade: 10

Duration: Year-long

This course is driven by themes and essential questions that give focus as we explore the development of the United States of America from 1607 to 1989. We will analyze the people who explored, colonized, and established the United States of America and how the American culture, political system, and economy have developed over time.

AMERICAN STUDIES: SS A - 411000 (concurrent enrollment with American Studies A)

AMERICAN STUDIES: SS B - 411001 (concurrent enrollment with American Studies B)

Benchmark: Advanced

Content Proficiencies: History

Transferable Skills: Personal Development & Self Awareness, Collaboration,
Communication: Writing, Reading, Speaking & Listening

Prerequisites: US History and English 10 *10th graders with approval from instructors.

Grade: 11-12*

Duration: Year-long

This course is an interdisciplinary study of twentieth century history, literature and culture. The course utilizes a variety of educational methods, including open classroom, collaborative groups and traditional approaches, to present an integrated view of the American experience in the twentieth century. Students read novels, plays, poems and narrative accounts of each time period in the century, use primary sources for historic study, listen to music and look at examples in the visual arts from each era. Students read, write, and discuss extensively as well as engage in collaborative projects that explore various aspects of the twentieth century.

U.S. GOVERNMENT AND POLITICS - 412020

Benchmark: Advanced

Content Proficiencies: Civics

Transferable Skills: Personal Development & Self Awareness,
Communication: Writing, Reading

Prerequisites: US History or American Studies

Grade: 11-12

Duration: Semester

The goal of U.S. Government and Politics is to sufficiently prepare today's students to succeed as stewards of tomorrow's world. US Government & Politics is a one-semester exploration of constitutional underpinnings, civil liberties and civil rights, political culture and socialization, citizen participation and influence, political institutions and policy making that are the foundation of modern U.S. government and politics. The course meets the Mount Abraham graduation requirement for Civics, and prepares students to meet their obligations as an active citizen in our democratic republic.

****Students may take this course for AP Credit in the fall in order to prepare for taking the AP US Government and Politics exam in the spring. Students who elect this option will attend the same classes, participate in the same activities, and complete the same assignments as their classmates who elect the standard version of the course. In addition to this, AP students will be required to complete additional readings and extension assignments, as well as to participate in a weekly (or biweekly) seminar discussion during FIT Block. Students who elect the AP option may take this course for college credit (if approved).*

ECONOMICS - 411020

Benchmark: Advanced

Content Proficiencies: Economics, Civics, Geography, History

Transferable Skills: Personal Development & Self Awareness, Problem Solving, Communication: Reading

Prerequisites: US History

Grade: 11-12

Duration: Semester

The objective of this course is to master fundamental economic concepts. This course emphasizes analysis of the American economic system as it relates to the individual and other economics systems. Specific units will explore microeconomic issues such as the law of supply and demand, factors of production, and the business cycle. Macroeconomics issues will include money and banking, monetary and fiscal policy, international trade and comparative economic systems. We will touch on the history of economic thought as well as current economic issues. The current uncertainty regarding the economy makes for an exciting and challenging course for all of us.

GUIDED LEARNING OPPORTUNITY (GLO) SOCIAL STUDIES A - 910032

GUIDED LEARNING OPPORTUNITY (GLO) SOCIAL STUDIES B - 910033

Benchmark: Flexible

Content proficiencies: Determined Upon Enrollment

Transferable skills: Determined Upon Enrollment

Prerequisites: (do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior Social Studies course, 2.5 or below academic grade in prior Social Studies course, Tier 2 or 3 team recommendation

Grade: 10-12

Duration: Semester

Can be repeated.

A GLO in Social Studies is an opportunity to practice and improve global citizenship skills while studying a topic of choice. A GLO provides extra support and guidance as the student practices personalized learning skills. Student must have an interest to work independently. Off-site time with a community mentor is strongly encouraged.

INDEPENDENT LEARNING OPPORTUNITY (ILO) SOCIAL STUDIES A - 909031

INDEPENDENT LEARNING OPPORTUNITY (ILO) SOCIAL STUDIES B - 909038

Benchmark: Intermediate

Content proficiencies: Civics, Economics, Geography, History

Transferable skills: Determined Upon Enrollment

Prerequisites: (must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior Social Studies course, 3.0 or above in academic prior Social Studies course, Junior or Senior in good standing in Eagle Challenge Program

Grade: 9-12

Duration: Semester

Can be repeated.

An ILO in Social Studies is an opportunity to practice and improve global citizenship skills while studying a topic of choice. Student must have proven ability to work independently. Off-site time with a community mentor is strongly encouraged.

Alternating Courses: Offered 2021-22

MODERN GLOBAL SOCIAL ISSUES - 410010

Benchmark: Flexible

Content Proficiencies: Geography, History

Transferable Skills: Global Citizenship, Communication: Reading, Speaking & Listening, Personal Development & Self Awareness

Prerequisites: US History

Grade: 11-12

Duration: Semester

This seminar style course asks students to grapple aloud with the leading aspects of modern Global and American social history from the early 1990's to the present. Attention is given to social, cultural and intellectual trends as well as political and economic issues, leadership, and ethical questions. This course also focuses on what is unique in the modern American experience and relates modern American experience to the broader global context. Students learn to form arguments and support them with facts; they learn to communicate coherently and courteously with those who disagree with an aim toward taking action to improve the world.

SOCIOLOGY - 412010

Benchmark: Advanced

Content Proficiencies: Civics, Economics, History

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: none

Grade: 11-12

Duration: Semester

Sociology is one-semester course where you investigate how social systems influence human interactions. Instead of focusing on the brain-body connection as students do in Psychology, you collaborate with classmates to analyze group dynamics. You determine how group structure, individual interactions, inherent social problems and symbolism impact each person's choices and actions. You demonstrate your use of the "sociological perspective" to understand our global society and analyze current events. Considerable effort goes into conducting active, "hands on" research and analyzing group experiences. Collaborative participation in these activities is a key to the class' and your success.

VERMONT HISTORY - 411015

Benchmark: Flexible

Content Proficiencies: History

Transferable Skills: Personal Development & Self Awareness
Communication: Reading, Writing, Speaking & Listening

Prerequisites: US History or American Studies

Grade: 11-12

Duration: Semester

Vermont History is a semester-long course that explores selected topics in the history of our home state from its first settlement by Native Americans, to the present day. While the course will follow a general chronological framework, treating each major historical period in turn, students will be encouraged to explore topics of personal interest to them in any historical period, or across several periods.

AMERICAN MILITARY HISTORY A: 1750 - 1900 - 411012

Benchmark: Flexible

Content Proficiencies: History, Geography

Transferable Skills: Personal Development & Self Awareness
Communication Writing, Speaking & Listening

Prerequisites: US History or American Studies

Grade: 11-12

Duration: Semester

This one-semester elective course provides students the opportunity to explore war as a complex political, social, cultural, and technological phenomenon. The course begins with an introduction to the military art through the examination of a small selection of battles from the ancient world and will continue with an exploration of the American military experience from the American Revolution through the Indian Wars of the latter 19th Century. The American Civil War is a focus of the course.

AMERICAN MILITARY HISTORY B: 1900 - PRESENT - 411011

Benchmark: Flexible

Content Proficiencies: History, Geography

Transferable Skills: Personal Development & Self Awareness

Communication Writing, Speaking & Listening

Prerequisites: US History or American Studies

Grade: 11-12

Duration: Semester

This one-semester elective course provides students the opportunity to explore war as a complex political, social, cultural, and technological phenomenon. The course begins with an introduction to the military art through the examination of a small selection of battles from around the world and will continue with an exploration of the American military experience from World War I to the challenges of global terrorism and cyber warfare today. World War II and Vietnam are both a focus of the course. Students may take this course without taking American Military History A as a prerequisite.

AP UNITED STATES HISTORY A - 412030

AP UNITED STATES HISTORY B - 412031

Benchmark: Advanced

Content Proficiencies: Civics, Economics, Geography, History

Transferable Skills: Global Citizenship, Communication: Writing, Reading,
Personal Development & Self Awareness

Prerequisites: US History or American Studies

Grade: 11-12

Duration: Year-long

Advanced Placement US History is a full year, one credit course that surveys American History from the Age of Exploration up to the 21st century. The course is structured so that the student can successfully prepare to take the AP US History exam in May. Through this course, students will be provided with practical knowledge of U.S. history, practice in critical thinking activities and experience in effective writing techniques that will better prepare them not only for the AP exam but also for their future educational aspirations

Alternating Courses: Offered 2020-21

PSYCHOLOGY - 412000

Benchmark: Advanced

Content Proficiencies: History

Transferable Skills: Personal Development & Self Awareness, Problem Solving,
Communication: Writing, Speaking & Listening

Prerequisites: none

Grade: 11-12

Duration: Semester

The field of brain research is exploding. In Psychology, we take the first steps toward understanding the mind boggling connections within our brains and through our bodies. Your brain exists for you to individually take action in this world, and Psychology class helps you understand why you take those actions. In class, you will help select the most recent research available to uncover the brain discoveries. You will examine how psychology is used in identity development, sports and daily life. You will leave understanding how human senses, emotions and neurological differences create uniquely wonderful human beings.

THE MIDDLE AGES TO THE FRENCH REVOLUTION - 411016

Benchmark: Advanced

Content Proficiencies: Geography, History

Transferable Skills: Communication: Writing, Reading

Speaking & Listening, Personal Development & Self Awareness

Prerequisites: US History *10th graders with approval from instructors.

Grade: 11-12

Duration: Semester

Students will explore the events and cultural exchanges that led to revolutions in thinking and technology. Students will examine how the Western European culture, political systems, and economies developed as a result of the revolutionary events of the 14th-18th centuries.

BIG HISTORY: A HISTORY OF THE WORLD FROM THE BIG BANG TO THE PRESENT - 411017

Benchmark: Intermediate

Grade: 11-12

Content Proficiencies: History

Duration: Semester

Transferable Skills: Global Citizenship, Communication: Writing,
Speaking & Listening, Personal Development & Self Awareness

Prerequisites: US History *10th graders with approval from instructors.

Big History examines our past, explains our present, and imagines our future. It's a story about us: an attempt to grasp history as a whole, using an interdisciplinary approach. The course starts with the Big Bang and then follows the development of the universe, the stars, galaxies, solar systems and planets, with a special focus on life on Earth and the development and progress of civilizations through the present and on into the future. 13.8 billion years of history in one semester! While this course is sure to attract those who love science and technology, it is open to all students with a desire to learn more about how we got here, where we're going, and how we fit in.

NAZI GERMANY AND THE HOLOCAUST: A CASE STUDY IN TYRANNY - 411018

Benchmark: Intermediate

Grade: 11-12

Content Proficiencies: Civics, History

Duration: Semester

Transferable Skills: Communication: Writing,
Speaking & Listening, Personal Development & Self Awareness

Prerequisites: US History *10th graders with approval from instructors.

This course explores the experience of Germany from the end of WWI through the Fall of the Third Reich in 1945, to the resurrection of a democratic state from the ashes of WWII. The course examines the failure of the democratic Weimar Republic that leads to the tyranny of the Nazi regime and the use of power, politics, and propaganda that allows the Nazis to gain and keep control. The Holocaust is a major focus of the course. Other themes of the course include Anti-Semitism, internal German political opposition, Germany's militaristic foreign policy, and Germany's fascist allies. Emphasis will be placed on students' ability to put the Nazi experience in broad historical context and the appreciation of the interaction of culture, economics, and politics.

AP EUROPEAN HISTORY A - 412040

AP EUROPEAN HISTORY B - 412041

Benchmark: Advanced

Grade: 11-12

Content Proficiencies: Civics, Economics, Geography, History

Duration: Year-long

Transferable Skills: Global Citizenship, Communication: Writing,
Speaking & Listening, Personal Development & Self Awareness

Prerequisites: US History or American Studies

Advanced Placement European History is a full year, one credit course that introduces students to European History and develops an understanding of the main themes in modern European history, including political and diplomatic, intellectual and cultural, and social and economic history. The course is structured so that the student can successfully prepare to take the AP European History exam in May. Students will be provided with practical knowledge of European history, practice in critical thinking activities and experience in effective writing techniques that will better prepare them not only for the AP exam but also for their future educational aspirations.

MATHEMATICS (CONTENT & PRACTICES) ([Back to Table of Contents](#))

Proficiencies: (3 proficiency credits of Mathematics expected to attain proficiency):

Mathematics (Content & Practices) (evidence of proficiency required in all areas at intermediate benchmark)	
Mathematical Concepts & Skills	Student demonstrates their knowledge of key mathematical content and skills.
Application of Math Concepts and Skills	Student applies mathematical knowledge and skills to familiar and unfamiliar situations.
Financial Literacy	Student applies reliable information and systematic decision making to personal financial decisions.
Statistical Literacy	Student reads and accurately interprets data presented by the media in the form of statements, surveys, tables and graphs.

Course Offerings:

Yearly Offerings
Bridge to Integrated Math A and B (9-10: full year course)
Integrated Math 1 A and B (9-10: year course)
Integrated Math 2 A and B (9-12: year course)
Integrated Math 3 A and B (10-12: year course)
Pre-Calculus A and B (11-12: year course)
Semester Pre-Calculus (10-12: accelerated semester course)
AP Calculus A and B (11-12: year course)
Statistical Reasoning (11-12)
*Money Matters 1 (11-12)
Money Matters 2 (11-12)
VHS Math
Dual Enrollment Math

*required course

BRIDGE TO INTEGRATED MATH A - 709000**BRIDGE TO INTEGRATED MATH B - 709001****Benchmark:** Novice**Content Proficiencies:** Math Concepts & Skills, Application of Math Concepts & Skills, Statistical Literacy**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none**Grade:** 9-10**Duration:** Year-long

Bridge to Integrated Math is designed to prepare students for the Integrated Math sequence. Students will explore topics in number and quantity, algebra and statistics. Topics of study in this course include: exploring and communicating mathematics; simplifying expressions, solving equations and systems of equations; problem solving; coordinates and functions; proportional thinking; properties of linear functions; and representing data and finding measures of central tendency.

INTEGRATED MATH 1 A - 709010**INTEGRATED MATH 1 B - 709011****Benchmark:** Intermediate**Content Proficiencies:** Math Concepts & Skills and Application of Math Concepts & Skills, Statistical Literacy**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none**Grade:** 9-10**Duration:** Year-long

Integrated Math 1 is a first level course in a core curriculum of high school mathematics. Students will explore topics in number and quantity, algebra and statistics. Topics of study in this course include: exploring and communicating mathematics; simplifying expressions, solving equations and systems of equations; problem solving; coordinates and functions; proportional thinking; properties of linear functions; and representing data and finding measures of central tendency.

