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Dear Students, Parents and Guardians:

Thoughtful planning for and during your Lamoille Union High School years is important. This newly revised Program of Study is filled with information essential to obtaining the broadest benefits from your high school experience. Because so many of your future options may depend on the choices made during high school, we encourage you to include your parents, teachers and guidance counselors in planning discussions.

We encourage you, too, to find out all that you can about the many avenues of learning open to you here at Lamoille Union. Greater awareness and thoughtful preparation mean greater choices. Are you considering:

- A four year college or university;
- A two year liberal arts college with possible transfer to a four year college;
- A two year college for technical, occupational or vocational training;
- A short-term (one year or less) proprietary school (e.g., to study cosmetology, truck driving, etc.);
- The military and its educational, training, travel, service opportunities, or;
- A year of national or local community service (e.g. Americorps);
- The world of work immediately following high school?

Review this Program of Study carefully: read each section fully, paying particular attention to the suggested courses of study and various options for four year planning. While there is no precise path you should take to qualify for a particular college, school or work type, there are strong recommendations.

We encourage you to consult with your guidance counselor routinely during your high school years. The guidance office is a rich environment to help you search out colleges, programs and learning opportunities. This is an era of rapidly evolving job development and wide-ranging education opportunities. The better informed you make yourself, the greater your options will be. Your future job may not yet be designed.

We strongly encourage you to take as demanding an academic program as you can. We also urge you to enrich yourself and strengthen your community through service-learning and volunteer activities, which abound here at Lamoille. Keep in mind, too, the programs and learning available next door at the Green Mountain Technical and Career Center. Access for juniors and seniors has never been easier and growing flexibility within some programs has allowed a greater range of students to benefit. Elective study in music, band, art, technical education, businesses and computer educations, family and consumer sciences all significantly contribute to your quality of life, knowledge and personal growth. Student-designed coursework pursued through JSC, CCV and our own Independent Studies Program can enrich both your high school experience and possibilities for the future.

As always, we are here to help you make the most of high school and wish you well in your studies.

Sincerely,

Brian Schaffer
Principal

Dana Jewett
Assistant Principal

Mark Floyd
Guidance Director

James A. Massucci
School Counselor
Grades 10-12

Deborah Zmich
School Counselor
Grades 10-12

David Crary
School Counselor
Grades 7-8

Devin Camerlengo
School Counselor
Grade 9

GRADUATION REQUIREMENTS

To earn a Lamoille Union High School diploma, students must obtain the following credits:

English	4
Social Studies	3
U.S. History required	
Mathematics	3
Science	3
Fine Arts/Visual or Performing Arts	1
Physical Education	1 ½
Health	½
<u>Electives</u>	<u>8</u>
Total Credits Required:	24

Any request for a waiver of a graduation requirement should be made as early as possible, but in no case later than October 1st of the student's senior year.

Instruction in technical center programs and other subjects which provide content, skills, or concepts of the subject areas listed above may be counted in part toward meeting graduation requirements.

In the case of students with disabilities, alternative requirements for graduation may be specified in a student's multi-year individual education program.

In awarding credit, the high school principal in collaboration with the guidance director are empowered to interpret, evaluate and grant credit to students for equivalent educational experiences taken at other state approved and/or regionally accredited educational institutions to satisfy the requirements outlined here.

EARLY GRADUATION PROCEDURE

It is the policy of the District #18 Board to allow any high school student, who meets the academic requirements of the high school, to graduate and receive a diploma in less than four (4) years.

HIGH SCHOOL COURSE OF STUDY

A student will begin planning their high school career with guidance counselors from both the middle school and high school. It is important to begin planning for post-secondary education or job readiness skills as early as possible. Using the “Start Where You Are” online exploration tool, students will identify interest areas and career goals during the eighth grade year. This activity will help them develop a plan for high school that allows them to schedule classes which are necessary for achieving their academic and career goals. This course of study may be adjusted throughout high school to reflect changing interests, abilities and emerging competencies.

ALTERNATIVE GRADUATION PATHS

Students may pursue an LUHS diploma through alternative programs, including a collaboration with Adult Basic Education, Job Corps and the Adult Diploma Program. Students should consult with their guidance counselor in order to learn more about these options. Please note that there are firm deadlines for application and completion of alternative programming.

FULL TIME STATUS

All high school students are required to take the equivalent of the following minimum credit course load:

Grade 9	7 credits (Unless otherwise recommended by middle school team teacher.)
Grade 10	6 credits
Grade 11	6 credits
Grade 12	5 credits

ACADEMIC YEAR AND CREDIT

The academic year is divided into four quarters, each approximately eight weeks in length. Academic credit is defined and earned by successfully completing courses as follows:

- full year courses (four quarters or two semesters) = 1 credit
- half year courses (two quarters or one semester) = 1/2 credit

GRADE STATUS

Grade status (i.e. 9th, 10th, 11th or 12th) is determined by the number of credits earned and required courses successfully completed each year. The minimum number of earned credits to be considered in a grade are as follows:

10th grade student.....6 credits
11th grade student.....12 credits
12th grade student.....18 credits

SCHEDULE CHANGES -- ADD/DROP PROCEDURES

During the first week of each semester a student may change her/his schedule only if:

1. a change is needed due to an inappropriate or incorrect placement
2. the student is adding a course in place of a study hall

After the first week of school a student can change her/his schedule only if:

1. the student meets the minimum academic requirements of a full course load after the change
2. approval of the parent/guardian is granted
3. teacher approval for both the course dropped and the course added is secured
4. approval of the guidance counselor and department chair is obtained

Note: Lateral moves are made only when initiated by the department chair or administration.

Class changes do not go into effect until all signatures have been obtained.

COURSE WITHDRAWAL

Any course withdrawals made after the first ten days of each semester will be recorded on the student's permanent record. No partial credit will be given and the student will be ineligible that quarter for the honor roll if he/she receives a W/F. Withdrawals are recorded as follows:

WP – Withdraw Passing: is recorded if a student is passing at the time the course is dropped.

WF- Withdraw Failing: is recorded if the student is failing at the time the course is dropped.

ADVANCED PLACEMENT EXAMINATIONS

Advanced Placement Examinations will be available for all LUHS Advanced Placement courses. Taking Advanced Placement Examinations may exempt students from beginning level courses in college so that they may elect higher level courses. Other courses may offer Advanced Placement Examinations as determined on a yearly basis. Students taking AP courses are required to take the AP test in May. The school will pay the exam fee. Students who successfully complete an AP course will receive a letter of recommendation from the principal.

SPECIAL EDUCATION OPPORTUNITIES

The special education staff provides comprehensive services to all students who are eligible for IEP and 504 accommodations. The special education staff offers a variety of classes to the student population of L.U.H.S. on an “as needed” basis. The population that is usually served are students who are currently on IEP’s (Individual Education Plans), 504 plans and some students on EST plans. Determination as to whether or not a class needs to be established is based on “number” and “need” as it applies to the individual’s learning needs.

Traditionally, there is a Resource English class offered for all four grade levels, when necessary. There is a Resource Math class, but the type of math will depend on the student population and needs.

Basic Skill Instruction classes are offered in order to assist 504, IEP and students on EST plans with the skills necessary for successful completion of classes needed for graduation. Entry into any of these classes is based on special education staff recommendations, comprehensive evaluations and/or student or parent request.

ADDITIONAL SUPPORT SERVICES/OPTIONS:

- Access Program – supported study/social skills
- School to Work Program
- Personal Learning Plan Program
- Math Lab (optional study hall)

COURSE SELECTION AND PLANNING FOR FUTURE OPTIONS

Careful planning for the high school years is important. Because so many opportunities may rest on the choices made during high school, we encourage students to talk with parents or guardians, teachers and guidance counselors, learning about the many options available after high school. Greater awareness can produce better choices. Among the post-secondary options available to students are:

- a four-year college or university,
- a two-year college with a possible transfer to a four year college,
- a two-year college specifically for occupational, technical or vocational training,
- a certificate program for occupational training,
- the military for education, training, travel and service opportunities,
- service and mentoring opportunities,
- entry into the workplace.

Read the following section carefully. Pay attention to the suggested courses of study and sample four-year plans for various post-secondary options. While there is no exact course of study students should take in order to enter a particular college, school or area of work, there are standard recommendations.

Students should consult with their guidance counselor for the requirements for attending specific colleges, occupational or technical schools. **Admission requirements vary. Catalogues should be read early for exact admission requirements.** Students should also keep in mind the changing work force and its educational qualifications when developing post-secondary plans.

Regardless of the direction students plan to go after high school, we strongly recommend that students take the most challenging academic program possible. Keep in mind that the Green Mountain Technology and Career Center courses complement college preparation courses and that electives from music, art, career/technical education, business/computer, and practical arts can significantly contribute to a student's education and to future possibilities. The schedule of the academic day allows students access to multiple options.

SUGGESTED COURSES AND SEQUENCES FOR STUDENTS CONSIDERING POST-SECONDARY EDUCATION

While there may be a few exceptions, most four year colleges and universities and several categories of two year occupational/technical schools have **minimum** requirements of:

English	4 years
Mathematics	3 years (Algebra I Yr 1*, Algebra I Yr 2* and Algebra II*)
Science	3 years (one should be Chemistry* or Physics*)
Social Studies	3 years (one should be U. S. History Adv.*)
Foreign Language	2 years (of <u>the same</u> foreign language)+

Requirements also vary according to the potential area of study. Students should meet with their guidance counselor to plan for specific areas of study.

+Four years of the same foreign language are not only highly recommended but expected for very selective and competitive colleges.

Please note that students taking Advanced Placement courses are required to take the AP test in May. The school will pay the exam fee.

* An asterisk denotes an advanced level course.

EXAMPLES OF STUDY FOR STUDENTS WHO ARE CONSIDERING A TWO OR FOUR-YEAR COLLEGE, OR TWO-YEAR TECHNICAL COLLEGES ARE:

Grade 9

English 9 Advanced*
Foreign Language I or II*
Great Civilizations Advanced*
Algebra I/Geometry Yr 1* or
Algebra I/Geometry Yr 1
Biology I*
Physical Education/Health
Study Hall
Physical Education/Health
Electives

Grade 10

English 10 Advanced*
Foreign Language II or III*
U. S. History Advanced*
Algebra II* or
Algebra I/Geometry Yr 2* or
Algebra I/Geometry Yr 2
Adv. Earth Science* or
Adv. Chemistry
Physical Education
Fine Arts
Electives

Grade 11

English Advanced*
Foreign Language III or IV*
Chemistry* or Physics* or
Anatomy & Physiology* or
Ecology & Environment*
Soc. Studies Elective/Modern World/
Problems of Democracy/Economics/World
History AP*
Pre-Calc.* or Statistics*
or Algebra II*
Electives

Grade 12

English Adv.* or AP English*
Foreign Language IV* or V*
AP Chem.* or AP Bio.* or
Adv. Physics*
Anatomy & Physiology* or
Ecology & Environment*
Soc. Studies Elective/Modern
World/Problems of
Democracy/Economics/
World History AP*/Personal
Law/Social Psychology
Algebra II* or Statistics* or
AP Calculus* or Pre-Calc.*
Electives

*An asterisk denotes an advanced level course.

- Please note that one year of fine arts must be scheduled and passed at some point in the four-year program to meet graduation requirements. Courses may be chosen from the visual or performing arts.
- Foreign language is recommended but may not be required for two-year technical colleges.