INTEGRATED MATH 2 A - 709020**INTEGRATED MATH 2 B - 709021****Benchmark:** Intermediate**Content Proficiencies:** Math Concepts & Skills and Application of Math Concepts & Skills**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** Integrated Math 1; *recommended 2.5 or above Academic grade in Integrated 1***Grade:** 9-12**Duration:** Year-long

Integrated Math II is a second level course in a core curriculum of high school mathematics. Students will explore additional topics in algebra, geometry, and mathematical computation. Topics of study in this course include: extending properties of numbers to include rational and irrational numbers; quadratic and exponential functions and graphs; similarity; transformational geometry; models of change; triangles; special angle relationships.

INTEGRATED MATH 3 A - 709030**INTEGRATED MATH 3 B - 709031****Benchmark:** Advanced**Content Proficiencies:** Math Concepts & Skills and Application of Math Concepts & Skills**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** Integrated Math 2; *recommended 2.5 or above Academic grade in Integrated 2***Grade:** 9-12**Duration:** Year-long

Integrated Math III is a third level course in a core curriculum of high school mathematics. Students will explore additional topics in algebra, geometry, statistics and probability, logical reasoning, and mathematical computation. Topics of study in this course include: exploring and applying functions; polynomial factoring and equation solving; graphing polynomial and exponential functions; sequences and series; experiments, simulations, and statistical parameters; modeling problem situations; right triangle trigonometry; the complex plane.

MONEY MATTERS 1 - 711000**Benchmark:** Advanced**Content Proficiencies:** Application of Math Concepts & Skills, Financial Literacy**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** Integrated Math 1**Grade:** 11-12**Duration:** Semester

Money Matters 1 is a required course needed for graduation. This course focuses on the math that helps us manage our personal finances and the economic context in which financial decisions are made. Instruction will link mathematical procedures to broader economic concepts in addition to maintaining math skills. Topics covered include careers, budgets, paychecks, taxes, banking, investing and credit.

MONEY MATTERS 2 - 711001**Benchmark:** Advanced**Content Proficiencies:** Application of Math Concepts & Skills, Financial Literacy***Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none *Does not meet Financial Literacy graduation requirement**Grade:** 11-12**Duration:** Semester*Semester 2 only.*

Money Matters 2 also focuses on the math that helps us manage our personal finances and the economic context in which financial decisions are made. Topics in this course include stocks, housing, insurance, automobiles, entrepreneurship, and vacations.

PRE-CALCULUS A - 710000**PRE-CALCULUS B - 710001****Benchmark:** Advanced**Content Proficiencies:** Math Concepts & Skills, Application of Math Concepts & Skills**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** Integrated Math 3; *recommended 2.5 or above Academic grade in Integrated 3***Grade:** 11-12**Duration:** Year-long

Pre-calculus blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The primary goal of this course is to expand and reinforce the ability to understand, manipulate, and apply mathematical concepts. Topics of study in this course include: functions and their graphs; polynomial and rational functions; exponential and logarithmic functions; trigonometric functions; analytic trigonometry; additional topics in trigonometry; linear systems; and topics in analytic geometry with conics.

SEMESTER PRE-CALCULUS - 710002 *(meets daily)***Benchmark:** Advanced**Content Proficiencies:** Math Concepts & Skills, Application of Math Concepts & Skills**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** Integrated Math 3A; *recommended 2.5 or above Academic grade in Integrated 3***Grade:** 10-12**Duration:** Semester

Semester Pre-Calculus is a math course designed for students who want to accelerate their math learning after the first semester of IM3. This course will cover all of the topics of Pre-Calculus plus the remaining IM3 learning targets in a semester versus a year. For that reason, this course will meet DAILY second semester.

Ideal candidates for this course should have routinely met or exceeded the standards in both Integrated II and the first semester of Integrated III. Students in this course should have a strong interest in completing AP Calculus or other upper level math electives before graduation.

STATISTICAL REASONING - 712001

Benchmark: Advanced

Content Proficiencies: Application of Math Concepts & Skills, Statistical Literacy

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Integrated Math 3

Grade: 11-12

Duration: Semester

Data, Data, Data, it is everywhere! Smartphones and Fitbits can collect data continuously. Phone Apps are even created to help the user or an organization collect data. In this course students explore how statistics can be used to impact business, environmental, and personal decisions. Students will learn skills essential for understanding and interpreting statistics. We will interpret and critique statistics in the media and explore the major concepts and tools for gathering, analyzing and interpreting data. This course is a great introduction to statistics for students pursuing further education in psychology, business, education, or social sciences as well as math and science.

AP CALCULUS A - 711010 *(meets daily first semester)*

AP CALCULUS B - 711011

Benchmark: Advanced

Content Proficiencies: Math Concepts & Skills, Application of Math Concepts & Skills

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Pre-Calculus; *recommended 2.5 or above Academic grade in Pre-calculus*

Grade: 11-12

Duration: Year-long

This rigorous course is designed for students who want to continue their study of mathematics at an advanced level. Students considering a career in science, mathematics or engineering are encouraged to enroll in this course. Calculus focuses on limits and continuity as well as concepts and applications of derivatives and integrals. Students may receive college credit or advanced college placement for high scores on the AP exam given each May.

AP Calculus is intended for students who have a comfortable working knowledge of college preparatory mathematics, including algebra and trigonometry. In line with the calculus reform movement, conceptual understanding will be stressed throughout the course. The expectations are similar to those of a college-level course, therefore students are expected to devote at least as much time outside of class to the course as the time spent in class. This courses will meet for a full block daily during first semester and every other day during second semester.

SCIENCE (INQUIRY & CONTENT KNOWLEDGE) ([Back to Table of Contents](#))

Proficiencies (3 proficiency credits of Science is expected to attain proficiency):

Science (Inquiry & Content Knowledge) (evidence of proficiency required at the intermediate benchmark for all areas)	
Physical Sciences	Student recognizes and analyzes matter, reactions, energy, characteristics of waves and physical systems.
Life Sciences	Student recognizes and analyzes molecular, structural, and chemical biology; the characteristics, functions, and behavioral interactions within an ecosystem and genetics, adaptation, and biodiversity.
Earth & Space Sciences	Student recognizes and analyzes Earth's systems and the origins, interactions and relationships between and among the Earth, our solar system and the universe.
Scientific Inquiry	Student engages in scientific investigations through the disciplinary core ideas using inquiry practices.

Course Offerings:

Yearly Offerings	Alternating Year Offerings (20-21)	Alternating Year Offerings (21-22)
*Foundational Science A & B (9: full year course)	Biology of Foods (10-12)	Vermont Ecology (10-12)
*Biology A & B (9-12: year course)	Forensic Science (10-12)	Energy, Pollution, and Climate Change (10-12)
Physics A & B (10-12: year course)	Astronomy (10-12)	Humans and the Natural World (10-12)
Chemistry 1 A & B (9-12: year course)	Human Anatomy & Physiology (10-12)	Human Anthropology (10-12)
Science in the News (9-12)		
Second Year Chemistry A & B (10-12: year course)		
AP Biology A & B + Lab A & B (11-12)		
Guided Learning Opportunity (GLO) Science (10-12)		
Independent Learning Opportunity (ILO) Science (9-12)		
VHS Science		
Dual Enrollment Science		

*required course

FOUNDATIONAL SCIENCE A - 1009000

(Part of 9th grade teaming structure)

FOUNDATIONAL SCIENCE B - 1009001

(Part of 9th grade teaming structure)

Benchmark: Novice**Grade:** 9**Content Proficiencies:** Life Science, Physical Science, Earth & Space Science, Science Inquiry**Duration:** Year-long**Transferable Skills:** Personal Development & Self Awareness, Problem Solving, Collaboration, Communication: Writing & Reading**Prerequisites:** none

What is science? In this course, you will explore the principles of science and understand the importance of the scientific method in evidence-based decision making, as well as cultivate a greater understanding of the world around you. This course will prepare you to delve into upper level science by providing you with the knowledge and skills in each of the four science content areas (biology, chemistry, physics, and earth/space science). Focus will be on fundamental skills such as experimental design, scientific writing, the use of the metric system, and scientific notation.

BIOLOGY A: BASIC THEMES - 1010000**BIOLOGY B: SECRETS OF LIFE - 1010001****Benchmark:** Intermediate**Grade:** 9-12**Content Proficiencies:** Life Science, Physical Science, Science Inquiry**Duration:** Year-long**Transferable Skills:** Personal Development & Self Awareness, Communication: Writing, Reading**Prerequisites:** Foundational Science or *9th graders with approval from instructors.

Biology A is a foundational course to allow you to further your life science studies. You will learn about the nature and practice of science and design and carry out your own inquiry study. You will explore life by looking at the vast variety of life forms, gaining an appreciation for the diversity of life, and investigate the question, "What is life, biologically speaking?" In the Biochemistry unit, you will learn about the building components of life and the chemical reactions that make life possible. Get excited for exploring life in Biology A.

In Biology B, you will learn about cells, their structure and the processes that occur inside of them. You will also investigate how cells reproduce, with a special look at how meiosis cell division is the key to genetic variety. You will then study the fundamentals of genetics. The structure and function of DNA and how proteins are made will be a major focus. With a foundation in genetics, we will then investigate evolution topics to further understand the unity and diversity of life. The final unit of study will be Ecology, in which all biology topics will merge, and spring weather will lead us outside to observe life first hand.

PHYSICS IA - 1010040**PHYSICS IB - 1010041****Benchmark:** Advanced**Grade:** 11-12**Content Proficiencies:** Physical Science, Science Inquiry**Duration:** Year-long**Transferable Skills:** Problem-Solving**Prerequisites:** Foundational Science and Integrated 2 Math.

In this course you will use class investigations to explore how matter and energy interact in the universe. Topics will include: One- and Two-Dimensional Motion, Newton's Laws of Motion, Conservation of Momentum, Thermodynamics, and Electromagnetism. Students signing up for this course should be prepared to work outside of class, to be an independent learner willing to complete outside readings, practice assignments and meet with the teacher as needed to understand material that at times can be difficult. Successful physics' students should enjoy applying what they have learned in math to understand the physical properties of the universe we live in.

CHEMISTRY 1A: OUR CHEMICAL WORLD - 1009010**CHEMISTRY 1B: A CLOSER LOOK AT ATOMS - 1009011****Benchmark:** Intermediate**Content Proficiencies:** Physical Science, Science Inquiry**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none**Grade:** 10-12**Duration:** Year-long

Chemistry 1 A is a study of the materials of the known universe, explaining their composition and behavior. Chemistry 1A starts with a study of water and the many materials that dissolve in it. Students learn how to write and interpret chemical formulas and equations. They study the relationship between atomic structure and the properties of materials. Students start lab work early in the course, as it is integrated throughout the program.

Chemistry 1 B includes a further study of the relationship between atoms and the properties of materials, including how the periodic table organizes information about atomic structure and the properties of elements. The study of common materials continues with a detailed study of air and other gases, radioactivity, and modern ideas of atomic structure.

SCIENCE IN THE NEWS - 1010025**Benchmark:** Flexible**Content Proficiencies:** Determined Upon Enrollment**Transferable Skill:** Determined Upon Enrollment**Prerequisites:** none**Grade:** 9-12**Duration:** Semester*Can be repeated.*

Science in the News is a course that focuses on new discoveries in the world of science! As current and future consumers of the media, it is important that you be able to understand science concepts that we as a society will need to grapple with and make decisions about. This course is about you and what gets you excited in the world of science. We will focus on reading, writing and discussing science topics in the news--and YOU get to choose these topics! With guidance, you will develop projects based on current scientific news stories that interest you. Importantly, this is a flexible course that will allow you to select the Science Proficiencies and Transferable Skills that you want to show your proficiency in.

SECOND YEAR CHEMISTRY A - 1010030**SECOND YEAR CHEMISTRY B - 1010031****Benchmark:** Flexible**Content Proficiencies:** Physical Science, Science Inquiry**Transferable Skills:** Personal Development & Self Awareness, Problem Solving**Prerequisite:** Chemistry 1**Grade:** 10-12**Duration:** Year-long

Students take a second year of chemistry for a variety of reasons. Therefore the topics studied may vary. The usual course of study uses the first part of Chemistry and Chemical Reactivity by Krotz, Treichel and Weaver, a standard college textbook. The topics include a review of elements, compounds and the periodic table; an overview of the development of the Bohr-Rutherford model of the atom; qualitative and quantitative information from chemical equations; precipitation, redox, and acid-base reactions in solution, and energy changes during chemical reactions. There is a CD available to explain many topics interactively and standard experiments are included as appropriate.

AP BIOLOGY CLASS A - 1011040**AP BIOLOGY CLASS B - 1011041****Benchmark:** Advanced**Content Proficiencies:** Life Science, Science Inquiry**Transferable Skills:** Personal Development & Self Awareness, Reading**Prerequisites:** Foundational Science, Biology, Chemistry**AP BIOLOGY LAB A - 1011042** (double block)**AP BIOLOGY LAB B - 1011043** (double block)**Grade:** 11-12**Duration:** Year-long

The purpose of this course is to give you a solid technical understanding of the major ideas in Biology. Near the end of the course, you may take a national exam that may qualify you for college credit or placement out of entry-level college courses. We will explore evolution and the molecular basis of life in semester 1. Metabolism and ecology are major topics in semester 2. Learning will occur via traditional classroom modalities and significant student inquiry in the lab. This college level course proceeds at a fast pace and enrolled students should be prepared to dedicate at least 1 hour per night to completing assignments, reading and self-study.

GUIDED LEARNING OPPORTUNITY (GLO) SCIENCE A - 910034

GUIDED LEARNING OPPORTUNITY (GLO) SCIENCE B - 910035

Benchmark: Intermediate

Content proficiencies: Earth & Space Science, Life Science, Physical Science, Inquiry

Transferable Skills: Determined Upon Enrollment

Prerequisites: (do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior Science course, 2.5 or below academic grade in prior Science course, Tier 2 or 3 team recommendation

Grade: 10-12

Duration: Semester

Can be repeated.

A GLO in Science is an opportunity to practice and improve scientific inquiry while studying a topic of choice. A GLO provides extra support and guidance as the student practices personalized learning skills. Student must have an interest to work independently. Off-site time with a community mentor is strongly encouraged.

INDEPENDENT LEARNING OPPORTUNITY (ILO) SCIENCE A - 909032

INDEPENDENT LEARNING OPPORTUNITY (ILO) SCIENCE B - 909036

Benchmark: Intermediate

Content proficiencies: Earth & Space Science, Life Science, Physical Science, Inquiry

Transferable Skills: Determined Upon Enrollment

Prerequisites: (must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior Science course, 3.0 or above in academic prior Science course, Junior or Senior in good standing in Eagle Challenge Program

Grade: 9-12

Duration: Semester

Can be repeated.

An ILO in Science is an opportunity to practice and improve scientific inquiry while studying a topic of choice. Student must have proven ability to work independently. Off-site time with a community mentor is strongly encouraged.

Alternating Course: Offered 2021-22

VERMONT ECOLOGY - 1011011

Benchmark: Intermediate

Content Proficiencies: Life Science, Science Inquiry

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Communication: Speaking & Listening

Prerequisites: Biology

Grade: 10-12

Duration: Semester

In Vermont Ecology, explore and learn about the Vermont ecosystem and the current environmental issues in the state. This course will focus on both freshwater aquatic and terrestrial ecosystems. Students will learn about the history of the Vermont ecosystem and explore the current state of Lake Champlain and feeding watersheds and the Vermont forest through hands-on environmental monitoring methods. After becoming more informed, get ready to discuss the future of Vermont and form opinions about current management and issues. Develop a plan to move our state forward.

ENERGY, POLLUTION AND CLIMATE CHANGE -1011021

Benchmark: Advanced

Content Proficiencies: Earth & Space Science, Science Inquiry

Transferable Skills: Personal Development & Self Awareness, Global Citizenship

Prerequisites: Foundational Science and Biology

Grade: 10-12

Duration: Semester

In this course you will explore how the growing energy needs of human populations are currently met using a variety of techniques, and you will assess the long-term viability and effects of these methods to understand their impact on the environment and human populations. You will also explore the causes and effects of pollution as well as develop your engineering skills by exploring ways to avoid or solve these problems. You will also study the causes and impacts of global climate change.

You may enroll in this course as a stand-alone, one semester course, or it can be combined with Humans and the Natural World (Advanced Environmental Science 1) to prepare you for the AP Environmental Science exam.

HUMANS AND THE NATURAL WORLD - 1011020

Benchmark: Advanced

Grade: 10-12

Content Proficiencies: Earth & Space Science, Science Inquiry

Duration: Semester

Transferable Skills: Personal Development & Self Awareness, Global Citizenship

Prerequisites: Foundational Science and Biology

In this course, you will explore Earth systems and resources, the interconnectivity of the living world, population dynamics, and issues of land and water use. You will tackle the concepts of geology, atmospheric circulation, water resources, and soil dynamics. You will also gain a deeper understanding of plate tectonics and ecosystem structures, as well as how these processes affect humans and the environment. Additionally, you will explore nutrient cycling, water and land use, and how an ever-growing human population puts pressure on natural resources.

You may enroll in this course as a stand-alone, one semester course, or it can be combined with Energy, Pollution, and Climate Change (Advanced Environmental Science 2) to prepare you for the AP Environmental Science exam.

HUMAN ANTHROPOLOGY - 1011010

Benchmark: Advanced

Grade: 11-12

Content Proficiencies: Life Science

Duration: Semester

Transferable Skills: Personal Development & Self Awareness,
Communication: Writing, Collaboration

Prerequisites: Biology or permission from instructor

In this course, students will explore what it means to be human by learning about humans and their ancestors over the past 7 million years. Students will learn about the evolution of human structure and function, looking deeply at the human brain and what makes humans so different from other species. Students will then explore modern human culture and human social interaction and behavior to finally consider the future of the human species. Other topics covered are evolution of Earth, archeology, and human survival (tool-making, fire building).

Alternating Course: Offered 2020-21

BIOLOGY OF FOODS: FROM FARM TO PLATE - 1010010

Benchmark: Flexible

Grade: 10-12

Content Proficiencies: Life Science, Science Inquiry

Duration: Semester

Transferable Skills: Personal Development & Self Awareness, Problem Solving,
Communication: Speaking & Listening

Prerequisite: Foundational Science, Biology

This course will take a closer look at the biology of food from the farm all the way to your dinner plate. Students will define food and explore the biochemistry of food and nutrition through hands-on explorations and cooking activities. Students will cultivate the Mt. Abe gardens and learn about the history and current practices in world food production and transport, exploring the benefits and consequences of these practices. After learning about sustainable agricultural practices, students will focus on a food related issue and develop a plan to improve or solve the problem. Be prepared to get your hands dirty, eat some yummy food, and engage in learning.

ASTRONOMY - 1010050

Benchmark: Intermediate

Grade: 10-12

Content Proficiencies: Earth & Space Science, Science Inquiry

Duration: Semester

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Foundational Science

Come find your place in the Universe! Astronomy is a semester-long course that will give students a general introduction to the mysteries of the cosmos. In this course, we will identify objects in the night sky, use telescopes to make day and night observations, learn about our connection to the stars, and more. We will gain this understanding through activities, labs, projects, and the use of our planetarium.

FORENSIC SCIENCE - 1011000**Benchmark:** Intermediate**Content Proficiencies:** Life Science**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** Biology**Grade:** 10-12**Duration:** Semester

Students will learn selected techniques used in forensic investigations. They will apply those techniques to crime scene and evidence analysis. The course will include the history of forensic science, laboratory exercises in evidence collection, analysis, and the application of forensic techniques in fiction.

HUMAN ANATOMY AND PHYSIOLOGY - 1011035**Benchmark:** Flexible**Content Proficiencies:** Life Science, Science Inquiry**Transferable Skills:** Personal Development & Self Awareness, Collaboration,
Communication: Writing, Speaking & Listening**Prerequisites:** Foundational Science and Biology**Grade:** 10-12**Duration:** Semester

This course will take a closer look at one of the most fascinating subjects possible—your own body. You'll find it helpful to learn about the workings of your body to appreciate emerging discoveries in genetic engineering, to understand new techniques for detecting and treating disease, and to make use of published facts on how to stay healthy. If you are preparing for a career in the health sciences, the study of anatomy and physiology is essential. Note: Limited dissections will be a learning tool in this course, but are not required. Alternatives will be provided for students who opt out.

PHYSICAL EDUCATION ([Back to Table of Contents](#))

Proficiencies (1.5 proficiency credits of PE required for graduation):

Physical Education (evidence of proficiency required in all areas at the intermediate benchmark)	
Movement Skills and Knowledge Application	Student demonstrates competency in a variety of motor skills and movement patterns and applies knowledge of concepts, principles, strategies and tactics related to movement and performance.
Fitness Skills and Knowledge	Student demonstrates the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness.
Affective Qualities and Social Interaction	Student promotes the success of self and others by demonstrating responsible personal and social behavior that values physical activity for enjoyment, challenge, self-expression, and social interaction.

Course Offerings:

Yearly Offerings
*PE Level 1 A and B (9: year course)
PE Level 2 (10-12)
Beyond the Gym (9-12)
Personal Fitness (10-12)
Personal Fitness Before School (10-12)

*required course

PHYSICAL EDUCATION LEVEL 1 A - 809000**PHYSICAL EDUCATION LEVEL 1 B - 809001****Benchmark:** Intermediate**Grade:** 9**Content Proficiencies:** Fitness Skills & Knowledge, Movement Skills & Knowledge,
Application, Affective Qualities & Social Interactions**Duration:** Year-long**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none

Physical Education Level 1 A/B is a year-long course required of all freshmen. Each student must take 1.5 years of physical education in order to meet the graduation requirements. Over the year students will participate in a variety of traditional sports, swim, and lifetime fitness activities. Completion of PE Level 1 A and PE Level 1 B along with PE Level 2 or Personal Fitness will fulfill PE content area proficiency graduation requirements for the class of 2020 and beyond.

PHYSICAL EDUCATION LEVEL 2 - 810000**Benchmark:** Intermediate**Grade:** 10-12**Content Proficiencies:** Fitness Skills & Knowledge, Movement Skills & Knowledge
Application, Affective Qualities & Social Interactions**Duration:** Semester**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** PE Level 1

Physical Education Level 2 is a semester long course and is open to students who have completed PE Level 1 A & PE Level 1 B. Each student must have 1.5 years of physical education in order to meet the graduation requirements. During the semester students will participate in approximately six to eight activities, which include aquatics, team, individual, and lifetime activities. Students will focus on improving their individual fitness level throughout the semester. This class, along with successful completion of prerequisites PE Level 1 A and PE Level 1 B, fulfills Physical Education content area proficiency graduation requirements for the class of 2020 and beyond.

BEYOND THE GYM - 810004**Benchmark:** Flexible**Grade:** 10-12**Content Proficiencies:** Fitness Skills & Knowledge, Movement Skills & Knowledge
Application, Affective Qualities & Social Interactions**Duration:** Semester**Transferable Skills:** Personal Development & Self Awareness*Can be repeated 3x.***Prerequisites:** The student must have previously completed PE Level 1 A & B or attained prior permission from the instructor to take this course.

Are you looking for a more flexible and personalized Physical Education course? Would you like to design your own fitness plan and use physical activities you enjoy doing outside of the school day, like school sports, as part of your Physical Education coursework? Using google classroom and periodic in-person meetings with the course instructor, Beyond the Gym, enables you to complete one semester of physical education outside the traditional gym class walls while having the support of a licensed PE teacher here at Mt. Abe.

PERSONAL FITNESS - 810001**Benchmark:** Advanced**Grade:** 10-12**Content Proficiencies:** Fitness Skills & Knowledge, Movement Skills & Knowledge
Application, Affective Qualities & Social Interactions**Duration:** Semester**Transferable Skills:** Personal Development & Self Awareness*Can repeat course.***Prerequisites:** PE Level 1

Personal Fitness is a semester long course and is open to students who have completed PE Level 1 A and PE Level 1B. Personal Fitness is a course based on exercise physiology principles. Topics of study are: energy balance, strength training, cardio-respiratory training, nutrition, body composition and fitness plan design. Students participate in and create individual and group workouts while studying various forms of fitness training and current trends in fitness. Class may meet outside the school day. Classes are held at Bristol Health & Fitness. Students must purchase a Bristol Health & Fitness membership. This class, along with successful completion of PE9A and PE9B, fulfills Physical Education content area proficiency graduation requirements for the class of 2020 and beyond.

PERSONAL FITNESS (BEFORE SCHOOL) - 810002

Benchmark: Advanced

Content Proficiencies: Fitness Skills & Knowledge, Movement Skills & Knowledge
Application, Affective Qualities & Social Interactions

Transferable Skills: Personal Development & Self Awareness

Prerequisites: PE Level 1

Grade: 10-12

Duration: Semester
Can repeat course.

This class will meet before school from 7:00 am to 8:00 am at Bristol Health & Fitness. Personal Fitness is a semester long course and is open to students who have completed PE Level 1 A and PE Level 1 B. Personal Fitness is a course based on exercise physiology principles. Topics of study are: energy balance, strength training, cardiorespiratory training, nutrition, body composition, and fitness plan design. Students participate in and create individual and group workouts while studying various forms of fitness training and current trends in fitness. Classes are held at Bristol Health & Fitness. Students must purchase a Bristol Health & Fitness membership. This class, along with successful completion of PE Level 1 A and PE Level 1 B, fulfills PE content area proficiency graduation requirements for the class of 2020 and beyond.

HEALTH EDUCATION ([Back to Table of Contents](#))

Proficiencies: (0.5 proficiency credits of Health Education is expected for graduation)

Health Education (evidence of proficiency required in both areas at intermediate benchmark)	
Health Concepts	Student comprehends concepts related to health promotion and disease prevention to enhance health.
Health Skills	Student demonstrates the ability to practice health enhancing behaviors and skills to avoid or reduce risks.

Course Offerings:

Yearly Offerings
*Health and Wellness (1 semester)
VHS Health (1 semester) - with school permission

*required course

HEALTH AND WELLNESS - 810013

Benchmark: Advanced

Content Proficiencies: Health Skills, Health Concepts

Transferable Skills: Personal Development & Self Awareness,
Communication: Speaking & Listening

Prerequisites: none

Grade: 10-12

Duration: Semester

In Health and Wellness you will study the topics of relationships, reproduction, drugs/alcohol, addiction, and media literacy. You may also learn about nutrition, CPR/AED training, mental health, eating disorders, stress management, and other health topics. Through research, activities, and discussions you will learn in depth, accurate information you can then use to make appropriate decisions regarding these topics and your life. This is a semester long course required for graduation.

ARTISTIC EXPRESSION ([Back to Table of Contents](#))

Proficiencies (1 proficiency credit of Art is expected to attain proficiency):

Artistic Expression (evidence of proficiency required in all areas at the intermediate benchmark)	
Creating	Student conceives and develops new artistic ideas and work.
Performing/Presenting	Student realizes artistic ideas and works through interpretation and presentation.
Responding/Reflecting	Student recognizes and evaluates how the arts convey meaning, relating artistic ideas and work with personal meaning and external context.

Course Offerings:

Visual Arts Offerings	Music Offerings
Introductory Art (9-12)	Learn Guitar (9-12)
Digital Photography (9-12)	Band A and B (9-12: year course)
Ceramics 1 (9-12)	Performing Chorus A and B (9-12: year course)
Ceramics 2 (10-12)	Piano Class (9-12)
Drawing and Painting (10-12)	Music and Media (9-12)
Jewelry Design 1 (9-12)	Music Department Leadership Development (9-12)
AP Studio Art and Design A and B (11-12: year course)	Jazz Ensemble (before school) A and B (9-12: year course)
Alternating Year Offerings (20-21)	A Cappella (before school) (9-12: year course)
Studio Exploration (9-12)	
Art and Technology (9-12)	
Alternating Year Offerings (21-22)	
Calligraphy (9-12)	
Art, Power, and Politics (10-12)	
Jewelry Design 2/Metalsmithing (10-12)	

VISUAL ARTS

INTRODUCTORY ART - 309000

Benchmark: Intermediate

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none (*This is a prerequisite for several advanced art courses.*)

Grade: 9-12

Duration: Semester

Introductory Art introduces the other visual art classes through a series of projects that include color, design, drawing and painting. The goal of the class is to learn techniques and concepts using a variety of art media. Introductory Art is a prerequisite for several other art classes.

DIGITAL PHOTOGRAPHY - 1009020

Benchmark: Flexible

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness,

Communication: Speaking & Listening

Prerequisites: none

Grade: 9-12

Duration: Semester

Can be repeated 2x.

This course gives students an introduction to the basic principles of photography, including both the artistic and technical aspects of the craft.

CERAMICS I - 309010

Benchmark: Intermediate

Content Proficiencies: Creating, Performing/Presenting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

Ceramics I is an introduction to basic methods of clay construction (coil, pinch, and slab). Through the construction of three-dimensional projects, students will develop knowledge of the properties of clay, hand-building methods, sculpture, firing methods and glaze application.

JEWELRY DESIGN I/METALSMITHING - 309015

Benchmark: Intermediate

Content Proficiencies: Creating, Performing/Presenting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

Jewelry design is an exciting way for students to show their creativity. Students will learn techniques used by various cultures to make jewelry and they will produce handmade jewelry using brass, copper, and sterling silver. The pieces they create may include earrings, rings, bracelets, necklaces, pendants and belt buckles. Students will become proficient in using hand tools and soldering techniques.