EXAMPLES OF STUDY FOR APPLIED ACADEMICS, TECHNICAL EDUCATION AND OTHER POST-SECONDARY OPPORTUNITIES:

- admission to a two-year career/occupational school
- admission to a one-year technical, trade/occupational school
- enlistment in the military
- entrance into the work force upon graduation
- admission to GMTCC

Students will want to emphasize a combination of general studies, applied academics, career, technical courses offered in the regular high school curriculum and/or GMTCC.

Grade 9

English 9 or Everyday English
Great Civilization, General or Basic
Algebra I/Geometry Yr 1* or
Algebra I/Geometry Yr 1
General Biology or Life Science
Physical Education/Health
9th Grade Advisory
Electives/Fine Arts

Grade 11

English
Modern History, General or Basic
Algebra II
General Physics/Science Elective
Electives/GMTCC

Grade 10

English 10
U.S. History, General or Basic
Algebra I/Geometry Yr 2* or
Algebra I/Geometry Yr 2
Earth Science, General or Basic
Physical Education
Electives/Pre Tech.

Grade 12

English
Social Studies elective
Consumer Math and/or Topics in
Math
Science elective
Electives/GMTCC

- Please note that one year of fine arts must be scheduled and passed at some point in the four-year program to meet graduation requirements. Courses chosen from the visual and performing arts meet this requirement.

- **Algebra I/Geometry Yr 1 and Algebra I/Geometry Yr 2 are strongly recommended** for students considering vocational/technical training, college and GMTCC.
- General Physics is strongly recommended for vocational/technical training and college.
- Students who wish to attend a two-year college where the objective is to train for an occupation may not be required to have college-type mathematics or a foreign language in their program. However, most schools of this type encourage students to elect as many college preparatory courses as the student can handle. Data processing courses usually require at least algebra and geometry. Business colleges may or may not require that students take business courses in high school.
- Students should check with their guidance counselor for the specific requirements of schools and occupations they may be considering.

If students plan to attend the GMTCC, they will need to check the additional recommended courses and electives which must be taken prior to entry.

GREEN MOUNTAIN TECHNOLOGY AND CAREER CENTER

In addition to the classes listed above, the Green Mountain Technology and Career Center (GMTCC) offers a number of full-day, 6 credit programs for juniors and seniors. A student must also be 16 years of age to participate in one of the career and technical courses. Students must complete an application and meet the admission requirements for the specific program. The following programs are available:

Automotive Technology	Multimedia & Design
Business Administration	Small Engines/Welding
Computer Systems Technology	
Construction Technology	Health & Human Services
Culinary Arts	(3-5 students per area of concentration)
Electrical Technology	Child Care
Forestry & Land Mgmt Technology	Cosmetology
Heating, Ventilation, Air Conditioning	Dental Assistant
Hospitality & Tourism	Massage Therapist
	Nursing Assistant
	Veterinary Assistant

These programs each feature an embedded academic credit which is applied toward the student's high school graduation requirement. Please consult the GMTCC [Program of Studies](#) for information on admission and course requirements. Students should speak with their guidance counselor about GMTCC opportunities.

A pre-technology program is offered by nomination from a guidance counselor or other interested adults to rising tenth graders. This program prepares students to meet academic requirements toward high school graduation and for possible entry in a career/technology program in the eleventh or twelfth grade. Each pre-technology student will earn a core unit of credit in applied academics for English, mathematics, science and social studies (US history).

INDEPENDENT STUDY/PERSONAL LEARNING PLANS

According to Policy 6.4, Courses Outside of a Regular Curriculum, students may obtain credit for independent study. Students will be awarded up to 1 credit for each college course. Please see Policy 6.4 for specifics. Students may also be awarded credit for work experience. Please speak with your guidance counselor in order to obtain the correct forms for approval.

ACADEMIC HONESTY

We at LUHS believe that all students should pursue their studies with intellectual honesty and academic integrity. Students who fail to acknowledge their sources, who borrow from the work of others, or who misrepresent the work of others as their own are plagiarizing. Information copied directly from the Internet without giving proper credit to the source is plagiarism. The penalty for plagiarism or cheating is a zero for the assignment and a hearing with the department head and administration to decide on further disciplinary consequences including impact on National Honor Society eligibility or if removal from the course is necessary. Students who plagiarize or cheat will not be allowed to make up the missed assignment(s) in question.

FINAL NOTE ON COURSE SELECTION

In selecting courses students are encouraged to review four year plans, post secondary options, current academic progress and the recommendations of current teachers. To help determine the level of difficulty in a given course, students should carefully read the description and consult with teachers and their guidance counselor.

We ask that parents and guardians encourage students to enroll in the most challenging courses available based on their current demonstrated capabilities and desired future plans.

Students must keep in mind that much of **their progress as a high school student depends on their personal motivation to learn, as well as self-discipline and willingness to take advantage of the opportunities offered by the school and community.** Please remember that completion of minimum graduation requirements will not necessarily meet college admission requirements.

ENGLISH DEPARTMENT COURSE OFFERINGS

<u>COURSE</u>	<u>COURSE #</u>	<u>RECOMMENDED GRADE LEVEL</u>	<u>PAGE</u>
English 9: Everyday English	101	9	14
English 9: General	102	9	14
English 9: Advanced*	103	9	15
English 10: General	112	10	15
English 10: Advanced*	113	10	16
Modern Writing with Technology	120	11-12	16
Contemporary Issues and Literature	121	11-12	17
Film and Fiction: The Art of Script Construction	122	11-12	17
General Creative Writing and Multicultural Literature	123	11-12	18
Mass Media and Popular Culture	124	11-12	18
Professional/Business Communications	125	11-12	19
Advanced Creative Writing and Utopian Literature*	131	11-12	19
Honors British Literature*	132	11-12	20
Science Fiction, Mystery and Fantasy*	133	11-12	20
Advanced Placement (AP) Literature*	134	11-12	21
Advanced Composition and Modern Literature*	135	11-12	21

The English Department recognizes the value of teaching students English language skills they will need for future success. Students entering their junior year receive assistance from their present English teacher in selecting elective courses appropriate to their interests, abilities and long-term goals. The Department believes students should maintain a “B” average for advanced placement courses.

ENGLISH 9: EVERYDAY Course # 101
ENGLISH

1 credit

Grade 9

PREREQUISITE: Middle school teacher recommendation

Focusing on the practical uses of English in the world around us, this course shows students how to use standard English in a variety of situations. Students will work on reading fiction, non-fiction and practical documents. In writing, students will develop short pieces, letters, and job applications.

Evaluation Methods: daily progress, tests, quizzes, writing

ENGLISH 9: GENERAL Course # 102

1 credit

Grade 9

PREREQUISITE: Middle school teacher recommendation

In this course reading about world literature covers an introduction to short stories, mythology and the epic. Personal observations and critical thinking are improved through a series of writing exercises. Vocabulary is developed through work in context and with a series of essential literary terms. A library project encourages the development of research skills and report writing. Notebooks, journals and assignment books are required as tools for learning. In addition, students are introduced to reading and reflection on poetry, drama and the novel. Students will focus on writing extended pieces and essays on a variety of subjects. Independent reading is encouraged to help students develop their abilities. In-class reading and viewing of Shakespearean plays completes the year.

Evaluation Methods: research papers, unit tests, quizzes, homework completion, writing portfolios, short presentations, exam

ENGLISH 9:
ADVANCED*

Course # 103

1 credit

Grade 9

PREREQUISITE: Middle school teacher recommendation and satisfactory completion of summer reading/response journal

This is a college preparatory course designed to give students an academic foundation for success in subsequent Advanced English courses at Lamoille Union High School.

The course emphasizes the fundamentals of standard English. Formal composition in exposition is stressed; individuals practice writing skills. Research papers are required. Literature studies include, but are not limited to, works of world literature in the short story, short drama and poetry. Vocabulary building and development are stressed. A Shakespearean work is also studied. Prior to the last day of class in June in 8th grade students will need to see the instructor of this class to obtain the summer reading assignment. **This assignment is due the first day of class in order to remain in this class.**

Evaluation Methods: research papers, unit tests, vocabulary and grammar quizzes, journals, homework assignments, writing folders, oral presentations, exam

ENGLISH 10: GENERAL Course # 112

1 credit

Grade 10

PREREQUISITE: Successful completion of English 9 General or permission of instructor

The focus of the reading in this course is American literature and history. This course will emphasize the introduction of and competence in the techniques used in literary analysis of literature. Students will read short stories, poetry, drama, non-fiction, the legend and the novel. This course includes a chronological survey of United States history from the colonial period to the present. The focus is maintained on those people and events which had a key role in shaping the direction of the country as a whole.

The writing program includes the essay form (especially the expository and comparison/contrast essay), poetry and the reader's response journal. Grammar, usage and mechanics will be addressed both systematically and as individual need dictates.

Evaluation Methods: research papers, essays, reading journals, quizzes, tests, oral reports, exam

ENGLISH 10:
ADVANCED*

Course # 113

1 credits

Grade 10

PREREQUISITE: Successful completion of English 9 Advanced with at least an “85” average and satisfactory completion of a summer reading/response journal

This course is a survey of American literature and themes from the colonial period to the present in order to facilitate greater understanding of the connections between historical events. Critical thinking and reading skills are developed through response to the literature. Students will examine important American themes through intensive literary analysis. A guiding question throughout the course will be *What is an American?* To be able to write critically is essential for post-secondary education of all types, so writing assignments will include literary analysis as well as journal keeping, reports, formal essays, fiction and poetry.

Willingness to work hard and to develop strong study skills are necessary for success in this class. Daily writing and challenging reading are essential parts of the course. Prior to the last day of class in June students will need to see the instructor of this class to obtain the summer reading assignment. **This assignment is due the first day of class in order to remain in this class.**

Evaluation Methods: research papers, quizzes, response journals, tests, oral and written book reviews, final projects, essays, daily writings

ENGLISH ELECTIVES FOR JUNIORS & SENIORS

Elective courses for juniors and seniors meet regularly throughout the year. Successful completion of each elective course earns one English credit.

MODERN WRITING
WITH TECHNOLOGY

Course # 120

1 credit

Grades 11-12

PREREQUISITE: Successful completion of freshman and sophomore English

The goals of this class are to use technology to enhance students' writing abilities. Students will publish works of fiction and non-fiction, discuss modern novels and current essays, explore current trends in English language development and prepare essays for college. Suggested readings include Seabiscuit, Bone, The Things They Carried and other modern works.

Evaluation Methods: research papers, portfolio of completed writings, technological displays, tests and quizzes

**CONTEMPORARY
ISSUES AND LITERATURE**

Course # 121

1 credit

Grades 11-12

PREREQUISITE: Successful completion of English 9 and 10

This course is an examination of current events, locally, nationally, and globally. Students will expand their knowledge of major news events, gaining a better understanding of how complex the various issues in the news can be. Students will be expected to express their opinion on various issues by supporting their ideas with factual information. A familiarity of today's issues and the leaders who control these issues and events will be required, as well as daily reading of newspapers. Students will also read and discuss literary works in fiction, drama, poetry and nonfiction by contemporary American and world authors. Daily reading and writing are part of this course, as well as some viewing of television. Multimedia projects are required elements.