DRAWING AND PAINTING - 310001

Benchmark: Intermediate/Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Introductory Art

Grade: 10-12

Duration: Semester

Can be repeated 2x.

Do you love art? Are you interested in developing your drawing and painting skills? Would you like to spend time with a group of students with similar artistic interests? If so, this class is for you. During the first half of this semester-long class we'll concentrate on increasing our drawing skills, learning to draw a variety of subjects from observation. The second half will be spent addressing both the technical and expressive aspects of working with paint and color. *This course is helpful for building an art portfolio and is a prerequisite for Advanced Placement Art and Design.*

CERAMICS 2 - 310015

Benchmark: Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Ceramics 1

Grade: 10-12

Duration: Semester

Can be repeated 2x.

Ceramics 2 is a continuation of the exploration of the craft and art of clay. This class is intended for students committed to gaining independence, skill and knowledge in the field. Students will apply glazes and alternative surface treatments. Projects will include construction of various vessels and expressive sculptural forms.

AP STUDIO ART & DESIGN A - 311000

AP STUDIO ART & DESIGN B - 310020

Benchmark: Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness, Collaboration

Prerequisites: At least three high school visual arts classes or permission of the teacher leader.

Grade: 11-12

Duration: Year-long

Can be repeated 2x.

AP Studio Art is an intensive course that addresses advanced concepts in drawing, painting and beyond. It is designed for students who want to continue their study of art at an advanced college level and who may be considering a career in art. The AP Studio Art program offers a choice of three different portfolios: Drawing, 2-D Design, and 3-D Design. In this course students are expected to perform at an advanced skill level while taking the initiative to develop their own commitments to content and personal voice. Each student designs a concentration focused on a particular visual concern in which he or she has a compelling interest, and explores and develops a body of work. A substantial amount of work is required outside of class. At the conclusion of the course students are expected to submit an extensive portfolio for evaluation.

Alternating Course: Offered 2020-21

STUDIO EXPLORATION - 309021

Benchmark: Intermediate

Content Proficiencies: Creating, Performing/Presenting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

Studio Exploration is a hands-on class where students will explore creating works of art in a variety of art media. Materials may include paper, fiber, wax, dyes, glass, wire, etc. to create collage work, block prints, felted crafts, handmade paper and books, batik, silk paintings, etc.

ART AND TECHNOLOGY - 310002

Benchmark: Intermediate/Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting,
Design and Problem Solving, Technology and Machine Operation

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: Intro Art, Intro to CAD, Intro to Woodworking, Intro to Industrial Technology suggested but not required

Grade: 9-12

Duration: Semester

The connection between Art and Technology is rapidly growing and igniting creativity like never before. In this course, you will design your own Art and Technology integration by choosing projects that will utilize Technology to create Art. For example, you may choose to pursue metal sculpture. In this case you would learn about the artistic components, as well as learn to weld, and ultimately create your own metal sculpture that you have designed following the design process. Or perhaps you would like to create art using a laser cutter, or computer controlled metal torch. The opportunities are almost limitless.

Alternating Course: Offered 2021-22

CALLIGRAPHY - 309005

Benchmark: Intermediate

Content Proficiencies: Creating, Performing/Presenting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

Can be repeated 2x.

Calligraphy is the art of beautiful handwriting. Students will acquire a basic understanding and appreciation of a variety of lettering styles and the necessity of consistent shape, size, slant, and spacing. Practice and patience are the keys for success in this class.

JEWELRY DESIGN II/METALSMITHING - 310020

Benchmark: Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Jewelry Design 1

Grade: 10-12

Duration: Semester

Can be repeated 2x.

The techniques used by today's jewelry makers have changed little since ancient times. It is a fascinating craft and can be pursued as a lifelong career. Students will continue using basic sawing, filing, soldering and stone setting skills and be introduced to enameling, metal etching, and small-scale metal sculpture. By adapting these techniques to their own designs, students will produce professional looking jewelry and art using metal as the primary medium as well as using acrylic.

ART, POWER & POLITICS - 310030

Benchmark: Intermediate/Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness, Global Citizenship

Prerequisites: Introductory Art suggested but not required

Grade: 10-12

Duration: Semester

This is a studio art class focused on how artists use images and type to influence public opinion and motivate people's behavior. Students will research and discuss various artists, both current and historical who have created artwork with civic or social messages. Students will respond visually through their own works of art that have social reform as subject matter.

MUSIC ([Back to Table of Contents](#))

LEARN GUITAR - 309065

Benchmark: Intermediate

Content Proficiencies: Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

Can be repeated 2x.

Hendrix, Slash, Dylan. What do these great musicians have in common? They all learned how to play guitar. This class will teach you the basics of playing guitar. We'll learn how to play those pop songs you've been dying to learn. Equipment will be provided and no previous music knowledge is needed. Although this course is geared for beginners if you want to work on reading music and filling in some gaps this course is for you.

BAND A - 309050**BAND B - 309051****Benchmark:** Intermediate/Advanced**Content Proficiencies:** Creating, Performing/Presenting, Responding/Reflecting**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** none**Grade:** 9-12**Duration:** Year-long*Can be repeated.*

High School Concert Band is a year long course that explores the different styles and compositions of concert band literature. There are school and community related performances that showcase the achievements of the class. Success in this course will be determined by how much a student is willing to put into learning to play an instrument better. Factors that determine success include facility, intonation, tempo, interpretation, technique, tone, dynamics, rhythmic accuracy and pitch accuracy. The proficiency of these factors will be determined through written exams and applied performances. Participation in this ensemble may lead to opportunities in other music opportunities.

PERFORMING CHORUS A - 309030**PERFORMING CHORUS B - 309031****Benchmark:** Intermediate/Advanced**Content Proficiencies:** Creating, Performing/Presenting, Responding/Reflecting**Transferable Skills:** Personal Development & Self Awareness, Collaboration**Prerequisites:** none**Grade:** 9-12**Duration:** Year-long*Can be repeated.*

Students will be exposed to a variety of genres in choral music literature including classical, spirituals, pop, show, folk, and contemporary selections. Through the learning of this repertoire, students will develop a basic understanding of the music language in order to describe and perform the music with the composer's intent. All students are expected to perform in all musical presentations. Vocal performance will be stressed; however, students will work to develop skills in music literacy, sight singing and historical background. Students in Chorus may audition for District and All State Music Festivals.

PIANO CLASS - 309060**Benchmark:** Intermediate**Content Proficiencies:** Creating, Performing/Presenting, Responding/Reflecting**Transferable Skills:** Personal Development & Self Awareness, Problem Solving**Prerequisites:** none**Grade:** 9-12**Duration:** Semester*Can be repeated.*

Students will learn the basic skills needed in order to read and play piano music. Students with previous knowledge will continue working to develop and maintain musical skills. A variety of methods and repertoire books will be used allowing students to work at their own level and pace. In conjunction with playing, students will also learn music theory and composition, and are expected to complete daily homework assignments. This class works to maintain a balance of academic challenge and personal enjoyment.

MUSIC & MEDIA - 309075**Benchmark:** Intermediate**Content Proficiencies:** Responding/Reflecting**Transferable Skills:** Determined Upon Enrollment**Prerequisites:** none**Grade:** 9-12**Duration:** Semester*Can be repeated 2x.*

Music influences everything it is a part of. In some context the music can evoke strong emotions or tell a story. This class will look at how music is chosen and how it's used in different contexts within media. We will look at the difference between an original score versus a soundtrack. We'll also look at how music is used to tell a story and how it can represent certain things. We'll be doing this analysis by watching a variety of different media and analyzing the music within it.

MUSIC DEPARTMENT LEADERSHIP DEVELOPMENT - 309045

Benchmark: Intermediate

Content Proficiencies: Determined Upon Enrollment

Transferable Skills: Determined Upon Enrollment

Prerequisites: none

Grade: 9-12

Duration: Year-long

Can be repeated.

May be taken as an independent study. These students will help keep the music department running smoothly by providing assistance to both the vocal and instrumental directors. They will have the opportunity to learn administrative procedures and impact the course of the music department. Students will plan, organize, and execute Music Department events.

JAZZ ENSEMBLE A - 309054 (meets before school)

JAZZ ENSEMBLE B - 309055 (meets before school)

Benchmark: Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Audition

Grade: 9-12

Duration: Year-long

Can be repeated.

Have you wanted to play some great music and take fun trips? The members of the jazz ensemble have the opportunity to play a variety of different jazz styles and attend some great festivals. There are limited positions so an audition process will be used to select players. You must be proficient on your instrument and able to read music. This class meets before school.

A CAPPELLA A - 309040 (meets before school)

A CAPPELLA B - 309041 (meets before school)

Benchmark: Advanced

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting

Transferable Skills: Personal Development & Self Awareness, Collaboration

Prerequisites: Performing Chorus or permission from the director; Audition

Grade: 9-12

Duration: Year-long

Can be repeated.

Mount Abe's vocal ensemble, Sweet Transition, is a co-ed auditioned group. Students will prepare a solo audition and are expected to be able to attend all before and after school rehearsals, as well as participate in all music department events and concerts. Students must be in the Performing Chorus for at least one year, or have permission from the director. Students who are not able to fit chorus into their schedules by their senior year will not be accepted into the group.

WORLD LANGUAGE ([Back to Table of Contents](#))

Proficiencies:

World Language (not required for graduation)	
Communication	Student communicates effectively in more than one language in order to function in a variety of situations and for multiple purposes.
Cultures	Student interacts with cultural competence and understanding.

Course Offerings:

French	Latin	Spanish
French 1A & 1B (year course)	Latin 1A & 1B (year course)	Spanish 1A & 1B (year course)
French 2A & 2B (year course)	Latin 2A & 2B (year course)	Spanish 2A & 2B (year course)
French 3A & 3B (year course)	Latin 3A & 3B (year course)	Spanish 3A & 3B (year course)
French 4A & 4B (year course)	Latin 4A & 4B (year course)	Spanish 4A & 4B (year course)
French 5A & 5B (year course)	Latin 5A & 5B (year course)	Spanish 5A & 5B (year course)
Guided Learning Opportunity (GLO) - World Language Exploration		
Independent Learning Opportunity (ILO) - World Language Exploration		
VHS World Language		

FRENCH 1A - 609000

FRENCH 1B - 609001

Benchmark: Novice

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 8-12

Duration: Year-long

Studying a world language not only produces communicative competence, but also promotes cultural awareness and a broader world view. Second language study also provides a deeper understanding of one's native language. Spoken by more than 275 million people around the world, French is a practical language used in business, international affairs, and the arts. French 1 provides an overview of the French language, basic communicative tasks and cultural exploration of the French-speaking world. Students speak, read, write, and listen in the French language.

FRENCH 2A - 609010**FRENCH 2B - 609011****Benchmark:** Intermediate**Content Proficiencies:** Culture, Communication**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** French 1; *recommended 2.5 or higher Academic grade in French 1B***Grade:** 9-12**Duration:** Year-long

French 2 includes a review and continuation of concepts established in the French 1 curriculum. Students learn to describe past events using the passé composé. They expand their ability to communicate using vocabulary related to family, meals, technology, travel, clothing and French-speaking destinations around the world. Students examine authentic francophone texts, music, films and audio to expand their understanding of the French language and francophone cultures.

FRENCH 3A - 610000**FRENCH 3B - 610001****Benchmark:** Intermediate**Content Proficiencies:** Culture, Communication**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** French 2; *recommended 2.5 or higher Academic grade in French 2B***Grade:** 10-12**Duration:** Year-long

In level 3, students will expand their understanding of vocabulary and grammar while extending their skills in all four areas of communication: listening, speaking, reading, and writing. Grammar topics will include passé composé, imparfait and reflexive verbs. Students gain exposure to examples of francophone poetry, literature, cinema, music and music. While increasing their communicative capacity, students also gain a deeper cultural and linguistic awareness of the francophone world.

FRENCH 4A - 611000**FRENCH 4B - 611001****Benchmark:** Advanced**Content Proficiencies:** Culture, Communication**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** French 3; *recommended 2.5 or higher Academic grade in French 3B***Grade:** 11-12**Duration:** Year-long

In French 4, students continue to develop their skills in listening, speaking, reading, and writing. Students solidify their ability to correctly use verbal tenses and modes in French. Students read authentic francophone texts and study current issues of French-speaking societies through various sources including music, film, online media, news articles, poetry and literature. Students observe similarities and differences between their own cultures and the French-speaking world. This class is a combination of French 4 and 5 and follows a two-year revolving curriculum.

FRENCH 5A - 611010**FRENCH 5B - 611011****Benchmark:** Advanced**Content Proficiencies:** Culture, Communication**Transferable Skills:** Personal Development & Self Awareness**Prerequisites:** French 4; *recommended 2.5 or higher Academic grade in French 4B***Grade:** 11-12**Duration:** Year-long

In French 5, students continue to develop their skills in listening, speaking, reading, and writing. Students solidify their ability to correctly use verbal tenses and modes in French. Students read authentic francophone texts and study current issues of French-speaking societies through various sources including music, film, online media, news articles, poetry and literature. Students observe similarities and differences between their own cultures and the French-speaking world. This class is a combination of French 4 and 5 and follows a two-year revolving curriculum.

PLEASE NOTE: Help in preparing for the AP language exam is available for students who seek the challenge independent of French 5. This option is only for seriously motivated students who are prepared to work independently at a very demanding level. It requires commitment and a considerable investment of time.

LATIN 1A - 609020

LATIN 1B - 609021

Benchmark: Novice

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 8-12

Duration: Year-long

In Latin 1, students will study the fundamentals of the Latin language with the aim of developing reading proficiency in the ancient language. Within this emphasis on reading, rather than speaking, students explore the vocabulary, syntax, and grammar of both the Latin and English languages. Special attention is given to vocabulary and English derivatives from Latin words. In addition to exploring the Latin language itself, students also learn about the daily life, culture, and history of ancient Rome, especially Italian city of Pompeii that was destroyed by Mount Vesuvius in 79AD, and the provinces of Britannia and Egypt.

LATIN 2A - 609030

LATIN 2B - 609031

Benchmark: Intermediate

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Latin 1; *recommended 2.5 or higher Academic grade in Latin 1B*

Grade: 9-12

In Latin 2, students continue their study of Latin with a focus on reading fluency for comprehension and interpretation. As in Latin 1, special attention is given to the connections between Latin vocabulary and grammar and English. The cultural portions of the class continue to explore the daily life of the people throughout the Roman Empire as students return to the province of Britannia, but also visit the city of Rome itself, the center of the Roman Empire.

LATIN 3A - 610010

LATIN 3B - 610011

Benchmark: Intermediate

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Latin 2; *recommended 2.5 or higher Academic grade in Latin 2B*

Grade: 10-12

Duration: Year-long

In Latin 3, students explore the more complex aspects of the ancient language, consolidating skills from previous Latin courses to better approach new and more challenging aspects of the language. Reading fluency and textual interpretation are again emphasized as students begin to read more selections from ancient Roman authors. Other aspects of the course remain tied to the culture and life in the city of Rome.

LATIN 4A - 611020

LATIN 4B - 611021

Benchmark: Advanced

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Latin 3; *recommended 2.5 or higher Academic grade in Latin 3B*

Grade: 11-12

Duration: Year-long

In Latin 4, students review Latin syntax and grammar while translating a variety of stories concerning Greek and Roman Demigods and heroes who served as examples and warnings for the Romans. Grammar and vocabulary are reviewed as needed, but the focus of the course moves from learning "new" Latin to consolidation and fluent reading. Latin 4 is a combined course with Latin 5 and operates on a two year revolving curriculum.

LATIN 5A - 612000

LATIN 5B - 612001

Benchmark: Advanced

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Latin 4; recommended 2.5 or higher Academic grade in Latin 4B

Grade: 12

Duration: Year-long

In Latin 5, students review Latin syntax and grammar while translating a variety of stories concerning Greek and Roman Demigods and heroes who served as examples and warnings for the Romans. Grammar and vocabulary are reviewed as needed, but the focus of the course moves from learning "new" Latin to consolidation and fluent reading. Latin 5 is a combined course with Latin 4 and operates on a two year revolving curriculum.

SPANISH 1A - 609040

SPANISH 1B - 609041

Benchmark: Novice

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 8-12

Duration: Year-long

Students in the level 1 Spanish course will learn to communicate at a basic level with emphasis placed on developing the four skills of speaking, listening, reading and writing. Students will learn to ask and answer basic questions, speak about themselves, their surroundings, their school, their families and their environments. Spanish 1 will explore the similarities and differences between Hispanic cultures through thematic units based in the Auténtico 1 textbook. Examples include: El Día de Muertos, la Navidad, Año Nuevo, Cinco de Mayo, and how these compare with our own cultural traditions. There is a strong emphasis on communication skills and pronunciation corresponding to the framework in the ANESU ENDS Policy, Common Core State Standards for non-native languages, as well as the 5 C's of the National Foreign Language Standards, Communication, Cultures, Connections, Comparisons and Communities.

SPANISH 2A - 609050

SPANISH 2B - 609051

Benchmark: Intermediate

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Spanish 1; recommended 2.5 or higher Academic grade in Spanish 1B

Grade: 9-12

Duration: Year-long

Spanish 2 includes a review and a continuation of concepts began in Spanish 1. Students learn to communicate about family and family celebrations, the home and household chores, shopping, travel and vacations, and the media. Key grammatical concepts include the distinction between *ser* and *estar*, comparisons, stem-changing verbs, the present progressive, informal commands and the preterite (simple past) tense. Familiarity with the target language cultures and countries will be gained through exploring events and festivities in the Spanish-speaking world, as well as through music, film and other authentic resources. Consistent and active engagement in and outside of class is integral to ensuring success.

SPANISH 3A - 610020

SPANISH 3B - 610021

Benchmark: Intermediate

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Spanish 2; *recommended 2.5 or higher Academic grade in Spanish 2B*

Grade: 10-12

Duration: Year-long

Spanish 3 is a spiraling continuum of Spanish 1 and 2. Vocabulary and grammar concepts from the previous levels will be reinforced throughout thematic units such as urban life, childhood and family celebrations, television and cinema, cooking and food, travel and future plans. These themes will provide opportunities to gain insight into cultural perspectives and practices within the very diverse Hispanic world and, where applicable, how they compare to those of the USA. More advanced grammatical structures will be introduced, such as imperfect, future and conditional tenses, and the subjunctive mood, as well as a broader range of vocabulary. There will be continued emphasis on developing the four language skills: - speaking, listening, reading and writing within the framework of the ANESU ENDS Policy, Common Core State Standards for non-native languages, as well as the 5 C's of the National Foreign Language Standards, Communication, Cultures, Connections, Comparisons and Communities. In addition to the Auténtico 2 textbook, we will access a wide variety of media and authentic sources.

SPANISH 4A - 611040

SPANISH 4B - 611041

Benchmark: Advanced

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Spanish 3; *recommended 2.5 or higher Academic grade in Spanish 3B*

Grade: 11-12

Duration: Year-long

Spanish 4 will continue to develop abilities in the four major communication skills - reading, writing, listening and speaking, within the contexts of past events, the arts, interpersonal relationships, careers and future plans, intercultural interactions, and rights and responsibilities. These themes will provide opportunities to further explore intercultural connections through comparisons between the practices, products and perspectives of Hispanic cultures and your own, with an aim to broaden your understanding of the world's diversity. The grammatical structures and extensive vocabulary complement the thematic units, and provide the tools for increasingly independent expression. This course follows a two-year revolving curriculum, and combines Spanish 4 and 5, with expectations adapted to each level. Consistent and active engagement in and outside of class is integral to ensuring success.

SPANISH 5A - 611050

SPANISH 5B - 611051

Benchmark: Advanced

Content Proficiencies: Culture, Communication

Transferable Skills: Personal Development & Self Awareness

Prerequisites: Spanish 4; *recommended 2.5 or higher Academic grade in Spanish 4B*

Grade: 11-12

Duration: Year-long

Spanish 5 will continue to develop your abilities in the four major communication skills - reading, writing, listening and speaking, within the contexts of past events, the arts, interpersonal relationships, careers and future plans, intercultural interactions, and rights and responsibilities. These themes will provide opportunities to further explore intercultural connections through comparisons between the practices, products and perspectives of Hispanic cultures and your own, with an aim to broaden your understanding of the world's diversity. The grammatical structures and extensive vocabulary complement the thematic units, and provide the tools for increasingly independent expression. This course follows a two-year revolving curriculum, and combines Spanish 4 and 5, with expectations adapted to each level. Consistent and active engagement in and outside of class is integral to ensuring success.

PLEASE NOTE: Help in preparing for the AP language exam is available for students who seek the challenge independent of Spanish 5. Only seriously motivated students who are prepared to work independently at a very demanding level should consider this option. It requires commitment and a considerable investment of time.

GUIDED LEARNING OPPORTUNITY (GLO) WORLD LANGUAGE EXPLORATION A - 910036

GUIDED LEARNING OPPORTUNITY (GLO) WORLD LANGUAGE EXPLORATION B - 910037

Benchmark: Flexible

Grade: 9-12

Content proficiencies: Culture, Communication

Duration: Semester

Transferable skills: Determined Upon Enrollment

Can be repeated.

Prerequisites: (do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior World Language course, 2.5 or below academic grade in prior World Language course, Tier 2 or 3 team recommendation

A GLO in World Language Exploration is an opportunity to practice and improve communication, reading, and writing skills while studying a language not offered at MAUMHS. A GLO provides extra support and guidance as the student practices personalized learning skills. Student must have an interest to work independently. Off-site time with a community mentor is strongly encouraged.

INDEPENDENT LEARNING OPPORTUNITY (ILO) WORLD LANGUAGE EXPLORATION A - 909033

INDEPENDENT LEARNING OPPORTUNITY (ILO) WORLD LANGUAGE EXPLORATION B - 909028

Benchmark: Flexible

Grade: 9-12

Content proficiencies: Culture, Communication

Duration: Semester

Transferable skills: Determined Upon Enrollment

Can be repeated.

Prerequisites: (must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior World Language course, 3.0 or above in academic prior World Language course, Junior or Senior in good standing in Eagle Challenge Program

An ILO in World Language Exploration is an opportunity to practice and improve communication, reading, and writing skills while studying a language not offered at MAUMHS. Student must have proven ability to work independently. Off-site time with a community mentor is strongly encouraged.

DESIGN & TECHNOLOGY EDUCATION [\(Back to Table of Contents\)](#)

Proficiencies:

Design and Technology Education (not required for graduation)	
Design and Problem Solving	Student recognizes and applies the design and problem solving process to real world situations.
Technology and Machine Operation	Student recognizes and utilizes technology to create models and finished products.
Technology and Society	Student recognizes and applies the connections between technology and the society we live in.

Course Offerings:

Yearly Introductory Offerings	Yearly Advanced Options
Intro to Metal Design and Fabrication (9-12)	Advanced Metal Design and Fabrication (9-12)
Intro to Architectural Engineering (9-12)	Advanced Architectural Engineering (9-12)
Intro to CAD Technologies (9-12)	Advanced CAD Technologies (9-12)
Intro to Wood Design and Fabrication (9-12)	Advanced Wood Design and Fabrication (9-12)
Alternating Year Offerings (2020-21)	Alternating Year Offerings (2021-22)
Art and Technology (9-12)	Intro to Programming and Robotics (9-12)

INTRO TO METAL DESIGN AND FABRICATION- 1209043

Benchmark: Intermediate

Grade: 9-12

Content Proficiencies: Technology & Machine Operation, Design & Problem Solving Process, Technology & Society

Duration: Semester

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: none

In this course you will be introduced to various metal fabrication skills including; introduction to sheet metal, cutting, grinding and welding, and metal design. You will learn about safe operation of basic metalworking equipment, complete skill work, and ultimately design and fabricate your own metal project following the design and problem solving process.

ADVANCED METAL DESIGN AND FABRICATION - 1209044

Benchmark: Advanced

Content Proficiencies: Technology & Machine Operation, The Design & Problem Solving Process

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: Intro to Metal Design and Fabrication

Grade: 9-12

Duration: Semester

Can be repeated 4x.

This course is a continuation of the intro level. You are expected to perform at a higher level, and produce higher quality products. It is expected that you will work to improve your skills, and learn new skills such as: stick welding, TIG welding, CNC plasma cutting, Mill/Lathe operation. The main focus of the course is a self-designed fabrication project. You have the option to choose your own project, design it following the design and problem solving process, and fabricate it using the machines you have learned about.

INTRO TO CAD TECHNOLOGIES - 1209010

Benchmark: Intermediate

Content Proficiencies: Technology & Machine Operation, Design & Problem Solving Process

Transferable Skills: Personal Development & Self Awareness

Prerequisites: none

Grade: 9-12

Duration: Semester

In this course students will learn to use CAD (Computer Aided Design) programs to create 2D and 3D designs. These designs can be used to create products using the Laser Engraver, 3D printers and CNC (computer numeric controlled) Router and Plasma Torch. It is our hope that students will learn skills in CAD (Computer-Aided Design) and CNC (Computer Numeric Control) that they can use in future employment.

ADVANCED CAD TECHNOLOGIES - 1209011

Benchmark: Advanced

Content Proficiencies: Technology & Machine Operation, The Design & Problem Solving Process

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: Intro to CAD Technologies

Grade: 10-12

Duration: Semester

Can be repeated 3x.

This course is a continuation of the Intro course. Students will continue to hone their skills with the CAD programs as well as have the opportunity to produce projects on a 3D Printer, Laser Cutter and Engraver, CNC Router and CNC Plasma table. Students will complete drawings with little step-by-step assistance, relying on their knowledge and abilities gained in the intro course. From there, students will be tasked with a larger design project, utilizing the various technologies available to them.

INTRO TO WOOD DESIGN AND FABRICATION - 1209033

Benchmark: Intermediate

Content Proficiencies: Technology & Machine Operation, Design & Problem Solving Process

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: none

Grade: 9-12

Duration: Semester

In this course you will be introduced to various woodworking design and fabrication skills. You will learn about safe operation of woodworking equipment, and will complete introductory projects that may also include an introduction to CNC (computer numeric control) router and Laser engraving. You will ultimately design and fabricate a more in depth project following the design and problem solving process.

ADVANCED WOOD DESIGN AND FABRICATION- 1209034

Benchmark: Advanced

Content Proficiencies: Technology & Machine Operation, Design & Problem Solving Process

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: Intro to Wood Design and Fabrication

Grade: 10-12

Duration: Semester
Can be repeated 4x.

This course is a continuation of the intro level. Students should be able to perform at a higher level, and produce higher quality products. It is expected that students work to improve their skills at this level, and challenge themselves with new techniques or higher difficulty projects. The main focus of the course is a self-designed woodworking project. Students have the option to choose their own project, design it following the design and problem solving process, and fabricate it using the machines they have learned about.

INTRO TO ARCHITECTURAL ENGINEERING - 1209021

Benchmark: Intermediate

Content Proficiencies: Design & Problem Solving Process

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: none

Grade: 9-12

Duration: Semester

In this course you will explore the various design attributes of residential design and construction. You will create floor plans and other drawings for your own house design, learn how to create this design in Chief Architect CAD (computer aided design) software, and create models of your designs.

ADVANCED ARCHITECTURAL ENGINEERING - 1209022

Benchmark: Advanced

Content Proficiencies: Design & Problem Solving Process, Technology and Machine Operation

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: Intro to Architectural Engineering

Grade: 9-12

Duration: Semester

This course will build upon the skills learned in the intro course. You will complete more independent projects using your design skills in Chief Architect, as well as using additional technologies such as the Laser Engraver and 3D printer to model architectural components.

Alternating Course: Offered 2021-22

INTRO TO PROGRAMMING AND ROBOTICS - 1209007

Benchmark: Intermediate

Content Proficiencies: Design & Problem Solving Process

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: none

Grade: 9-12

Duration: Semester

Intro to Programming and Robotics will give students a chance to explore basic programming methods, including block and text programming while using devices such as Sphero and Lego Mindstorms robots and Arduinos. Students will work through various programming projects using these devices, and may have the opportunity to develop their own products and program them to complete a task.

Alternating Course: Offered 2020-21

ART AND TECHNOLOGY

Benchmark: Intermediate/Advanced

Grade: 9-12

Content Proficiencies: Creating, Performing/Presenting, Responding/Reflecting,
Design and Problem Solving, Technology and Machine Operation

Duration: Semester

Transferable Skills: Personal Development & Self Awareness, Problem Solving

Prerequisites: Intro Art, Intro to CAD, Intro to Woodworking, Intro to Industrial Technology suggested but not required

The connection between Art and Technology is rapidly growing and igniting creativity like never before. In this course, you will design your own Art and Technology integration by choosing projects that will utilize Technology to create Art. For example, you may choose to pursue metal sculpture. In this case you would learn about the artistic components, as well as learn to weld, and ultimately create your own metal sculpture that you have designed following the design process. Or perhaps you would like to create art using a laser cutter, or computer controlled metal torch. The opportunities are almost limitless.