Evaluation Methods: research papers, essays, academic journals, oral presentations, tests, final projects

**FILM AND FICTION:
THE ART OF SCRIPT CONSTRUCTION**

Course # 122

1 credit

Grades 11-12

PREREQUISITE: Successful completion of freshman and sophomore English requirements

Students who elect Film and Fiction are interested in learning how to write a movie script. Through a close reading of a minimum of four novels and several shorter works, students practice creating scripts from existing works of fiction. Students will also learn the fundamentals of the language of film so they will be able to best visualize the scenes they script. To supplement their script writing, students will be introduced to major film styles and motifs of movies of the twentieth century. Students will also develop their critical skills by note taking, journal entries, essays and formal panel discussions on related topics. The course is open to any interested juniors or seniors. Film and Fiction is offered at 7:30 a.m., especially for juniors and seniors in vocational courses. Other juniors and seniors are welcome to sign up for this Film and Fiction course, #122EM.

Evaluation Methods: scripts, quizzes, papers (including research), examinations

GENERAL CREATIVE WRITING AND MULTICULTURAL LITERATURE **Course # 123** **1 credit** **Grades 11-12**

PREREQUISITE: Successful completion of freshman and sophomore English

General Creative Writing is a creative writing class for students who are working at the general level. Students will experiment and practice with a variety of writing forms and genres. They will produce complete works of their choosing and assigned pieces. For the class, students will free write, work on writing exercises, read, and keep a journal; a number of works will be revised to publishable quality. Students will also be assigned books to read and analyze as a class. These works will explore the writing and diverse cultures in the U.S. and beyond.

Evaluation Methods: completion of assignments, effort in in-class workshops and editing, rubric assessed completed works and final copies

MASS MEDIA AND POPULAR CULTURE **Course # 124** **1 credit** **Grades 11-12**

PREREQUISITE: Successful completion of freshman and sophomore English requirements

This course examines the history and development of the print and electronic media. The course also looks at how mass communication and the advertising industry influence our popular culture. Students will read a variety of essays and news articles; there will also view related documentaries and films.

Evaluation Methods: weekly quizzes, media reviews, group projects, research and reaction papers, and class participation

**PROFESSIONAL
/BUSINESS COMMUNICATIONS**

Course #125

1 credit

Grades 11-12

PREREQUISITE: successful completion of freshman and sophomore English

Technical and business careers in the 21st century will rely on solid communication skills as well as a complete grounding in the mechanics of the chosen occupation. Professional/Business Communications is a course designed specifically for students enrolled in GMTCC. The course recognizes the students' varied professional goals and seeks to give students a broad ability to improve their skills in research, technical writing and reading, as well as communication with the public in a professional manner.

Evaluation Methods: successful completion of the assignments in the major areas of study; development of a professional resume; a completed writing/speaking portfolio; tests; quizzes

**ADVANCED CREATIVE Course # 131
WRITING AND UTOPIAN LITERATURE***

1 credit

Grades 11-12

PREREQUISITE: Successful completion of freshman and sophomore English with a recommendation from the department.

Creative writing is designed for students who wish to explore the world of writing. This honors course emphasizes intensive writing on a daily basis in a variety of formats and styles. Writing prompts, journals, short stories, creative projects, and vocabulary are included in the work. Creative writing covers the first semester (½ year) and then shifts into Utopian Literature.

Utopian Literature is designed for students to explore the ideas and concepts of utopia and dystopia. The course involves intensive reading, writing and creative projects aimed to discover and expand upon perfect and ideal world concepts. A summer reading assignment is required. Prior to the last day of class in June students will need to see the instructor of this class to obtain the summer reading assignment. **This assignment is due the first day of class in order to remain in this class.**

Evaluation Methods: writing journals, projects, vocabulary, quizzes, student assessment, participation and work completion

HONORS BRITISH Course # 132
LITERATURE*

1 credit

Grades 11-12

PREREQUISITE: Successful completion of advanced sophomore English or permission of the department

A survey of British literature from the Heroic tradition of the Anglo-Saxon Age to the Individualism of the Romantic Period. Students examine the development of literature and language, develop analytical skills through a comparison of philosophical ideas and practice using a multitude of learning styles which include, but are not limited to, individual/group presentations. Extensive reading/writing assignments are an integral part of this college prep course. Prior to the last day of class in June students will need to see the instructor of this class to obtain the summer reading assignment. **This assignment is due the first day of class in order to remain in this class.**

Evaluation Methods: quizzes, tests, oral presentations, written work (including a research paper), exams

SCIENCE FICTION, Course # 133
MYSTERY AND FANTASY*

1 credit

Grades 11-12

PREREQUISITE: Open to both general and honors students who have satisfied their freshman and sophomore English requirements

This course will examine works of literature with science fiction, mystery and fantasy themes. Poe, King, Shelley, Rice, Tolkien, Bradbury, and Asimov are some of the authors studied. Students will look at the impact the genres of science fiction, mystery and fantasy have on our society.

Students will keep a daily reading log, write several short papers, make oral presentations, and participate in oral discussions. Weekly vocabulary tests and monthly reports are required. Prior to the last day of class in June you will need to see the instructor of this class to obtain the summer reading assignment. **This assignment is due the first day of class in order to remain in this class.**

Evaluation Methods: quizzes, tests, essays, response journal, multimedia projects, discussions and book reports

ADVANCED
PLACEMENT (AP) LITERATURE*

Course # 134

1 credit

Grades 11-12

PREREQUISITE: Successful completion of freshman and sophomore English; instructor's recommendation; completion of the summer reading: The Adventures of Huckleberry Finn, including a 10 page response journal

Students will study the major genres of literature: novels, short stories and poetry. They will learn the major critical theories and literary terms in each genre. Furthermore, the students will study the major themes and periods of American and British literature. In the second semester students will study classic texts from a variety of genres in preparation for the AP examination in May. Following the AP examination students will work on a variety of projects that show younger students the use of literature. Prior to the last day of class in June students will need to see the instructor of this class to obtain the summer reading assignment. **This assignment is due the first day of class in order to remain in this class.**

Evaluation Methods: research papers, essays, academic journals, other written work, oral presentations, tests, final projects, exam

ADVANCED
COMPOSITION AND MODERN LITERATURE*

Course # 135

1 credit

Grades 11-12

PREREQUISITE: Successful completion of English 9 and English 10

This advanced course will help students express their opinions in clear, logical, forceful pieces of writing. Using current issues to support ideas, and using a process approach, students will brainstorm, revise, and complete the process with edited pieces of writing. This course emphasizes formal essay structure. Students will then work on learning research skills and writing more sophisticated prose. This course will provide time and assistance for writing college application essays. Students will examine modern issues and topics through reading, discussion and writing. Students will write in a variety of forms. In the second semester, students will develop their skills responding to fiction and non-fiction. Prior to the last day of class in June students will need to see the instructor of this class to obtain the summer reading assignment. **This assignment is due the first day of class in order to remain in this class.**

Evaluation Methods: research papers, portfolio of completed writings, tests and quizzes, writing journal and research project

MATHEMATICS DEPARTMENT

COURSE OFFERINGS

<u>COURSE</u>	<u>COURSE #</u>	<u>RECOMMENDED GRADE LEVEL</u>	<u>PAGE</u>
Introduction to Algebra I/Geometry	400	9-11	24
Algebra I/Geometry Yr 1	404	9	24
Algebra I/Geometry Yr 2	406	10	25
Algebra I/Geometry Yr 1 Advanced *	408	8-12	25
Algebra I/Geometry Yr 2 Advanced *	409	9-12	25
Algebra II	420	10-12	26
Algebra II Advanced*	421	10-12	26
Statistics and Probability*	423	10-12	26
Consumer Mathematics /Statistics	430	11-12	27
Topics in Mathematics	431	11-12	27
Pre-Calculus*	432	11-12	28
Advanced Placement (AP) Calculus*	434	12	28

MATHEMATICS

Planning your mathematics program 8 - 12

Track A – Accelerated College Preparatory

8th grade: Algebra I/Geometry Yr 1 Advanced*

9th grade: Algebra I/Geometry Yr 2 Advanced*

10th grade: Algebra II Advanced*

11th grade: Pre-Calculus* or Statistics and Probability*

12th grade: AP Calculus*, Pre-Calculus* or Statistics and Probability*

Track B – College Preparatory A

9th grade: Algebra I/Geometry Yr 1

10th grade: Algebra I/Geometry Yr 2

11th grade: Algebra II

12th grade: Pre-Calculus*, Statistics and Probability*, Consumer Math/Topics in Math

Track C – Career and College Preparatory B

9th grade: Introduction to Algebra I/Geometry

10th grade: Algebra I/Geometry Yr 1

11th grade: Algebra I/Geometry Yr 2

12th grade: Consumer Mathematics/Statistics and Topics in Mathematics

- Evaluation methods may include tests, quizzes, homework, class work, class projects, notebook, exams, portfolio exercises and other appropriate assessment tools.
- The Math Department recommends all high school students plan a four-year math program (take at least four math classes during high school).
- Students are expected to have and use calculators in all levels of math courses. Each math classroom has a set of TI-84 calculators for use in the classroom only.
- Students expecting to attend a four-year college need to successfully complete Algebra II or beyond.
- The Math Department places emphasis on showing multiple methods to problem solving – graphical, numerical, algebraic and discussion by reason.
- Math Lab (alternative to study hall for a limited number of students as assigned)

**INTRODUCTION
TO ALGEBRA I/GEOMETRY**

Course # 400

1 credit

Grades 9-11

PREREQUISITE: Teacher recommendation

This first course in mathematics is intended to strengthen students' skills in pre-algebra and help them to be better prepared for Algebra I. Students will strengthen their skills in number operations and integers, fractions and percentages. Students will also be introduced to algebraic concepts including linear equalities and inequalities, and will begin to explore geometric and statistical concepts.

Evaluation Methods: a large emphasis is placed on effort and class participation, other evaluation tools include journal writing, quizzes, tests, projects, exams and notebooks

**ALGEBRA I
/GEOMETRY YR I**

Course # 404

1 credit

Grade 9

PREREQUISITE: Successful completion of Intro. to Algebra I/Geometry/8th grade math

This first course in math for Track B college-bound students consists of algebraic connections, properties of real numbers, and writing, solving and graphing linear equations and inequalities. Students will also be immersed in the language of geometry as they explore polygons, area and circumference of circles and sectors of circles, as well as surface area and volume of three dimensional figures.

Evaluation Methods: homework, quizzes, tests, class work, class projects, notebooks, exams, portfolio exercises and other appropriate assessment tools

ALGEBRA I
/GEOMETRY YR 2

Course # 406

1 credit

Grade 10

PREREQUISITE: Successful completion of Algebra I/Geometry Yr 1

This second course in our math for Track B college-bound students consists of continued exploration of systems of linear equations and inequalities, exponents and exponential functions, quadratic equations and functions, polynomials and factoring and rational expressions and equations. Students will continue to explore radicals and more connections to geometry through exposure to Pythagorean's Theorem and Right Triangle Trigonometry, coordinate geometry including the distance and midpoint formulas, similarity of right triangles and the various types of transformations.

Evaluation Methods: homework, quizzes, tests, notebooks, class work, class projects, notebooks, exams, portfolio exercises and other appropriate assessment tools.