DRIVER EDUCATION ([Back to Table of Contents](#))

Driver Education (not required for graduation)	
Driver Ed Classroom	Students will increase their knowledge and experience to develop a risk prevention driving mindset that will enable them to be positive, safe and legal users of the Highway Transportation System in our 5 towns, Addison County, Vermont and beyond.
In Vehicle Driving	Student is able to perform independently while completing procedures, following the driving laws, and interacting courteously and safely with all Highway Transportation System Users.

DRIVER EDUCATION A - 1210040

DRIVING LAB A - 1210042

(concurrent enrollment required)

DRIVER EDUCATION B - 1210041

DRIVING LAB B - 1210043

(concurrent enrollment required)

Benchmark: Advanced

Grade: 10-12

Content Proficiencies: Driver Ed. classroom, In Vehicle Driving

Duration: Semester

Transferable Skills: Personal Development & Self Awareness, Problem-Solving

Prerequisites: A valid learner's permit on the first day of class.

Driver Education is a partnership between students, parents, teachers and the Mount Abraham Community. Each student will participate in an A.O.E. certified program that meets the current Graduated Driving Law (GDL) standards with the goal to prepare them for driving within our five-town community. During enrollment, each student is required to complete at least 30 hours of classroom instruction while demonstrating proficiency for the classroom learning targets. Concurrently, students will need to complete at least six hours of documented behind the wheel instruction and six hours of documented observation in a dual controlled vehicle while demonstrating proficiency for the in-vehicle learning targets. To support the learning, students are required to complete at least 20 hours of documented driving with their Parents/Guardians as explained in the GDL using the guide book - *Partnership for Expert Driving: Teacher, Teen, Parent*. The culminating summative assessment for every student is to proficiently complete the final driving exam.

Students that are not driving during Driving Lab will be scheduled for Learning Commons-H.O.W, Literacy and/or Math. 11th and 12th grade students may earn unassigned time (depending on individual student needs).

SCHEDULING PROCESS FOR DRIVER'S EDUCATION

- Students **must** pre-register for both Driver Education classroom and Driving Lab.
- Students **must** show their Learners Permit to the School Counseling office by
 - April 1 for Semester 1
 - November 1 for Semester 2
- The Learner's Permit date of issue and permit number will be recorded which will determine enrollment priority.
- Students will be placed in Driver Education based on the date of issue of their Learners Permit.
- Students in grade 12 will be given priority, then grade 11, grade 10 and grade 9..

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YEARBOOK A - 210050

YEARBOOK B - 210055

Benchmark: Intermediate

Transferable Skills: Personal Development & Self Awareness, Collaboration

Prerequisites: Yearbook advisor recommendation to continue into second semester

Grade: 9-12

Duration: Semester

Can be repeated.

This class will produce the Mt. Abraham school yearbook, Aerie, using Josten's Yearbook Avenue. Students will learn basic techniques for journalism, photography, advertising, marketing, and layout. Students electing this course are expected to spend time after school, weekends, and during vacations in order to meet deadlines for publication.

ON THE JOB LEARNING A - 909013

ON THE JOB LEARNING B - 909014

Benchmark: Advanced

Content proficiencies: Determined Upon Enrollment

Transferable skills: Personal Development & Self Awareness, Collaboration,
Global Citizenship, Communication: Reading, Writing

Prerequisites: A valid driver's license and access to reliable and insured transportation. If interested in a medical placement, additional requirements are needed.

Grade: Determined by eligibility

Duration: Semester

Can be repeated 4x

This course in Community Based Learning enables students to gain necessary skills and knowledge of being a part of the workforce. Topics will include Career Readiness & Professionalism in the workplace, Workplace safety (OSHA), Workers rights, etc. Job Fairs, employee panels, job shadows will be other options as well. The majority of the time will be spent offsite at the workplace developing soft skills, exploring careers of interest. Basic job skills such as resume building, cover letter and interviewing will also be covered. A final project culminating the semester experience will be required.

WORK-BASED LEARNING (WBL) A - 1109064

WORK-BASED LEARNING (WBL) B - 1109065

Benchmark: Intermediate

Transferable Skills: Determined Upon Enrollment

Prerequisite: PLP documenting WBL experience

Grade: Determined by eligibility

Duration: Semester

Can be repeated 6x

Eligibility: A student must be a minimum of 16 years old to enroll. A student enrolled in a paid learning experience must hold valid work documentation, such as a Social Security card.

This course is an opportunity to work, either during the school day, nights, or weekends and apply academic, technical, and employability skills in a work setting. Through the WBL experience, a student will demonstrate and document progress towards identified proficiencies and transferable skills. This paid work experience must comply with the Federal and State laws including Occupational Safety and Health Administration, Fair Labor Standards Act, Vermont Child Labor Laws, and minimum wage laws. Students will develop a clearly defined training plan with the WBL Coordinator and employer. A minimum of 60 hours of work per semester is required to meet proficiency. Students may take more than one WBL course per semester.

DUO (DO UNTO OTHERS) A - 909021

DUO (DO UNTO OTHERS) B - 909026

Benchmark: Intermediate

Content proficiencies: Determined Upon Enrollment

Transferable skills: Personal Development & Self Awareness, Communication: Writing

Prerequisites: none

Grade: 9-12

Duration: Semester

Can be repeated.

A DUO is an opportunity to volunteer as a teacher's assistant at MAUMHS or as an intern at an off-site approved location. A student will choose his/her own placement with a teacher. The Personalized Learning Teacher is available to help with off-site placement. This is a community service opportunity and students will not be paid for the time. A student may elect one DUO per location/classroom.

VIRTUAL HIGH SCHOOL LEARNING A - 909044

VIRTUAL HIGH SCHOOL LEARNING B - 909048

Benchmark: Flexible

Content proficiencies: Determined Upon Enrollment

Transferable skills: Determined Upon Enrollment

Prerequisites: Complete VHS application and VHS readiness survey

Grade: 9-12

Duration: Semester

Can be repeated.

VHS allows students to access courses beyond what MAUMHS can offer. Taking a VHS course is a great way to extend learning. These courses are taught by teachers from around the country and accessed through a web-based platform. There are hundreds of courses offered. VHS offers both semester courses and year long courses. Students may earn core content proficiencies by taking VHS courses. The course catalog can be accessed at vhslearning.org.

DUAL ENROLLMENT A - 912023

DUAL ENROLLMENT B - 912026

Benchmark: Advanced

Content proficiencies: Determined Upon Enrollment

Transferable skills: Determined Upon Enrollment

Prerequisites: Completion of dual enrollment voucher request, college application, and complete PLP.

Grade: 11-12

Duration: Semester

Can be repeated 2x.

The Vermont Dual Enrollment Program currently offers students two free vouchers to take college courses (online or face-to-face) at several Vermont colleges. Students earn both high school proficiency and college credit for the same course. Students may enroll in a course during the following semesters: Summer entering 11th grade, Fall and Spring 11th grade, Summer entering 12th grade, Fall and Spring of 12th grade. Student may earn core content proficiencies by taking a college course.

PROFICIENCY BASED (PB) LEARNING COMMONS A - 910070

PROFICIENCY BASED (PB) LEARNING COMMONS B -

Benchmark: Flexible

Content proficiencies: Determined Upon Enrollment

Transferable Skills: Determined Upon Enrollment

Prerequisites: Academic grade of 1.5-1.9 in content area

Grade: 9-12

Duration: Semester

Can be repeated.

The Proficiency Based (PB) Learning Commons is an opportunity to continue to work towards meeting proficiency in coursework from the prior academic year. The PB Learning Commons teacher will coordinate with content area departments on work needed to meet proficiency. The student may need to meet with content area teacher during FIT for check ins. Student must have an interest to work independently.

GUIDED LEARNING OPPORTUNITY (GLO) ELECTIVE A - 910038

GUIDED LEARNING OPPORTUNITY (GLO) ELECTIVE B - 910039

Benchmark: Flexible

Content proficiencies: Determined Upon Enrollment

Transferable Skills: Determined Upon Enrollment

Prerequisites: (do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior Personalized Learning course, 2.5 or below academic grade in prior Personalized Learning course, Tier 2 or 3 team recommendation.

Grade: 10-12

Duration: Semester

Can be repeated.

A GLO in an elective area provides extra support and guidance as the student studies a topic of choice and practices personalized learning skills. Student must have an interest to work independently. Off-site time with a community mentor is strongly encouraged.

INTRODUCTION TO INDEPENDENT LEARNING OPPORTUNITY (ILO) ELECTIVE A - 909057
INTRODUCTION TO INDEPENDENT LEARNING OPPORTUNITY (ILO) ELECTIVE B - 909064

Benchmark: Flexible

Grade: 9-10

Content proficiencies: Determined Upon Enrollment

Duration: Semester

Transferable Skills: Determined Upon Enrollment

Can be repeated.

Prerequisites: (must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW, Junior or Senior in good standing in Challenge Diploma Program

The Introduction to Independent Learning Opportunity (ILO) Elective is a chance to practice and improve personalized learning skills while exploring a topic of choice. Student must have proven ability to work independently. Off-site time with a community mentor is strongly encouraged.

INDEPENDENT LEARNING OPPORTUNITY (ILO) ELECTIVE A- 909034
INDEPENDENT LEARNING OPPORTUNITY (ILO) ELECTIVE B- 909064

Benchmark: Flexible

Grade: 10-12

Content proficiencies: Determined Upon Enrollment

Duration: Semester

Transferable Skills: Determined Upon Enrollment

Can be repeated.

Prerequisites: (must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW, Junior or Senior in good standing in Challenge Diploma Program

The Independent Learning Opportunity (ILO) Elective is a chance to practice and improve personalized learning skills while exploring a topic of choice. Student must have proven ability to work independently. Off-site time with a community mentor is strongly encouraged.

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SECTION 5

COURSE SUMMARIES AND 4-YEAR PLANNING SHEET

COURSE SUMMARIES

LITERACY						
Course Number		Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed	Prerequisites and Comments
209000	Year-long	English 9 A	9 (Intermediate)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness Collaboration	Required for 9th graders as part of 9th grade team
209001		English 9 B	9 (Intermediate)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness Collaboration	
210000	Year-long	English 10 A	10 (Intermediate)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness	Required for 10th graders
210001		English 10 B	10 (Intermediate)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness	
210020		Creative Writing	9 - 12 (Flexible)	Reading Writing Language	Personal Dev & Self Awareness	Can be repeated 2x.
210030		Journalism	9 - 12 (Flexible)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness	Can be repeated.
210060		Turn The Page	9 - 12 (Flexible)	Reading Writing	Personal Dev & Self Awareness	Can be repeated 2x.
210011		Composition and Language	10 - 12 (Advanced)	Reading Writing Language	Personal Dev & Self Awareness	
211025		Media Literacy	10 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness	
211040	Year-long	American Studies A	11-12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness	Double block course: Required concurrent enrollment in American Social Studies
211045		American Studies B	11-12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness	US History 10 and English 10. 10th graders will be considered for enrollment on a case-by-case basis with approval from instructors.
910030		Guided Learning Opportunity (GLO) English A	10 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior English course, 2.5 or below academic grade in prior English course, Tier 2 or 3 team recommendation

Yearly Offerings

910031		Guided Learning Opportunity (GLO) English B	10 - 12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior English course, 2.5 or below academic grade in prior English course, Tier 2 or 3 team recommendation	
9090030		Independent Learning Opportunity (ILO) English A	9 - 12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior English course, 3.0 or above in academic prior English course, Junior or Senior in good standing in Challenge Diploma Program	
9090037		Independent Learning Opportunity (ILO) English B	9 - 12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior English course, 3.0 or above in academic prior English course, Junior or Senior in good standing in Challenge Diploma Program	
909040		VHS English	9 - 12	Determined Upon Enrollment	Determined Upon Enrollment		See "Flexible Pathways" section to learn more about VHS	
912020		Dual Enrollment English	11-12	Determined Upon Enrollment	Determined Upon Enrollment		See "Flexible Pathways" section to learn more about Dual Enrollment	
210070		Page to Screen	10 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness	Alternating Year Offerings (2021-22)		
211010		World Literature	10 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness			
211050		Contemporary Literature	11 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness		*Exceptions for 9 - 10th grade with permission from the instructor.	
211030		Introduction to Philosophy	11 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness			
211011		Reading, Writing and Working in the Wilderness	11 - 12 (Advanced)	Reading Writing Language	Personal Dev & Self Awareness			
211012		Science Fiction	11 - 12 (Advanced)	Reading Writing Language	Personal Dev & Self Awareness			
212002	Year-long	AP English Language and Composition A	11 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness		Any student who wishes to enroll in a AP English course must meet or exceed Proficiencies in 11th grade English courses or must have permission of instructor. Enrollment is contingent upon successful completion of summer work. Exceptional underclassman will be enrolled with teacher's permission.	
212003		AP English Language and Composition B	11 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness			
209002		Creative Nonfiction	9 - 12 (Flexible)	Reading Writing Language	Personal Dev & Self Awareness		2021	
209003		Discovering Drama in Literature & Writing	9 - 12 (Flexible)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness			

210040		Shakespeare	10 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness Collaboration	Alternating Year Offerings (2020)	
611031		Mythology & Alternate Traditions	11 - 12 (Advanced)	Reading Writing Language Speaking & Listening	<i>Determined Upon Enrollment</i>		
211035		Society and the Human Condition	11 - 12 (Advanced)	Reading Writing Language Speaking & Listening	Personal Dev & Self Awareness		
212000	Year-long	AP English Literature & Composition A	12 (Advanced)	Reading Writing Language Speaking Listening	Personal Dev & Self Awareness Collaboration		Any student who wishes to enroll in a AP English course must meet or exceed proficiency in 11th grade English courses or must have permission of instructor. Enrollment is contingent upon successful completion of summer work.
212001		AP English Literature & Composition B	12 (Advanced)	Reading Writing Language Speaking Listening	Personal Dev & Self Awareness Collaboration		

SOCIAL STUDIES (KNOWLEDGE & SKILLS)

Course Number		Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed		Prerequisite and Comments
409000	Year-long	Global Studies A	9 (Intermediate)	History Civics Geography Economics	Pers Dev & Self Awareness Collaboration Global Citizenship Comm: Writing Comm: Reading Comm: Speaking & Listening		Required for 9th graders as part of 9th grade team
409001		Global Studies B	9 (Intermediate)	History Civics Geography Economics	Pers Dev & Self Awareness Collaboration Global Citizenship Comm: Writing Comm: Reading Comm: Speaking & Listening		
410000	Year-long	US History A	10 (Intermediate)	History	Personal Dev & Self Awareness Comm: Writing Comm: Speaking & Listening		Required for all 10th graders and is a graduation requirement
410001		US History B	10 (Intermediate)	History	Personal Dev & Self Awareness Comm: Writing Comm: Speaking & Listening		
411000	Year-long	American Social Studies A	11 - 12 (Advanced)	History	Personal Dev & Self Awareness Collaboration Comm: Reading Comm: Writing Comm: Speaking & Listening		Double block course: Required concurrent enrollment in Literacy: American Studies US History 10 and English 10. 10th graders will be considered for enrollment on a case-by-case basis with approval from instructors.
411001		American Social Studies B	11 - 12 (Advanced)	History	Personal Dev & Self Awareness Collaboration Comm: Reading Comm: Writing Comm: Speaking & Listening		
412020		US Government and Politics	11-12 (Advanced)	Civics	Pers Dev & Self Awareness Comm: Reading Comm: Writing	Yearly Offerings	Required for graduation US History 10 (A&B) or American Studies