ALGEBRA I
/GEOMETRY YR 1 ADVANCED*

Course # 408

1 credit

Grades 8-12

PREREQUISITE: Algebra Aptitude Test and/or teacher recommendation

This first course in math for the Track A college-bound student includes expressions, equations and functions, properties of real numbers, solving, graphing and writing linear equations and linear inequalities, polygons, length, area, surface area, volume and systems of linear equations and inequalities.

Evaluation Methods: tests, homework, quizzes, class work, class projects, notebooks, portfolio exercises, exams and other appropriate assessment tools

ALGEBRA I
/GEOMETRY YR 2 ADVANCED*

Course # 409

1 credit

Grades 9-12

PREREQUISITE: Successful completion of Algebra I/Geometry Yr 1 Advanced*

This second course in math for the Track A college-bound student includes exponents and exponential functions, polynomials and factoring, quadratic equations and functions, radicals and geometry connections, rational equations and functions, probability and data analysis and transformations.

Evaluation Methods: tests, quizzes, homework, class work, class projects, notebooks, exams, portfolio exercises, and other appropriate assessment tools

ALGEBRA II

Course # 420

1 credit

Grades 10-12

PREREQUISITE: Successful completion of Algebra I/Geometry Yr 1 & Yr 2

Course content includes sets of numbers, axioms, open sentences in one variable, systems of linear equations and inequalities, polynomials, factoring, rational numbers and expressions, complex equations, variation and proportion, analytical geometry, exponential and logarithmic functions, basic trigonometric functions, progressions and binomial expansion, polynomial expansion, polynomial functions, probability, statistics, matrices and determinants.

Evaluation Methods: tests, quizzes, homework, class work, portfolio exercises, class projects, notebooks, exams and other appropriate assessment tools

**ALGEBRA II
ADVANCED***

Course # 421

1 credit

Grades 10-12

PREREQUISITE: Successful completion of Algebra I/Geometry Yr 1 & Yr 2 with a minimum grade of “80” or permission of instructor

A strong background in the major topics of Algebra I/Geometry is desirable. Course content includes sets of numbers, axioms, open sentences in one variable, systems of linear equations and inequalities, polynomials, factoring, rational numbers and expressions, complex equations, variation and proportion, analytical geometry, quadratic systems and equations, exponential and logarithmic functions, basic trigonometric functions and complex numbers, progressions and binomial expansion, polynomial expansion, polynomial functions, probability, statistics, matrices and determinants.

Evaluation Methods: tests, quizzes, homework, class work, portfolio exercises, class projects, notebooks, exams and other appropriate assessment tools

**STATISTICS AND
PROBABILITY***

Course # 423

1 credit

Grades 10-12

PREREQUISITE: Algebra I/Geometry Yr 1 & Yr 2 Advanced*

This course is an exploration of the major topics necessary to form a strong background at an introductory level for Statistics and Probability. Course content includes descriptive statistics, probability, discrete and normal probability distribution, confidence intervals, hypotheses tests of one and two samples, correlation and regression, Chi square tests and non-parametric statistics tests.

Evaluation Methods: tests, quizzes, homework, class work, class projects, notebooks, portfolio work, exams and other appropriate assessment tools

**CONSUMER
MATHEMATICS/STATISTICS**

Course # 430

½ credit

Grades 11-12

PREREQUISITE: Two credits of high school mathematics

Topics include checking accounts, saving accounts, hourly wages, salary and benefits, life insurance, energy expenses, net pay, cash purchases, loans, auto expenses, probability and statistics, economic literacy, nutrition and home budgeting (order of topics is flexible and subject to change). Statistics and probability will be explored at an introductory level. Course content may include basic probability, frequency distributions, graphs, description of data counting principles, discrete and binomial probability distributions.

Evaluation Methods: tests, quizzes, homework, class work, class projects, notebooks, portfolio exercises, exams and other appropriate assessment tools

**TOPICS IN
MATHEMATICS**

Course # 431

½ credit

Grades 11-12

PREREQUISITE: Two credits of high school mathematics

This course will cover 3-5 special topics. Each topic will include: library/internet research on history, practical application, mathematics instruction and practice, and a final project. Final projects will be constructions that will serve as the unit evaluation. Each topic will also require students to complete a report on their research. Topics could include fractals, bridge construction, tessellations, pyramids, codes, mapping, Fibonacci sequence, Golden proportion, and patterning.

Evaluation Methods: tests, quizzes, homework, class work, class projects, notebooks, portfolio exercises, exams and other appropriate assessment tools

PRE-CALCULUS***Course # 432****1 credit****Grades 11-12****PREREQUISITE: Successful completion of Algebra II* or Algebra II with permission of the instructor**

Pre-Calculus is the fourth course in the college preparatory mathematics sequence. Heavy emphasis is placed on functions and their behavior. Linear, quadratic and other polynomial functions are investigated as well as exponential and logarithmic functions, advanced algebra applications, complex numbers, limits and statistics. Additional study includes right triangle trigonometry, circular functions, radian measure, trig identities and formulas, inverse functions, graphing, the polar coordinate system and applications in solving problems using trigonometry.

Evaluation Methods: tests, quizzes, class work, class projects, exams and other appropriate assessment tools

**ADVANCED PLACEMENT
(AP) CALCULUS*****Course # 434****1 credit****Grade 12****PREREQUISITE: Pre-Calculus with a minimum grade of “85”**

This course includes derivatives and applications of the derivative, integration - definite and indefinite, applications of the integral, differential and integral calculus of transcendental functions, methods of integration, differential equations (ordinary type), and history of math. The AP Exam (AB) is given in May.

Evaluation Methods: tests, quizzes, homework, class work, class projects, notebooks, portfolio exercises, exams and other appropriate assessment tools

SCIENCE DEPARTMENT COURSE OFFERINGS

<u>COURSE</u>	<u>COURSE #</u>	<u>RECOMMENDED GRADE LEVEL</u>	<u>PAGE</u>
Life Science: Basic	501	9	30
Biology: General	502	9	31
Biology I: Advanced*	504	9	31
Earth Science: Basic	511	10	32
Earth Science: General	512	10	32
Earth Science: Advanced*	513	10	33
Ecology & Environmental Science*	517	10-12	33
Anatomy & Physiology Advanced*	518	10-12	34
Physics: General	521	11-12	34
Physics: Advanced*	522	11-12	35
Environmental Studies: Basic	523	11-12	35
Chemistry: General	525	11-12	36
Chemistry: Advanced*	526	11-12	36
Meteorology	530	11-12	36
Biology: Advanced Placement (AP)*	533	11-12	37
Chemistry: Advanced Placement (AP)*	534	11-12	37

SCIENCE

Planning your science program 9-12

<u>Grade</u>	<u>Accelerated College Prep</u>	<u>College Prep (some 4/2 year colleges or tech. schools)</u>	<u>Career Prep</u>
9	Biology I Adv.*	Biology I Adv.* or Bio. Gen.	Life Science
10	Adv. Earth Science* and Adv. Chemistry*	Adv. or Gen. Earth Science	Basic Earth Science
11	Adv. Chemistry* or Adv. Physics*	Adv. or Gen. Chemistry	Meteorology/Astron.
12	Adv. Physics* or AP Biology* or AP Chemistry*	Anatomy & Physiology or Adv. Physics* or Meteorology/ Astronomy	Science credit may be earned through GMTCC

NOTE: In order to fully access the entire science curriculum course offerings in the Accelerated College Prep grouping, students may need to take more than one science course per year.

LIFE SCIENCE: BASIC Course # 501 1 credit Grade 9

PREREQUISITE: Recommendation of teacher and guidance counselor

Life Science is a basic level course designed to help students gain an understanding of the relationship among living organisms. Topics include the study of the tools of science, local flora and ecology, vertebrate classes and their adaptations, environmental problems and issues, human biology and physiology, heredity and plant biology.

Evaluation Methods: tests, labs, worksheets, homework, projects, exam

BIOLOGY: GENERAL **Course # 502** **1 credit** **Grade 9**

PREREQUISITE: Recommendation of teacher and guidance counselor

This course begins with a look at how organisms on earth are related to one another and to their physical environment; a good deal of emphasis is placed on the effects that humans have had on this delicate balance, and ways in which we can hopefully lessen our impact. The second half of the course deals with how animals of varying levels of complexity are each adapted to survive in their particular environment; included is a systematic, in-depth study of human biology. To gain an understanding of these topics students will keep a notebook and do a healthy amount of outside reading, as well as participate in field studies, classroom experiments, and projects of their own design.

Evaluation Methods: homework, tests, quizzes, experiments and projects, final exam

BIOLOGY I: ADVANCED* **Course # 504** **1½ credits** **Grade 9**

PREREQUISITE: Recommendation of teacher and guidance counselor; for motivated students considering post-secondary education this course meets a laboratory science requirement for admission to college

Biology studies living systems. The modern trend in biological education is to emphasize organization, function and relationship. The student is introduced to the chemical basis for life. She/he learns how life continues from generation to generation. The student becomes familiar with the varied forms of living things, both plant and animal, and also uses and improves her/his reading and writing skills. Students completing biology should increase their understanding of the living condition. The student should be more able to answer the questions: “How are living things organized?” “What is life?” This course is designed for students considering post-secondary education.

Evaluation Methods: quizzes, labs, tests, homework, final exam

EARTH SCIENCE: **Course # 511** **1 credit** **Grade 10**
BASIC

PREREQUISITE: Recommendations of teacher and guidance counselor

This is a basic course designed for the study and investigation of the planet Earth, its place in the universe, and the forces which affect it. Units of study include: the universe as we see it, the sun, the moon, and solar system; materials and chemistry of the Earth's crust; earthquake, volcanism and mountain building; the record of Earth history in the rocks; changes caused by wind, water, and ice; the atmosphere, including weather and climate, and the oceans. Problem solving, original thinking, discussion of environmental problems affecting the earth and individual investigation of topics are encouraged. Laboratory investigations or worksheets appropriate to the unit of study are used with each major topic.

Evaluation Methods: testing, laboratory activities, worksheet, final exam

EARTH SCIENCE: **Course # 512** **1 credit** **Grade 10**
GENERAL

PREREQUISITE: Recommendation of teacher and guidance counselor

This course is designed for the study and investigation of the planet Earth, its place in the universe, and the forces which affect it. Units of study include: river environments and chemistry; the universe as we see it; materials and chemistry of the earth's crust; earthquakes, volcanism and mountain building; the record of earth history in rocks; changes caused by wind, water and ice; the atmosphere, including weather and climate. Problem solving, original thinking, discussion and research on environmental problems affecting the earth are required.

Evaluation Methods: quizzes, tests, homework, laboratory activities and reports, research projects and reports, final exam

EARTH SCIENCE:
ADVANCED*

Course # 513

1½ credits

Grade 10

PREREQUISITE: Recommendation of teacher and guidance counselor

The course is designed for study and investigation of the planet Earth and the forces which shape and affect it. Units of study include: materials and chemistry of the Earth's crust, plate tectonics, earthquakes, volcanoes, mountain building, rocks and minerals, erosion, glaciers, soils, the atmosphere, weather, and the oceans. Problem solving, original thinking, discussion of environmental problems affecting the earth and individual investigation of topics through projects and reports are encouraged. Laboratory investigations appropriate to the unit of study are used with each major topic.