411020		Economics	11 - 12 (Advanced)	Economics Civics Geography History	Personal Dev & Self Awareness Problem Solving Comm: Reading		Global Studies, US History 10
910032		Guided Learning Opportunity (GLO) Social Studies A	10-12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated
910033		Guided Learning Opportunity (GLO) Social Studies B	10-12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated
909031		Independent Learning Opportunity (ILO) Social Studies A	9 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated
909038		Independent Learning Opportunity (ILO) Social Studies B	9 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated
909041		VHS Social Studies	9 - 12	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		See "Flexible Pathways" section to learn more about VHS
912021		Dual Enrollment Social Studies	12	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		See "Flexible Pathways" section to learn more about Dual Enrollment
410010		Modern Global Social Issues	11 - 12 (Flexible)	History Geography	Personal Dev & Self Awareness Global Citizenship Comm: Reading Comm: Speaking a& Listening	Alternating Year Offerings (2021-22)	Global Studies, US History 10
412010		Sociology	11 - 12 (Advanced)	History Civics Economics	Pers Dev & Self Awareness Problem Solving		
411015		Vermont History	11 - 12 (Flexible)	History	Personal Dev & Self Awareness Comm: Reading Comm: Writing Comm: Speaking & Listening		US History 10 (A&B) or American Studies
411012		American Military History: 1750 - 1900	11 - 12 (Flexible)	History Geography	Pers Dev & Self Awareness Comm: Writing Comm: Speaking & Listening		US History 10 (A&B) or American Studies
411011		American Military History: 1900 - Present	11 - 12 (Flexible)	History Geography	Pers Dev & Self Awareness Comm: Writing Comm: Speaking & Listening		US History 10 (A&B) or American Studies
412030	Year-long	AP US History A	11 - 12 (Advanced)	History Civics Economics Geography	Personal Dev & Self Awareness Global Citizenship Comm: Reading Comm: Writing		Global Studies & US History 10 or American Studies
412031		AP US History B	11 - 12 (Advanced)	History Civics Economics Geography	Personal Dev & Self Awareness Global Citizenship Comm: Reading Comm: Writing		
412000		Psychology	11 - 12 (Advanced)	History	Pers Dev & Self Awareness Problem Solving Comm: Writing Comm: Speaking & Listening	ng Year Offerings (2020-21)	
411016		The Middle Ages through the French Revolution	11 - 12 (Advanced)	Geography History	Pers Dev & Self Awareness Comm: Reading Comm: Writing Comm: Speaking & Listening		Global Studies and US History
411017		Big History: A history of the World from the Big Banh to the Present	11 - 12 (Intermediate)	History	Pers Dev & Self Awareness Global Citizenship Comm: Writing Comm: Speaking & Listening		Global Studies and US History
411018		Nazi Germany and the Holocaust: A Case Study in Tyranny	11 - 12 (Intermediate)	Civics History	Pers Dev & Self Awareness Global Citizenship Comm: Writing Comm: Speaking & Listening		Global Studies and US History

412040	Year-long	AP European History A	11 - 12 (Advanced)	History Civics Economics Geography	Pers Dev & Self Awareness Comm: Writing Comm: Speaking & Listening Global Citizenship	Alternativ	Global Studies and US History or American Studies
412041		AP European History B	11 - 12 (Advanced)	History Civics Economics Geography	Pers Dev & Self Awareness Comm: Writing Comm: Speaking & Listening Global Citizenship		

MATHEMATICS (CONTENT & PRACTICES)

Course Number		Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed		Prerequisite and Comments										
709000	Year-long	Bridge to Integrated Math A	9-10 (Novice)	Math Concepts & Skills Application of Math Statistical Literacy	Personal Dev & Self Awareness	Yearly Offerings											
709001		Bridge to Integrated Math B	9-10 (Novice)	Math Concepts & Skills Application of Math Statistical Literacy	Personal Dev & Self Awareness												
709010	Year-long	Integrated Math 1 A	9 - 10 (Intermediate)	Math Concepts & Skills Application of Math Statistical Literacy	Personal Dev & Self Awareness		Yearly Offerings	Integrated Math 1; recommended 2.5 or above Academic grade in Integrated 1									
709011		Integrated Math 1 B	9 - 10 (Intermediate)	Math Concepts & Skills Application of Math Statistical Literacy	Personal Dev & Self Awareness												
709020	Year-long	Integrated Math 2 A	9 - 12 (Intermediate)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness				Yearly Offerings	Integrated Math 2; recommended 2.5 or above Academic grade in Integrated 2							
709021		Integrated Math 2 B	9 - 12 (Intermediate)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness												
709030	Year-long	Integrated Math 3 A	9 - 12 (Advanced)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness					Yearly Offerings	Integrated Math 3; recommended 2.5 or above Academic grade in Integrated 3						
709031		Integrated Math 3 B	9 - 12 (Advanced)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness												
711000		Money Matters 1	11 - 12 (Advanced)	Financial Literacy Application of Math	Personal Dev & Self Awareness						Yearly Offerings	Integrated Math 1 Required during Junior or Senior year					
711001		Money Matters 2	11 - 12 (Advanced)	Financial Literacy Application of Math	Personal Dev & Self Awareness							Yearly Offerings	*Does not meet Financial Literacy graduation requirement				
710000	Year-long	Pre-Calculus A	11 - 12 (Advanced)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness								Yearly Offerings	Integrated Math 3; recommended 2.5 or above Academic grade in Integrated 3			
710001		Pre-Calculus B	11 - 12 (Advanced)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness												
710002		Semester Pre-Calc (Semester 2)	10-12 (Advanced)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness									Yearly Offerings	Integrated Math 3A ; accelerated version of Pre-calculus Semester 2 only; meets daily.		
712001		Statistical Reasoning	11-12 (Advanced)	Math Concepts & Skills Application of Math Statistical Literacy	Personal Dev & Self Awareness										Yearly Offerings	Integrated Math 3	
711010	Year-long	AP Calculus A	11 - 12 (Advanced)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness											Yearly Offerings	Pre-Calculus; recommended 2.5 or above Academic grade in Pre-calculus
711011		AP Calculus B	11 - 12 (Advanced)	Math Concepts & Skills Application of Math	Personal Dev & Self Awareness												Meets daily first semester.
909045		VHS Math	9 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	Yearly Offerings											See "Flexible Pathways" section to learn more about VHS
912024		Dual Enrollment - Math	12 (Advanced)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>												Yearly Offerings

SCIENCE (INQUIRY & CONTENT KNOWLEDGE)

Course Number		Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed		Prerequisite and Comments
1009000	Year-long	Foundational Science A	9 (Novice)	Life Science Physical Science Earth & Space Science Science Inquiry	Personal Dev & Self Awareness Problem Solving Collaboration Comm: Writing Comm: Reading	Yearly Offerings	Required for 9th graders as part of 9th grade team
1009001		Foundational Science B	9 (Novice)	Life Science Physical Science Earth & Space Science Science Inquiry	Personal Dev & Self Awareness Problem Solving Collaboration Comm: Writing Comm: Reading		
1010000	Year-long	Biology A: Basic Themes	9-12 (Intermediate)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Writing Comm: Reading		Foundational Science or instructor consent.
1010001		Biology B: Secrets of Life	9-12 (Intermediate)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Writing Comm: Reading		
1010040	Year-long	Physics 1 A	11 - 12 (Advanced)	Physical Science Science Inquiry	Personal Dev & Self Awareness Problem Solving		Foundational Science and IM 2, (Chemistry recommended)
1010041		Physics 1 B	11 - 12 (Advanced)	Physical Science Science Inquiry	Personal Dev & Self Awareness Problem Solving		
1009010	Year-long	Chemistry 1 A: Our Chemical World	10 - 12 (Intermediate)	Physical Science Science Inquiry	Personal Dev & Self Awareness Problem Solving		
1009011		Chemistry 1 B: A Closer Look At Atoms	9 - 12 (Intermediate)	Physical Science Science Inquiry	Personal Dev & Self Awareness Problem Solving		
1010025		Science in the News	9-12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated
1010030	Year-long	Second Year Chemistry A	10 - 12 (Flexible)	Physical Science Science Inquiry	Personal Dev & Self Awareness Problem Solving		Chemistry 1
1010031		Second Year Chemistry B	10 - 12 (Flexible)	Physical Science Science Inquiry	Personal Dev & Self Awareness Problem Solving	Chemistry 1	
1011040	Year-long	AP Biology A	11 - 12 (Advanced)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Reading	Foundational Science, Biology, Chemistry	
1011041		AP Biology B	11 - 12 (Advanced)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Reading		
1011042	Year-long	AP Biology Lab A	11 - 12 (Advanced)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Reading	Concurrent enrollment in AP Biology A	
1011043		AP Biology Lab B	11 - 12 (Advanced)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Reading		
910034		Guided Learning Opportunity (GLO) Science A	10 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior Science course, 2.5 or below academic grade in prior Science course, Tier 2 or 3 team recommendation	
910035		Guided Learning Opportunity (GLO) Science B	10 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior Science course, 2.5 or below academic grade in prior Science course, Tier 2 or 3 team recommendation	

909032		Independent Learning Opportunity (ILO) Science A	9 - 12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior Science course, 3.0 or above in academic prior Science course, Junior or Senior in good standing in Challenge Diploma Program
909036		Independent Learning Opportunity (ILO) Science B	9 - 12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior Science course, 3.0 or above in academic prior Science course, Junior or Senior in good standing in Challenge Diploma Program
912022		Dual Enrollment Science	12 (Advanced)	Determined Upon Enrollment	Determined Upon Enrollment		See "Flexible Pathways" section to learn more about Dual Enrollment
909042		VHS Science	9 - 12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		See "Flexible Pathways" section to learn more about VHS
1011011		Vermont Ecology	10 - 12 (Intermediate)	Life Science Science Inquiry	Personal Dev & Self Awareness Problem Solving Comm: Speaking & Listening		Biology
1011021		Energy, Pollution, and Climate Change	10 - 12 (Intermediate)	Earth & Space Science Science Inquiry	Personal Dev & Self Awareness Global Citizenship	Foundational Science A & B and Biology A & B	
1011020		Humans and the Natural World	10 - 12 (Intermediate)	Earth & Space Science Science Inquiry	Personal Dev & Self Awareness Global Citizenship	Foundational Science A & B and Biology A & B	
1011010		Human Anthropology	11-12 (Advanced)	Life Science	Personal Dev & Self Awareness Comm: Speaking & Listening Comm: Writing	Biology A & B or permission of instructor	
1010010		Biology of Foods: From Farm to Plate	10 - 12 (Flexible)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Speaking & Listening	Foundational Science, Biology	
1010050		Astronomy	10 - 12 (Intermediate)	Earth & Space Science Science Inquiry	Personal Dev & Self Awareness Comm: Writing Comm: Reading	Foundational Science	
1011000		Forensic Science	10 - 12 (Intermediate)	Life Science	Personal Dev & Self Awareness	Biology	
1011035		Human Anatomy and Physiology	10 - 12 (Flexible)	Life Science Science Inquiry	Personal Dev & Self Awareness Comm: Writing	Foundational Science A & B and Biology A & B	

Alternating Offerings (2021-22)

Alternating Offerings (2020-21)

PHYSICAL EDUCATION

Course Number		Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed		Prerequisite and Comments
809000	Year-long	Physical Education Level 1 A	9 (Intermediate)	Fitness Skills & Know Mvmnt Skills & Knowledge App Affective Qualities & Soc Int	Pers Dev & Self Awareness	Yearly Offerings	Required for all 9th graders
809001		Physical Education Level 1 B	9 (Intermediate)	Fitness Skills & Know Mvmnt Skills & Knowledge App Affective Qualities & Soc Int	Pers Dev & Self Awareness		
810000		PE Level 2	10 - 12 (Advanced)	Fitness Skills & Know Mvmnt Skills & Knowledge App Affective Qualities & Soc Int	Pers Dev & Self Awareness		PE Level 1
810004		Beyond the Gym	10-12 (Flexible)	Fitness Skills & Know Mvmnt Skills & Knowledge App Affective Qualities & Soc Int	Pers Dev & Self Awareness		The student must have previously completed PE Level 1 A & B or attained prior permission from the instructor to take this course in place of a semester of PE Level 1 PE.
810001		Personal Fitness	10 - 12 (Advanced)	Fitness Skills & Know Mvmnt Skills & Knowledge App Affective Qualities & Soc Int	Pers Dev & Self Awareness		PE Level 1 A and Level 1 B Classes may meet outside of the school day Must purchase Bristol Fitness Membership Can be repeated

810002	Personal Fitness (Before School)	10 - 12 (Advanced)	Fitness Skills & Know Mvmnt Skills & Knowledge App Affective Qualities & Soc Int	Pers Dev & Self Awareness	PE Level 1 A and Level 1 B Class will meet from 7:00 am to 8:00 am Must purchase Bristol Fitness Membership Can be repeated
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HEALTH EDUCATION

Course Number	Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed	Prerequisite and Comments
810013	Health & Wellness	10 - 12 (Intermediate)	Health Skills Health Concepts	Personal Dev & Self Awareness Comm: Writing Comm: Speaking & Listening	Required for graduation