Evaluation Methods: testing, laboratory activities, worksheets, research projects, article reviews, final exams

ECOLOGY AND
ENVIRONMENTAL SCIENCE: ADVANCED*

Course # 517

¾ credits

Grades 11-12

PREREQUISITE: Completion of Biology I with an “80” or better or permission of the instructor

This course studies ecosystems and the impact that humans have on our environment. Emphasis will be on the interactions between plants, animals, soil, water and air. This course will include numerous outdoor lab activities and independent study. This course is highly recommended for any student planning to pursue a career in the biological sciences.

Evaluation Methods: tests, labs, homework, projects, exams, class and lab participation

ANATOMY & PHYSIOLOGY: ADVANCED* **Course # 518** **¾ credits** **Grades 11-12**

PREREQUISITE: Completion of Biology I with an “80” or better, or permission of the instructor. Must have taken Chemistry or be enrolled concurrently.

This course will study the cells, tissues, organs and organ systems that make up vertebrates with emphasis on the human body. Extensive lab work will be done with dissections, including a fetal pig. This course is highly recommended for any student planning to pursue a career in the biological and health related sciences.

Evaluation Methods: tests, labs, dissections, homework, projects, exams, class and lab participation

PHYSICS: GENERAL **Course # 521** **1 credit** **Grades 11-12**

PREREQUISITE: Algebra or Integrated Math I and II

This course is designed to encourage the student with college and/or vocational interests to obtain an applied knowledge of physics along with the appropriate skills to meet the challenge of everyday science. The course work concentrates on areas of mechanics, machines, sound, light, magnetism, electricity and matter. These topics will be applied to force work, power and energy as a basis for development. It is the intent of this course to provide a solid background in physics for future study and application in the physical world.

Evaluation Methods: quizzes, tests, lab reports, projects, problem solving, class participation, exam

PHYSICS: ADVANCED* Course # 522 1½ credits Grades 11-12

PREREQUISITE: Algebra II (strong math skills recommended)

This is a college preparatory course based on scientific inquiry through experimentation. Students will use advanced levels of mathematics to describe and predict phenomena. The following topics will be covered: mechanics (linear and rotary), matter, heat, wave motion, sound, light, electricity (static, direct, alternating) and nuclear energy.

Evaluation Methods: tests, quizzes, laboratory reports, oral presentations, problem solving, research paper, class discussions, mid-term exam, final exam

ENVIRONMENTAL Course #523 ½ credit Grades 11-12
STUDIES: BASIC

PREREQUISITE: None

This is a general level course for upperclassmen. This course is interdisciplinary, involving a wide variety of topics and considerations from different specialty areas of study. However, underlying the broad nature of the course are these five common themes: the need for a scientific approach to understanding; all environmental processes are interconnected; humans have great capacity to alter natural systems; social and cultural considerations are important to problem solving, and sustainability is crucial to our long-term quality of life. Topics of study will vary but include natural resources, ecological principles, population dynamics, energy use, human interaction with environments, and cover international, national, state and local issues. Numerous articles will need to be read for this class.

Evaluation Methods: individual research projects, class discussions, quizzes, oral presentations, final exam

CHEMISTRY:
GENERAL

Course # 525

1 credit

Grades 11-12

PREREQUISITE: Recommendation of teacher and guidance counselor

This course is designed to “learn by doing”. The student has the opportunity to learn many facts and applications of Chemistry through the laboratory approach that prevails throughout the course. Simple problems in “daily life” chemistry, such as agricultural, domestic, ecological and industrial chemistry, are emphasized. This is not classified as a laboratory science course because of limited college type lab work.

Evaluation Methods: daily reading, lab reports, tests, quizzes, class participation, mid-term exam, final exam

CHEMISTRY:
ADVANCED*

Course # 526

1½ credits

Grades 11-12

PREREQUISITE: Algebra I, Biology I and/or Earth Science Advanced, recommendation of instructor, strong math skills recommended

The course presents the basic principles of chemistry and aims to achieve a thorough knowledge in basic concepts. It will develop creative, analytical, and logical thinking involving quantitative relationships. Theory, application, structure and bonding will be emphasized.

Evaluation Methods: lab reports, quizzes, tests, class participation, mid-term exam, final exam

METEOROLOGY

Course # 530

½ credit

Grades 11-12

PREREQUISITE: Earth Science

Meteorology is a course designed for the study and investigation of the Earth’s atmosphere, weather and climates. Topics of study include: air and its properties, wind, atmospheric moisture, precipitation, air masses, weather fronts, climates, control of weather, observation of weather, measurement of factors affecting weather, the weather map, forecasting, and human influence upon the atmosphere. Methods of study include discussion of topics, observation and measurement of weather factors and the use of weather maps. An individual project will be done as well, emphasizing research and presentation/public speaking skills.

Evaluation Methods: testing, laboratory exercises, quizzes, research presentation, exam, weather measurements

BIOLOGY: ADVANCED Course # 533 1½ credits Grades 11-12
PLACEMENT (AP)*

PREREQUISITE: Teacher recommendation only

AP Biology is meant to be a very challenging course for a student who has already taken biology and is willing to work very hard. The course will cover the topic at the collegiate level, which will require extensive homework, numerous laboratory write-ups, extensive reading, individual research and intention by the student to take the AP exam in the spring. **This course is offered every other year, depending on minimum enrollment. The next time this course will be offered is 2010-2011.**

Evaluation Methods: chapter/topic tests on a regular basis, laboratory work, homework, numerous article summaries, individual research experiment, oral presentations, quizzes

CHEMISTRY: Course # 534 1½ credits Grades 11-12
ADVANCED PLACEMENT (AP)*

PREREQUISITE: Teacher recommendation only

This is a challenging course which is taught at the level of a freshman college chemistry course. A major goal is to prepare the student to take the AP Chemistry examination in the spring, which if passed, may allow the student to apply for college credit in chemistry at many colleges and universities. Problem solving and the quantitative aspects of chemistry are emphasized, along with analytical and critical thinking. Extensive laboratory investigations are used to help develop logical and quantitative relationships. Topics of study include: electron structure; chemical bonding; stoichiometry; acids and bases; gas laws; thermochemistry; electrochemistry; and reaction kinetics. **This course is offered every other year depending on minimum enrollment. The next time this course would be offered is 2009-2010.**

Evaluation Methods: tests, quizzes, laboratory activities and reports, mid-term exam, final exam

SOCIAL STUDIES DEPARTMENT COURSE OFFERINGS

<u>COURSE</u>	<u>COURSE #</u>	<u>RECOMMENDED GRADE LEVEL</u>	<u>PAGE</u>
Great Civilizations: Basic	301	9	39
Great Civilizations: General	302	9	39
Great Civilizations: Advanced*	303	9	39
U. S. History: Basic	311	10	39
U. S. History: General	312	10	40
U. S. History: Advanced*	313	10	40
Modern World History: General	322	11-12	40
Modern World History: Advanced*	323	11-12	41
Personal Law	331	12	41
Social Psychology	332	12	41
Problems in Democracy*	333	11-12	42
Economics*	334	11-12	42
World History: Advanced Placement (AP)*	335	11-12	42

The Social Studies Department course offerings will give students opportunities to acquire the skills described in Vermont's Framework of Standards and Learning Opportunities (copies of which can be obtained from the department, administration or guidance). In addition, social studies courses emphasize the acquisition of factual knowledge and the development of critical thinking skills.

Please note that the primary differences between advanced, general and basic courses involve the amount and difficulty of reading and writing assignments.

Evaluation Methods may include, but are not limited to: quizzes, tests, projects, oral reports, cooperative assignments, essays, journals, current events, and participation.

GREAT CIVILIZATIONS: BASIC **Course # 301** **1 credit** **Grade 9**

PREREQUISITE: Recommendation of teacher and guidance counselor

This course is designed as a survey of world history ranging from pre-history to modern times. Civilizations to be studied may include but are not limited to Egypt, the Fertile Crescent, Greece, Rome, Europe, China, India, Japan, Africa and Pre-Columbian America and Latin America.

GREAT CIVILIZATIONS: GENERAL **Course # 302** **1 credit** **Grade 9**

PREREQUISITE: Recommendation of teacher and guidance counselor

This course is designed as a survey of world history ranging from pre-history to modern world. Civilizations to be studied include Egypt, the Fertile Crescent, Greece, Rome, Europe, China, India, Japan, Africa, Pre-Columbian America and Latin America

GREAT CIVILIZATIONS: ADVANCED* **Course # 303** **1 credit** **Grade 9**

PREREQUISITE: Recommendation of teacher and guidance counselor

This course is designed as a survey of world history ranging from pre-history to seventeenth century England. Civilizations to be studied include Egypt, the Fertile Crescent, Greece, Rome, Europe, China, India, Japan, Africa, Pre-Columbian America and Latin America.

U.S. HISTORY: BASIC **Course # 311** **1 credit** **Grade 10**

PREREQUISITE: Recommendation of teacher and guidance counselor; required for graduation

This course is a chronological survey of the history of America. The content includes major historical events from the period of exploration up to the present day. Reading, writing and discussion skills are emphasized.

U. S. HISTORY: **Course # 312** **1 credit** **Grade 10**
GENERAL

PREREQUISITE: Recommendation of teacher and guidance counselor; required for graduation

This course is a chronological survey of United States History from the colonial period to the present. The focus is maintained on those people and events which had a key role in altering the direction of the country as a whole.

U. S. HISTORY: **Course # 313** **1 credit** **Grade 10**
ADVANCED*

PREREQUISITE: Recommendation of teacher and guidance counselor; required for graduation

Advanced United States History is taught in thematic units in order to facilitate greater understanding of the connections between historic events. The thematic units include foreign policy, domestic politics, the western frontier, women in US history, African-American history, the impact of technology in US history, and current cultural/political issues.

MODERN WORLD **Course #322** **1 credit** **Grades 11-12**
HISTORY: GENERAL

PREREQUISITE: Great Civilizations and U.S. History or recommendation of most recent social studies teacher or Social Studies Department Chair

This course explores the evolution and development of citizenship, government and civilizations from approximately 1300 onward. Students are encouraged to make connections between the historic and the present state of societies worldwide. They analyze the major stages in how cultures interact and how diffusions affect their identities. Students study national and international current events weekly and write reflective responses connecting themes in history to events of today.

This course explores different regions of the world chronologically. This course emphasizes the national standards of geography and the Vermont standards covering economics, the meaning of citizenship and types of government.

Evaluation Methods: daily reading and writing assignments, weekly coverage of current events, essay writing, group activities and one independent research project

**MODERN WORLD
HISTORY: ADVANCED***

Course # 323

1 credit

Grades 11-12

PRE-REQUISITE: Great Civilizations and U.S. History or recommendation of most recent social studies teacher or Social Studies Department Chair

This course explores the evolution and development of citizenship, government and civilizations from approximately 1300 onward. Students are encouraged to make connections between the historic and the present societies worldwide. They analyze the major stages in how cultures interact and how diffusion affects their identities. Students study national and international current events weekly and write reflective responses connecting themes in history to events of today.

This course explores different regions of the world chronologically. This course emphasizes the national standards of geography and the Vermont standards covering economics, the meaning of citizenship and types of government. Students can use this course as preparatory for Advanced Placement World History.

Evaluation Methods: freehand mapping of regions of the world (assessment based on improvement), nightly and weekend readings, documentation of current events, essay writing (using AP format), oration, debate and independent research

PERSONAL LAW

Course # 331

½ credit

Grade 12

PREREQUISITE: U. S. History and one other social studies credit

This course provides practical information and problem solving opportunities that develop in students the knowledge and skills necessary for survival in our litigious society. The content includes introduction to the legal system, criminal and juvenile justice, consumer law, family law, and housing law.

SOCIAL PSYCHOLOGY

Course # 332

½ credit

Grade 12

PREREQUISITE: Two years of social studies credit

This course offers the students a lively, interesting and challenging introduction to the ways sociologists investigate, describe and analyze social life. Students will learn the concepts and techniques of sociology and gain a feeling for the significance of sociological research.

**PROBLEMS IN
DEMOCRACY***

Course # 333

½ credit

Grades 11-12

PREREQUISITE: Great Civilizations and U. S. History or recommendation of guidance counselor and teacher

This course will cover the fundamental structure of the U. S. democracy. Students will analyze a variety of issues that confront the United States and will be encouraged to develop positions on them. Students are expected to actively participate.

ECONOMICS*

Course # 334

½ credit

Grades 11-12

PREREQUISITE: Great Civilizations and U. S. History or recommendation of guidance counselor and teacher

This course explores economic theories with an emphasis on the free market system. Students will be encouraged to develop positions regarding personal economic behavior as well as positions on important national and international issues. Students are expected to actively participate.

**WORLD HISTORY:
ADVANCED PLACEMENT (AP)***

Course # 335

1 credit

Grade 11-12

PREREQUISITE: Self motivated juniors or seniors. Must have permission of the department head and instructor; a grade average of “B” with two years of social studies credit. Must be willing and able to write essays based on extensive research. Summer studies required.

This course is separate from the advanced, general and basic world history courses offered. It will concentrate on essay writing, interpreting and analyzing primary resources and thematic presentations of history. Students will study global patterns over time and will understand the relationship and impact of local, national and international events. Students will also learn to construct and evaluate perspectives using evidence to make plausible arguments.

Evaluation Methods: sample multiple choice questions from AP tests, three styles of essay writing tested on the AP exam, essay writing, slide presentations, oral presentations, self evaluation and assessment

FOREIGN LANGUAGE COURSE OFFERINGS

<u>COURSE</u>	<u>COURSE #</u>	<u>RECOMMENDED GRADE LEVEL</u>	<u>PAGE</u>
French I	211	8-12	44
French II	212	9-12	44
French III	213	10-12	45
French IV*	214	11-12	45
French V*	215	11-12	46
Spanish I	221	8-12	46
Spanish II	222	9-12	47
Spanish III	223	10-12	47
Spanish IV*	224	11-12	48
Latin I	231	9-12	48
Latin II	232	10-12	49
Latin III	233	11-12	49
Latin IV*	234	12	49

We encourage students to experience other languages and cultures as a means of developing a deeper understanding of how our country is part of an increasingly interdependent world. Students will learn to use a foreign language effectively and appropriately in a range of situations and for a variety of purposes. Students will demonstrate knowledge and develop awareness and appreciation of other languages and cultures. Through the second language the student will develop a clearer understanding of the English language and a greater sensitivity to structure, vocabulary and syntax. Learning a foreign language also enhances career opportunities and facilitates world travel for business, pleasure or education. Many colleges and universities require a minimum of two years of the same foreign language for admission. Selective colleges will typically require 3 or 4 years of the same foreign language for admission.

We strongly recommend that a student maintain a high average in order to succeed in the next level of study. To this end, students may borrow textbooks over the summer and review guides will be available upon request.

FRENCH I**Course # 211****1 credit****Grades 8-12****PREREQUISITE: Recommendation of 8th grade English teacher and team**

This course is designed for students who have no prior knowledge of French. Students will work on developing basic reading and listening skills, along with speaking and writing skills to allow them to express their own ideas, needs, and feelings. Students will have opportunities to practice real life situations in French, as well as explore Francophone culture as they gain sensitivity to the sounds and rhythms of the French language. Students are introduced to the parts of speech, including regular and irregular verbs in the present and future tenses. Classroom activities are geared toward practical communication. Homework is directly linked to success in classroom activities and testing.

Evaluation Methods: homework, class participation and effort, skits and dialogues, written and oral quizzes, written and oral tests, exams

FRENCH II**Course # 212****1 credit****Grades 9-12****PREREQUISITE: Completion of French I with a minimum "75" average**

Each student will become more proficient in the four basic language skills: listening, speaking, reading and writing. Students acquire a great deal of vocabulary and write and speak about topics of interest to them. Students gain an awareness of the geographic, ethnic and cultural variety in the French speaking world through study of French and Francophone art, music and cuisine.

Evaluation Methods: written and oral quizzes, written and oral tests, homework, class participation and effort, skits and dialogues, projects, reading assignments, compositions, exams

FRENCH III**Course # 213****1 credit****Grades 10-12****PREREQUISITE: Completion of French II with a recommended minimum "80" average or teacher permission**

French III students continue to work on the four basic language skills: listening, speaking, reading and writing. Course work is focused on intermediate grammatical structures in an effort to improve written and oral expression. At this level, students begin to communicate their ideas and opinions in a more sophisticated manner and are expected to use their language skills in the classroom.

Evaluation Methods: oral and written tests and quizzes, compositions, projects, reading assignments, translations, dictations, class participation and effort, exams, skits and dialogues

FRENCH IV***Course # 214****1 credit****Grades 11-12****PREREQUISITE: Completion of French III with a recommended minimum "80" average or teacher permission**

French IV students continue to perfect their oral and written skills through the study of advanced grammatical structures. Students are encouraged to use French as the sole language of communication in the classroom. Students also read texts, including poems, essays, short novels, taken from the French speaking world. Students at this level will gain a greater understanding of France and her "offspring" -- the many other regions of the world that use French as a dominant or secondary language. Students are given the opportunity, and are expected, to work independently and have much choice in the selection of projects.

Evaluation Methods: homework, class participation and effort, projects, reading and writing assignments, skits, quizzes, tests, exams

FRENCH V***Course #215****1 credit****Grades 11-12****PREREQUISITE: 80% average in French IV***

This course is targeted to the serious students of the French language whose goals are fluency and higher placement at the university level. Students will improve their verbal communication and written skills and enhance their knowledge of French culture by reading novels and poetry by Francophone authors. All communication will be done in the French language. Qualified students may consider the SAT II exam in French Language after the successful completion of French IV*.

Evaluation Methods: essays, quizzes, oral presentations, novels, selected poetry and readings.

SPANISH I**Course # 221****1 credit****Grades 8-12****PREREQUISITE: Recommendation of 8th grade English teacher and team**

Spanish I is an introductory course for students who have no prior knowledge of Spanish. At this beginning level, students will work on the four basic language skills: listening, speaking, reading and writing with an emphasis on speaking and understanding conversational Spanish. A sample of topics to be studied includes: likes and dislikes, adjectives and their usage, school time, food and health, hobbies and parties. Cultural material is integrated throughout the year so that students attain an awareness of how Spanish and Latin American culture relates to and differs from their own. Vocabulary, present tense and simple grammatical structures will be presented as a foundation for advanced study. Daily completion of homework and participation in class are essential for success in this course.

Evaluation Methods: tests, quizzes, projects, simple dialogues, daily homework assignments, class participation and effort, exams

SPANISH II

Course # 222

1 credit

Grades 9-12

PREREQUISITE: Completion of Spanish I in the previous year with a minimum "75" average

Spanish II is an advanced beginner/intermediate level. Students will continue to become more proficient in the four basic language skills of listening, speaking, reading and writing in Spanish with a greater emphasis on grammatical accuracy in spoken and written expression. Advanced grammar concepts will be integrated into increasingly difficult readings, conversational practices and oral and written assignments. The focus continues on the four major skill areas with opportunities for students to discuss and write about themes of interest in the modern Spanish speaking world through topics such as: the home, clothing and fashion, and modern technology. Completion of daily homework and consistent class participation are very important for success in this course. A greater degree of independent study and practice will be required at this level.

Evaluation Methods: tests, quizzes, projects, reading assignments, daily homework assignments, skits and dialogues, essays, class participation and effort, exams

SPANISH III

Course # 223

1 credit

Grades 10-12

PREREQUISITE: Completion of Spanish II in the previous year with a recommended minimum "80" average or teacher permission

Students will continue to improve in the skills of listening, speaking, reading and writing. Supplemental material will be integrated into class work to meet needs of students as they work on these skills and continue the study of advanced grammar. This course is conducted primarily in Spanish and students are encouraged to use Spanish as the sole language of communication in the classroom. Students will be assigned daily homework assignments and will also be expected to complete larger projects.

Evaluation Methods: tests, quizzes, projects, reading assignments, journals, daily homework assignments, dialogues and skits, compositions, class participation and effort, exams

SPANISH IV***Course # 224****1 credit****Grades 11-12****PREREQUISITE: Completion of Spanish III with a recommended minimum “80” average or teacher permission**

Students will continue to improve their oral and written skills in this advanced level course by incorporating the language skills that have been acquired as the medium of learning about people and cultures of Spain and Latin America. Individualized programs of cross-cultural study in literature, history or other areas of interest will be utilized for topics of study. Qualified students may consider the SAT II exam in Spanish language upon successful completion of Spanish IV. This course is conducted entirely in Spanish.

Evaluation Methods: oral presentations, written responses about reading content, written paragraphs in response to assigned topics, essays, research papers, quizzes, tests, exams, class participation and effort

LATIN I**Course # 231****1 credit****Grades 9-12****PREREQUISITE: Recommendation of students’ middle school team and a willingness to work to learn a new language**

Students begin the process of developing the power to read and understand Latin. Inflection (changes in the form of words), syntax (use of words in a sentence), and vocabulary are the basics. Daily completion of homework including memorization is essential for successful participation in the class activities. Students become acquainted with Roman family life and traditions, history, and mythology through selected readings in Latin and English.

Evaluation Methods: tests on each unit, quizzes on each lesson, reading assignments, translations, homework, class participation, attitude, projects, exam

LATIN II

Course # 232

1 credit

Grades 10-12

PREREQUISITE: Completion of Latin I with a minimum "75" average

New inflections, syntax and vocabulary combine with the comprehensive review of the first year's work. Students learn about life in the provinces, the Roman celebrations of coming of age, weddings and funerals. The telling of fables and myths may include Hercules' Labors and Aesop's Fables. There is a brief survey of Latin literature. Preparation for class, participation in all in-class activities and completion of independent projects will lead to success.

Evaluation Methods: tests on each unit, quizzes on each lesson, projects, reading assignments, translations, homework, class participation, attitude, exam

LATIN III

Course # 233

1 credit

Grades 11-12

PREREQUISITE: Completion of Latin II with a recommended minimum "80" average or teacher permission

Readings from Eutropius, Caesar, Cicero, Augustus, Petronius and Pliny focus on the history of the late Republic and early Empire. Through Ovid we continue mythology. We read and produce scenes from the comedic plays of Plautus.

Evaluation Methods: tests, quizzes, projects, translations, homework, class participation, attitude, exam

LATIN IV*

Course # 234

1 credit

Grade 12

PREREQUISITE: Completion of Latin III with a recommended minimum "80" average or teacher permission

Principles of prosody, figures of speech, and syntax peculiar to poetry are revealed in selections from Vergil's Aeneid. Readings in translation include The Odyssey (a summer assignment), The Iliad, The Aeneid, and perhaps The Epic of Gilgamesh.