ARTISTIC EXPRESSION

Course Number	Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed	Prerequisite and Comments	
309000	Introductory Art	9 - 12 (Intermediate)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness	Yearly Visual Arts Offerings	This is a prerequisite for several advanced art courses
1009020	Digital Photography	9 - 12 (Flexible)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness Problem Solving Comm: Speaking & Listening		Can be repeated 2x.
309010	Ceramics 1	9 - 12 (Intermediate)	Creating Performing/Presenting	Personal Dev & Self Awareness		
309015	Jewelry Design I / Metalsmithing	9 - 12 (Intermediate)	Creating Performing/Presenting	Personal Dev & Self Awareness		
310001	Drawing and Painting	10 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness		Introductory Art or permission from instructor
310015	Ceramics 2	10 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness		Ceramics 1 Can be repeated 2x.
311000	AP Studio Art and Design A	11 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness Collaboration		At least three high school visual arts classes or permission of the teacher leader. Can be repeated 2x.
311001	AP Studio Art and Design B	11 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness Collaboration		
309021	Studio Exploration	9 - 12 (Intermediate)	Creating Performing/Presenting	Pers Dev & Self Awareness	(2020-21)	
310002	Art and Technology	9-12 (Intermediate/ Advanced)	Creating Performing/Presenting Responding/Reflecting Design and Problem Solving Technology and Machine Operation	Pers Dev & Self Awareness Problem Solving		Introductory Art, Intro to CAD, Intro to Woodworking, Intro to Industrial Technology suggested but not required
310030	Art, Power & Politics	10 - 12 (Intermediate/ Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness Global Citizenship		Introductory Art suggested but not required
309005	Calligraphy	9 - 12 (Intermediate)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness	(2021-22)	Can be repeated 2x.
310020	Jewelry Design II / Metalsmithing	10 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness		Jewelry Design I

309065		Learn Guitar	9 - 12 (Intermediate)	Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness	Yearly Music Offerings	Can be repeated 2x.
309050	Year-long	Band A	9 - 12 (Intermediate/ Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness		Can be repeated.
309051	Year-long	Band B	9 - 12 (Intermediate/ Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness		Can be repeated.
309030	Year-long	Performing Chorus A	9 - 12 (Intermediate/ Advanced)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness Collaboration		Can be repeated.
309031	Year-long	Performing Chorus B	9 - 12 (Intermediate/ Advanced)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness Collaboration		Can be repeated.
309060		Piano Class	9 - 12 (Intermediate)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness Problem Solving		Can be repeated.
309075		Music & Media	9 - 12 (Intermediate)	Responding/Reflecting	<i>Determined Upon Enrollment</i>		Can be repeated 2x.
309045	Year-long	Music Department Leadership Development	9 - 12 (Intermediate)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated.
309054	Year-long	Jazz Ensemble A	9 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness		Meets before school. Can be repeated.
309055	Year-long	Jazz Ensemble B	9 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness		Audition; HS Band or permission from instructor
309040	Year-long	A Cappella A	9 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Pers Dev & Self Awareness Collaboration		Meets before school. Can be repeated.
309041	Year-long	A Cappella B	9 - 12 (Advanced)	Creating Performing/Presenting Responding/Reflecting	Personal Dev & Self Awareness Collaboration		Audition; Performing Chorus or have permission from the director

WORLD LANGUAGE

Course Number		Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed	Prerequisite and Comments
609000	Year-long	French 1 A	8 - 12 (Novice)	Culture Communication	Personal Dev & Self Awareness	
609001	Year-long	French 1 B	8 - 12 (Novice)	Culture Communication	Personal Dev & Self Awareness	
609010	Year-long	French 2 A	9 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	French 1; recommended 2.5 or higher Academic grade in French 1B
609011	Year-long	French 2 B	9 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	
610000	Year-long	French 3 A	10 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	French 2; recommended 2.5 or higher Academic grade in French 2B
610001	Year-long	French 3 B	10 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	
611000	Year-long	French 4 A	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	French 3; recommended 2.5 or higher Academic grade in French 3B
611001	Year-long	French 4 B	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	

611010	Year-long	French 5 A	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	French 4; recommended 2.5 or higher Academic grade in French 4B
611011	Year-long	French 5 B	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	
609020	Year-long	Latin 1 A	8 - 12 (Novice)	Culture Communication	Personal Dev & Self Awareness	
609021	Year-long	Latin 1 B	8 - 12 (Novice)	Culture Communication	Personal Dev & Self Awareness	
609030	Year-long	Latin 2 A	9 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	Latin 1; recommended 2.5 or higher Academic grade in Latin 1B
609031	Year-long	Latin 2 B	9 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	
610010	Year-long	Latin 3 A	10 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	Latin 2; recommended 2.5 or higher Academic grade in Latin 2B
610011	Year-long	Latin 3 B	10 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	
611020	Year-long	Latin 4 A	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	Latin 3; recommended 2.5 or higher Academic grade in Latin 3B
611021	Year-long	Latin 4 B	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	
612000	Year-long	Latin 5 A	12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	Latin 4; recommended 2.5 or higher Academic grade in Latin 4B
612001	Year-long	Latin 5 B	12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	
609040	Year-long	Spanish 1 A	8 - 12 (Novice)	Culture Communication	Personal Dev & Self Awareness	
609041	Year-long	Spanish 1 B	8 - 12 (Novice)	Culture Communication	Personal Dev & Self Awareness	
609050	Year-long	Spanish 2 A	9 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	Spanish 1; recommended 2.5 or higher Academic grade in Spanish 1B
609051	Year-long	Spanish 2 B	9 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	
610020	Year-long	Spanish 3 A	10 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	Spanish 2; recommended 2.5 or higher Academic grade in Spanish 2B
610021	Year-long	Spanish 3 B	10 - 12 (Intermediate)	Culture Communication	Personal Dev & Self Awareness	
611040	Year-long	Spanish 4 A	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	Spanish 3; recommended 2.5 or higher Academic grade in Spanish 3B
611041	Year-long	Spanish 4 B	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	
611050	Year-long	Spanish 5 A	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	Spanish 4; recommended 2.5 or higher Academic grade in Spanish 4B
611051	Year-long	Spanish 5 B	11 - 12 (Advanced)	Culture Communication	Personal Dev & Self Awareness	
910036		Guided Learning Opportunity (GLO) World Language Exploration A	9-12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior World Language course, 2.5 or below academic grade in prior World Language course, Tier 2 or 3 team recommendation
910037		Guided Learning Opportunity (GLO) World Language Exploration B	9-12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior World Language course, 2.5 or below academic grade in prior World Language course, Tier 2 or 3 team recommendation

Yearly Offerings

909033	Independent Learning Opportunity (ILO) World Language Exploration A	9-12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment	(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior World Language course, 3.0 or above in academic prior World Language course, Junior or Senior in good standing in Challenge Diploma Program	
909028	Independent Learning Opportunity (ILO) World Language Exploration B	9-12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW prior World Language course, 3.0 or above in academic prior World Language course, Junior or Senior in good standing in Challenge Diploma Program
909043	VHS World Language	9-12 (Flexible)	Determined Upon Enrollment	Determined Upon Enrollment		See "Flexible Pathways" section to learn more about VHS

DESIGN TECHNOLOGY EDUCATION

Course Number	Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed	Prerequisite and Comments	
1209043	Intro to Metal Design & Fabrication	9 - 12 (Intermediate)	Tech & Machine Operation Design & Problem Solving Technology & Society	Personal Dev & Self Awareness Problem Solving	Yearly Offerings (2020-21) (2021-22)	
1206044	Advanced Metal Design & Fabrication	9-12 (Advanced)	Tech & Machine Operation Design & Problem Solving	Personal Dev & Self Awareness Problem Solving		Intro to Metal Design & Fabrication Can be repeated 4x.
1209010	Intro to CAD Technologies	9 - 12 (Intermediate)	Tech & Machine Operation Design & Problem Solving	Personal Dev & Self Awareness		Intro to CAD Technologies Can be repeated 3x.
1206011	Advanced CAD Technologies	9-12 (Advanced)	Tech & Machine Operation Design & Problem Solving	Personal Dev & Self Awareness Problem Solving		Intro to Architectural Engineering Can be repeated 3x.
1209021	Intro to Architectural Engineering	9 - 12 (Intermediate)	Design & Problem Solving	Personal Dev & Self Awareness Problem Solving		Intro to Wood Design & Fabrication Can be repeated 4x.
1209022	Advanced Architectural Engineering	9 - 12 (Advanced)	Tech & Machine Operation Design & Problem Solving	Personal Dev & Self Awareness Problem Solving		
1209033	Intro to Wood Design & Fabrication	9 - 12 (Intermediate)	Tech & Machine Operation Design & Problem Solving	Personal Dev & Self Awareness Problem Solving		
1209034	Advanced Wood Design & Fabrication	9-12 (Advanced)	Tech & Machine Operation Design & Problem Solving	Personal Dev & Self Awareness Problem Solving		
1209007	Intro to Programming & Robotics	9 - 12 (Intermediate)	Tech & Machine Operation Design & Problem Solving	Personal Dev & Self Awareness Problem Solving		
310002	Art and Technology	9-12 (Intermediate/Advanced)	Creating Performing/Presenting Responding/Reflecting Design and Problem Solving Technology and Machine Operation	Pers Dev & Self Awareness Problem Solving		Introductory Art, Intro to CAD, Intro to Woodworking, Intro to Industrial Technology suggested but not required

DRIVER EDUCATION

Course Number	Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed	Prerequisite and Comments
1210040	Driver Education A	10 - 12 (Advanced)	Driver Ed Classroom	Personal Dev & Self Awareness	A valid learner's permit on the first day of class.
1210041	Driver Education B	10 - 12 (Advanced)	Driver Ed Classroom	Personal Dev & Self Awareness	A valid learner's permit on the first day of class.

1210042	Driving Lab A	10 - 12 (Advanced)	Driver Ed Classroom In Vehicle Driving	Personal Dev & Self Awareness	Yearly C	A valid learner's permit on the first day of class.
1210043	Driving Lab B	10 - 12 (Advanced)	Driver Ed Classroom In Vehicle Driving	Personal Dev & Self Awareness		A valid learner's permit on the first day of class.

OTHER

Course Number	Course by Semester	Grade Level (Benchmark)	Content Proficiencies Assessed	Transferable Skills Proficiencies Assessed		Prerequisite and Comments
1209050	Outdoor Survival Skills	9 - 12 (Intermediate)	<i>Determined Upon Enrollment</i>	Pers Dev & Self Awareness Problem Solving Collaboration	Yearly Offerings	Spring Semester Only
210050	Yearbook A	9 - 12 (Intermediate)		Personal Dev & Self Awareness Collaboration		Can be repeated.
210055	Yearbook B	9 - 12 (Intermediate)		Personal Dev & Self Awareness Collaboration		Can be repeated. Yearbook advisor recommendation to continue into second semester
909013	On the Job Learning A	11 - 12 (Advanced)	<i>Determined Upon Enrollment</i>	Personal Dev & Self Awareness Collaboration Global Citizenship Comm: Reading Comm: Writing		Can be repeated 4x.
909014	On the Job Learning B	11 - 12 (Advanced)	<i>Determined Upon Enrollment</i>	Personal Dev & Self Awareness Collaboration Global Citizenship Comm: Reading Comm: Writing		Can be repeated 4x.
1109064	Work-Based Learning A	Flexible		<i>Determined Upon Enrollment</i>		Can be repeated 6X Prerequisite: PLP documenting WBL experience Eligibility: A student must be a minimum of 16 years old to enroll. A student enrolled in a paid learning experience must hold valid work documentation, such as a Social Security card.
1109065	Work-Based Learning B	Flexible		<i>Determined Upon Enrollment</i>		Can be repeated 6X Prerequisite: PLP documenting WBL experience Eligibility: A student must be a minimum of 16 years old to enroll. A student enrolled in a paid learning experience must hold valid work documentation, such as a Social Security card.
909021	DUO (Do Unto Others...) A	9 - 12 (Intermediate)	<i>Determined Upon Enrollment</i>	Personal Dev & Self Awareness Comm: Writing		Can be repeated.
909026	DUO (Do Unto Others...) B	9 - 12 (Intermediate)	<i>Determined Upon Enrollment</i>	Personal Dev & Self Awareness Comm: Writing		Can be repeated.
909044	VHS Learning A	9 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated. Complete VHS application and VHS readiness survey
909048	VHS Learning B	9 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated. Complete VHS application and VHS readiness survey
912023	Dual Enrollment A	11-12 (Advanced)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated 2x.
912026	Dual Enrollment B	11-12 (Advanced)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Can be repeated 2x.
910070	Proficiency-based Learning Commons	9-12 Flexible	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>		Academic grade of 1.5-2.0 in content area course.

910038	Guided Learning Opportunity (GLO) Elective A	10 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior Personalized Learning course, 2.5 or below academic grade in prior Personalized Learning course, Tier 2 or 3 team recommendation Can be repeated.
910039	Guided Learning Opportunity (GLO) Elective B	10 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(do not need to meet all of them) 2.9 or below academic grade in Introduction to ILO Elective, 1.9 or below HOW grade in prior Personalized Learning course, 2.5 or below academic grade in prior Personalized Learning course, Tier 2 or 3 team recommendation Can be repeated.
909034	Introduction to Independent Learning Opportunity (ILO) Elective A	9 - 10 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW, Junior or Senior in good standing in Challenge Diploma Program
909064	Introduction to Independent Learning Opportunity (ILO) Elective B	9 - 10 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW, Junior or Senior in good standing in Challenge Diploma Program
909057	Independent Learning Opportunity (ILO) Elective A	10 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW, Junior or Senior in good standing in Challenge Diploma Program
909039	Independent Learning Opportunity (ILO) Elective B	10 - 12 (Flexible)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	(must meet one): 3.0 or above in academic grade for Introduction to ILO Elective, 3.0 or above in Middle School Challenge, 3.0 or above in HOW, Junior or Senior in good standing in Challenge Diploma Program
909046	VHS Adv Placement	9 - 12 (Advanced)	<i>Determined Upon Enrollment</i>	<i>Determined Upon Enrollment</i>	See "Flexible Pathways" section to learn more about VHS

Student:	4 Year Plan - At-A-Glance <i>Mt Abraham Union HS</i>		Counselor: Dufault Kamman
YOG:			Advisor:

Content Area (Proficiency Credits Required)	9th Grade	Pr	10th Grade	Pr	11th Grade	Pr	12th Grade	Pr	Totals
Literacy (4)	English 9 A English 9 B		English 10 A English 10 B						
Social Studies (Knowledge & Skills) (3.5)	Global Studies A Global Studies B		US History A US History B		US Government & Politics*		US Government & Politics*		
Science (Inquiry & Content Knowledge) (3)	Foundational Science A Foundational Science B		Biology A Biology B						
Mathematics (Content & Practices) (3)					Money Matters 1*		Money Matters 1*		
Physical Education (1.5)	PE Level 1 A PE Level 1 B								
Health Education (0.5)			Health & Wellness						
Artistic Expression (1)									
World Language (2 years required for most colleges and universities)									
Design Technology Education									
Driver Education									
Other									
TOTALS (6 courses per semester needed to be considered full time and eligible for co-curricular activities)									**

Bolded courses are required at the grade level they are listed.

**Money Matters 1 and US Government and Politics are required in either junior or senior year to meet graduation requirements.*

***24 proficiency credits (7.5 elective proficiency credits beyond required content) are required to adequately demonstrate proficiency for both content and transferable skills.*