Evaluation Methods: tests, quizzes, projects, translations, homework, class participation, attitude, exam

PRACTICAL ARTS
COURSE OFFERINGS

<u>COURSE</u>	<u>COURSE #</u>	<u>RECOMMENDED GRADE LEVEL</u>	<u>PAGE</u>
Health	600	9	51
Physical Education	601	9-12	51
Physical Fitness	602	10-12	52
Driver and Traffic Safety Education	644	9-12	52
On Your Own I	681	9-10	53
On Your Own II	683	11-12	53
Clothing Design	682	9-12	53
Discovering Foods	685	9-12	54
Textile Designs & Crafts	687	9-12	54
Housing Designs	688	9-12	54
Woodworking Technology	690	9-12	55
Manufacturing with Wood	691	9-12	55
Introduction to Computer Technology and CAD	694	9-12	55
Metals Technology	695	10-12	56
Introduction to Engineering	696	9-12	56
Residential House Construction	697	9-12	56
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Coaching Youth Sports	699	11-12	57
Technology Skills for High School Success	700	9-12	57
Accounting I	701	9-12	58
Computer Applications & Cyberculture	702	9-12	58
Personal Finance & the Next Step	703	10-12	58
Business Startups	704	10-12	59
Volunteer Opportunities	051	9-12	60

HEALTH**Course # 600****½ credit****Grade 9****PREREQUISITE: None**

All 9th graders are required to take ½ year of Health. Successful completion of Health is a graduation requirement. Health class will cover the areas of decision making, communication skills, nutrition, exercise, drugs/alcohol, disease, reproductive health and sexuality. The class involves the use of numerous guest speakers and is designed to address various issues that students are exposed to on a daily basis.

Evaluation Methods: homework, quizzes, tests, student projects, exam

PHYSICAL EDUCATION**Course # 601****½ credit****Grades 9-12****PREREQUISITE: None**

All 9th graders are required to take a ½ credit of physical education. Physical education will include both team and life sport activities. Each activity will run for a two to three week duration. Students will receive instruction in the skills, rules and strategies involved in the following activities:

Archery	Field Hockey	Cross-country Skiing
Frisbee	Mountain Biking	Indoor Soccer
Orienteering	Floor Hockey	Softball
Soccer	Table Tennis	Golf
Flag Football	Racquetball	Styxball
Volleyball	Pickleball	Weight Training and
Badminton	Modified Rugby	Personal Fitness
Snowshoeing	Eclipseball	
Speedball		

Evaluation Methods: written tests, skill tests, homework, teacher observations, exam

- **Please note that a ½ year or one semester of physical education must be scheduled and passed at some point in the four year program to meet graduation requirements. The additional one credit of physical education may be earned through a variety of options including dance, personal fitness, sports team participation and independent study.**

PHYSICAL FITNESS**Course # 602****½ credit****Grades 10-12****PREREQUISITE: None**

In this course students will develop increased knowledge of the four health-related fitness components: cardio-respiratory endurance, flexibility, muscle strength and body composition. Students will evaluate their personal fitness using a number of referenced tests, then set fitness goals and design exercise programs to reach these goals, checking progress along the way. Students will also learn about the building blocks of nutrition (carbohydrates, fat and protein) and become more aware of their consumption patterns. This course counts as a physical education course.

Evaluation Methods: participation, quizzes and tests, written work, self evaluation

DRIVER AND TRAFFIC SAFETY EDUCATION**Course # 644****½ credit****Grades 9-12**

PREREQUISITE: Students must be in possession of a Vermont Learners Permit in order to begin this course. It is requested that students drive a minimum of 10 hours with parents/guardians prior to class.

Driver Education theory is designed to teach safety practices involved in the use of a motor vehicle. Driver and Traffic Safety Education can teach decision making skills; how to cope with various traffic problems; what to do in adverse weather conditions/emergencies; responsibility for passengers and other roadway users; basic car control, maneuvers, ownership, maintenance and how to plan a trip.

Driver Education is offered each semester of the school year with a limit of 50 students per semester. A summer course is also offered on a limited basis. Students will be scheduled for Driver's Education according to the following procedures:

- Two annual sign-up deadlines will occur, the first on February 15, as part of course registration for summer and semester 1, and the second on September 15 for semester 2.
- Students who sign up will be prioritized as follows: seniors first, then birth date. After the deadline, if there are new openings, students on the waiting list will be considered according to the same criteria.
- Students who violate the school's drug/alcohol policy or who are observed driving without a properly licensed adult in the vehicle will have restrictions placed on their driver education participation. They will have to wait an additional Driver Education course registration cycle beyond their same-age peers and successfully complete drug/alcohol awareness and prevention programs through the school before becoming eligible to participate in Driver Education through LUHS.

It is the student's responsibility to present her/his driver's permit to the guidance office. Students who do not present a copy of their driver's permit to the guidance office 30 days prior to the first class will be dropped from the course without notice.

ON YOUR OWN I**Course # 681****½ credit****Grades 9-10****PREREQUISITE: None**

This course (available in the spring semester only) is designed to help students learn hands on skills for living on their own. Topics included in the course are budgets, checking accounts, taxes, credit and loans, housing decisions, career exploration and resumes. Students also discuss preparing for the future and making healthy choices.

Evaluation Methods: tests, quizzes, written reports, projects and exams

ON YOUR OWN II**Course # 683****½ credit****Grades 11-12****PREREQUISITE: None**

This course (available in the fall semester only) is designed to help older students learn hands on skills for living on their own. Topics included in the course are a more in-depth look at budgets, checking accounts, taxes, credit and loans, housing decisions, career exploration and resumes. Students also discuss preparing for the future and making healthy choices.

Evaluation Methods: tests, quizzes, written reports, projects and exams

CLOTHING DESIGN**Course # 682****½ credit****Grades 9-12****PREREQUISITE: None (open to all interested students)**

This course will give students interested in the world of clothing a chance to explore all areas of the industry. Students will learn basics of hand and machine stitching, machine choice and maintenance. There will be a specific focus on learning to read and use patterns and various fabrics as well as choosing materials for projects. The class will construct costumes for the dance performances. Patterning skills and design will also be taught. Students will be responsible for project costs.

Evaluation Methods: quizzes, practical skills tests, projects and exam

DISCOVERING FOODS **Course # 685** **½ credit** **Grades 9-12**

PREREQUISITE: None (open to all interested students)

Students will learn how to prepare nutritious meals focusing on a series of units from quick and yeast breads to full meals and desserts. Each unit is explored through written and lab work. Topics such as saving time, money and energy in meal planning will be explored.

This course is recommended in preparation for the Culinary Arts program at the Green Mountain Technology and Career Center.

Evaluation Methods: tests, lab work, projects, exam

TEXTILE DESIGN **Course # 687** **½ credit** **Grades 9-12**
& CRAFTS

PREREQUISITE: None (open to all interested students)

This course is offered semester one only. Students are offered the opportunity to become creative and explore many different options in the world of crafts. The areas covered will include machine use maintenance, quilting, embroidery, knitting, crocheting, paper stamping, weaving, fabric sculptures and stenciling.

Evaluation Methods: quizzes, self evaluation, projects and exam

HOUSING DESIGNS **Course # 688** **½ credit** **Grades 9-12**

PREREQUISITE: None (open to all interested students)

This course will deal with consumer decisions in selection of housing, types of housing and its relationship to lifestyles, financing, interior decorating, color, line, room arrangements, furniture styles and designs, window treatments, appliance buying, accessories, landscaping, energy conservation, decorating styles and techniques and designing your own home.

Evaluation Methods: quizzes, tests, class participation, projects, exam

**WOODWORKING
TECHNOLOGY**

Course # 690

½ credit

Grades 9-12

PREREQUISITE: None (open to all interested students)

This course focuses on the understanding and proper use of basic woodworking tools and machinery. Students will design and construct various items using the available equipment and supplies. Safety, measuring tools and processes, wood joinery and finishing processes will also be investigated. A fee for materials and supplies will be required.

Evaluation Methods: quizzes, tests, projects, classroom participation, exam

**MANUFACTURING
WITH WOOD**

Course # 691

½ credit

Grades 9-12

PREREQUISITE: Woodworking Technology and permission of the teacher

This course is designed to offer the class the opportunity to design, develop, market and produce a piece of furniture to be offered for sale. While the product is being developed, students will experience basic furniture construction processes. A fee for materials and supplies will be required.

Evaluation Methods: quizzes, tests, projects, classroom participation, exam

**INTRODUCTION TO
COMPUTER TECHNOLOGY & CAD**

Course # 694

½ credit

Grades 9-12

PREREQUISITE: None

This course is designed for students with little or no experience with computers. It is designed to introduce basic computer operations including Windows systems, various programs and the school's network. Students will also be introduced to e-mail and access to the internet. Web sites will be explored and developed using various types of software. During the second part of this course, students will be introduced to Computer Assisted Drafting (CAD). Fundamental use of the programs will be covered through the completion of various drawings.

Evaluation Methods: tests, quizzes and class projects

METALS TECHNOLOGY **Course # 695** **½ credit** **Grades 10-12**

PREREQUISITE: None

This is a traditional metal fabrication course. In the beginning students will learn to cut, bend, form and fasten sheet metal and wrought iron. The second part is devoted to learning to weld using arc and gas welding equipment. The class will also include an introduction to machine shop operations using the lathe and milling machine. Student projects are used to reinforce knowledge and skills in this course. There will be a fee (\$5 - \$20) for materials used in student projects.

Evaluation Methods: student projects, tests & quizzes (written & practical)

INTRODUCTION TO ENGINEERING **Course # 696** **½ credit** **Grades 9-12**

PREREQUISITE: None

This class is designed to provide students with activities typically engaged in by engineers. The emphasis will be within a math/science/technology problem solving process. Students will learn a variety of drafting techniques and also many problem solving skills. Class activities will be primarily of a "design/build" nature selected to introduce students to engineering concepts. Activities and topics covered may include rocketry, solar cars, bridge construction, gears and drive trains, and wind turbines and engineering competitions. Use of computers and the internet will provide students with research opportunities and aid in the design process

Evaluation Methods: tests, quizzes, student projects and student journals

RESIDENTIAL HOUSE CONSTRUCTION **Course # 697** **½ credit** **Grades 9-12**

PREREQUISITE: None

In this class students will learn how houses are designed and constructed. They will use the CAD system to learn how houses are designed and then build a scale model of their design. Students will learn about basic carpentry tools used to construct walls, apply sheet rock, install electrical outlets, lights and basic plumbing. The class will also include a unit on common home repairs, including painting and wallpapering.

Evaluation Methods: tests, quizzes, construction projects

**ENERGY
ALTERNATIVES**

Course # 698

½ credit

Grades 9-12

PREREQUISITE: None

This semester course will study alternative methods of producing power. The course will focus on a variety of methods used to produce electrical power such as wind turbines, solar power, hydroelectric power, and power generated from ocean currents. Another area that this course may explore is the use of alternative fuels. Theories behind how electrical current flows and Ohms law will be covered as well. The course will incorporate internet and library based research with several design/build activities.

Evaluation Methods: quizzes, tests, research papers, prototypes, weekly journal, participation

**COACHING YOUTH
SPORTS**

Course # 699

½ credit

Grades 11-12

PREREQUISITE: Physical Education

Coaching Youth Sports is a course designed to have students work with local youth in a sport setting. Students will learn how youth develop and design appropriate drills for specific sports according to the age of the athlete. Students will look at some of the popular sports around the region such as soccer, basketball, baseball/softball, tennis, golf and lacrosse. Students will have the opportunity to demonstrate some of their games or drills for the class and receive feedback on these exercises from the instructor and their peers. There will be a community learning piece to this course where students will work with some of the local youth coaches to gain practical experience as to what they have learned in class.

Evaluation Methods: tests, demonstrations, teacher/coach evaluations

**TECHNOLOGY SKILLS
FOR HIGH SCHOOL SUCCESS**

Course #700

½ credit

Grades 9-12

PREREQUISITE: None

This project-based course will focus on instruction in the following areas: word processing, keyboarding skills, Power Point development and usage, Photo Story, Smart Board, use of digital cameras and scanner technology, Internet searches involving discerning credible Internet sources, page format and mail merge.

Evaluation Methods: projects, tests, homework

ACCOUNTING I **Course #701** **½ credit** **Grades 9-12**

PREREQUISITE: None

This course introduces students to the principles and procedures of accounting. The complete accounting cycle for a service business organized as a sole proprietorship is covered. Projects and practice sets are used to make this class practical and valuable.

Evaluation Methods: projects, tests, exam

COMPUTER APPLICATIONS & CYBERCULTURE **Course #702** **½ credit** **Grades 9-12**

PREREQUISITE: None

This course supplements existing knowledge of Microsoft Office programs, photo manipulation software, delves into WYSIWIG websites, Google Tools, Google Sketchup, some Flash software, audio/visual applications within the Windows/Mac environment, consumer technology trends, as well as privacy and legal issues within the realm of cyberspace. It is hoped that future funding will allow for the purchase of licenses for graphics programs such as Manga Creator and other creative and business applications. If students have no previous knowledge of computer programs, then this serves as a great jumping on point for them. In summary, if you want to succeed in today's workplace you need to have the skills to navigate the world of computers.

Evaluation Methods: participation, assignments, discussion, quizzes, tests

PERSONAL FINANCE & THE NEXT STEP **Course #703** **½ credit** **Grades 10-12**

PREREQUISITE: None

This course provides instruction in certain key facets of personal fiscal responsibility. Among the topics covered are responsible use of credit, budget management, economic decisions as a consumer, worker, investor and citizen, basic taxation principles, stocks, municipal bonds, saving for college, obtaining financial aid, medical care and unanticipated financial emergencies. We will delve into financial decision making, a basic study of how public administration affects the general public and how to put your life on the road to successful finances.

Evaluation Methods: participation, correct usage of financial terms, quizzes, tests, attendance, self and teacher assessments

BUSINESS STARTUPS**Course #704****½ credit****Grades 10-12****PREREQUISITE: None**

Welcome to the world of small business ownership. As an aspiring entrepreneur, your first assignment is to choose a business you would like to start. Throughout the course you will go through the steps necessary to write an accurate and thorough business plan. Students will also study marketing, advertising, media placement, legal ramifications and more. Components of the marketing section are expected to include radio psa's, video production in the form of commercials and print media placement.

Evaluation Methods: participation, correct usage of entrepreneurial concepts, projects, presentations

VOLUNTEER OPPORTUNITIES

LAMOILLE UNION

Course # 051 30 hours ¼ credit

Grades 9 - 12

HIGH SERVES (LUHServes)

PREREQUISITE: Approved and signed LUHS Independent Study Contract prior to beginning the service

LUHServes is an independent elective. Students will work with supervising teachers in selecting activities, preparing time sheets, and preparing a final presentation. Teachers will help match student volunteers with volunteer opportunities.

Service for credit may be performed any time during the year. After every 30 hours of service, credit will be awarded at the end of the most current marking quarter. Credit will be bestowed by supervising teachers after receiving a letter of request from a student. The requesting letter must provide time sheets, a statement describing both personal and public benefit derived from the service(s) performed, and whatever documentation deemed appropriate by the supervising teachers.

There can be no personal or private financial benefit received from any of the service performed.

THE PRINCIPAL'S PROJECT

Course # 052 ½ credit

Grades 11 -12

PREREQUISITE: Junior or senior in good standing.

The Principal's Project is an independent elective designed to give students access to resources generally available to the school principal. Students will, based on their interests, identify a specific school issue or concern, conduct advanced research, propose solutions, and present their findings through a dissertation format to the student body, school officials, and district level leaders. Students will be required to follow a format similar to the standard dissertation formula required for most master's and doctorate degrees. Students will establish a regular meeting schedule with the school principal to review progress as well as to receive guidance towards the completion of the project.

FINE ARTS COURSE OFFERINGS

<u>COURSE</u>	<u>COURSE #</u>	<u>RECOMMENDED GRADE LEVEL</u>	<u>PAGE</u>
Concert Band	711	9-12	62
Beginning Guitar	713	9-12	62
Chorus	714	9-12	62
Guitar II	715	9-12	63
Dance I: Modern and Jazz Technique	725	9-12	63
Dance II: Techniques and Composition	726	10-12	63
Dance III	727	11-12	64
Music Theory & Composition	728	10-12	64
Basics of Art	731	9-12	64
Graphic Design	732	10-12	65
Image Making	733	10-12	65
Studio Art	734	10-12	65
Sculpture	735	10-12	66
Mixed Media Art	736	10-12	66
Advanced Placement (AP) Studio Art*	737	11-12	67
Pottery	738	10-12	67
Advanced Multimedia*	739	10-12	68

CONCERT BAND**Course # 711****1 credit****Grades 9-12****PREREQUISITE: Middle Level Band or written permission of the instructor**

This course provides an opportunity to study a range of repertoire for concert and marching band, develop rehearsal and performance skills on an instrument, and appear in scheduled public concerts and parades. The course is intended to broaden musical understanding through consistent participation in the band, rehearsing in smaller ensembles, and preparing solos. Some study of music terminology, music theory, and music history is included as part of this course.

Evaluation Methods: participation and professionalism in rehearsals, written quizzes and exams involving vocabulary, rhythms and basic theory, playing tests, concert performances

BEGINNING GUITAR**Course # 713****½ credit****Grades 9-12****PREREQUISITE: None**

This course is for beginning guitar students. It will cover how to tune a guitar, notes on the guitar, notation, first position, power, and barre chords, and strumming techniques. Guitars will be provided in class. Students should have access to a guitar at home to practice or plan to practice at school during study hall time. It is also possible for students to use the school-assigned guitar at home, after making arrangements with the instructor.

Evaluation Methods: performance and written tests and effort

CHORUS**Course # 714****1 credit****Grades 9-12****PREREQUISITE: None**

Chorus is designed to develop good vocal techniques through a variety of music representing diverse genres and cultures. Repertoire is determined by enrollment. Part-singing, critical listening, sight singing and rehearsal skills are aimed at helping students realize their personal goals for developing a voice. Performance in public concerts is a requirement for all participants.

Evaluation Methods: active in-class participation required, ability to collaborate with other chorus members, written work and performance

GUITAR II**Course # 715****½ credit****Grades 9-12****PREREQUISITE:** Beginning Guitar or written permission from the instructor

This course is a follow-up for students who have successfully completed Beginning Guitar. It covers major scale construction and playing, key signature, development of the right hand, arpeggio playing, tablature, playing in fifth position and transposition.

Evaluation Methods: performance and written tests and effort

**DANCE I: MODERN
AND JAZZ TECHNIQUE****Course # 725****1 credit****Grades 9-12**

This course teaches the fundamentals of dance. Students will be introduced to modern and jazz dance technique, choreography and dance appreciation. They will have an opportunity to explore the elements of dance-time, space and energy (and the human form). Course work, and particularly improvisations and choreographic studies, will be organized around these elements (and their components, such as rhythm, direction and flow). Dancers need black dance or yoga pants and a form-fitting black top. Dance jazz shoes are recommended. *Note: This course can satisfy either the one credit fine arts requirement or one credit of the PE requirement.

Evaluation Methods: participation, technique (alignment, acquisition and correct use of movement and spoken vocabulary), movement studies and short dance projects, journal writing, short essays, rubrics and videotaped self assessments

**DANCE II:
TECHNIQUES AND COMPOSITION****Course # 726****1 credit****Grades 10-12****PREREQUISITE: Dance I**

This is a course designed to develop the skills introduced in Dance I. Content will include more complex dance combinations and an introduction to dance composition. Regular attendance during the school day and at scheduled rehearsals and performances is mandatory. Purchase of black jazz pants, top and shoe is required.

Evaluation Methods: participation, technique (alignment, acquisition and correct use of movement and spoken vocabulary), movement studies and short dance projects, journal writing, short essays, rubrics and videotaped self-assessments

DANCE III

Course #727

1 credit

Grades 11-12

PREREQUISITE: Dance I and Dance II or teacher's permission

This one year course builds on skills learned in Dance II. Students will continue to work on alignment, movement, vocabulary, composition, aesthetics and personal expression. Basic black dance clothing is required.

Evaluation Methods: participation, discussion, correct use of technique and dance vocabulary, self and teacher assessments, attendance in class and at scheduled rehearsals and performance is mandatory

**MUSIC THEORY
& COMPOSITION**

Course #728

1 credit

Grades 10-12

PREREQUISITE: None

Students will explore in depth the language and structure of music. They will increase their listening, analytical and compositional skills. It is also anticipated that they will submit compositions for professional online review through the Vermont MIDI Project.

Evaluation Methods: oral and written tests, critique, assessment, self-evaluation, final composition project

BASICS OF ART

Course # 731

1 credit

Grades 9-12

PREREQUISITE: None

Basics of Art is designed as an introductory high school class during which students will explore a variety of art materials, techniques and ideas. Art history, criticism, critique and constructive feedback are all integrated into this course.

Evaluation Methods: sketchbook, participation, completion of projects, critique, student and teacher assessment of process and artwork, exam

GRAPHIC DESIGN

Course #732

½ credit

Grades 10-12

PREREQUISITE: Basics of Art

Students will learn the fundamentals of graphic design through an understanding of the commercial visual world using Photoshop, Illustrator, a scanner, the web and digital photography as tools for creating graphic imagery. We will also use guest artists, video and field trips as resources when appropriate.

Evaluation Methods: class work, attitude, effort, process, critique, homework, teacher and student evaluations, completion of assignments and final exam

IMAGE MAKING

Course #733

½ credit

Grades 10-12

PREREQUISITE: Basics of Art

Students will explore digital photography, digital recording and movie editing. They will also explore composition, scripting, storyboarding, camera shots and angles, etc., in order to create visually interesting still and moving images. Students will also gain further knowledge as to the importance that visual images and image-making have in our culture. Students will use digital still and video cameras along with Photoshop and iMovie to view and edit their imagery. Curriculum will be supported by existing images in the form of film and photography (books, etc.) as well as field trips to see related works and film festivals when appropriate.

Evaluation Methods: portfolios, critique, self-evaluations

STUDIO ART

Course # 734

1 credit

Grades 10-12

PREREQUISITE: Basics of Art

Studio Art introduces the second year student to value studies in drawing in preparation for color work. Emphasis is placed on contrast, composition and using advanced color theories while working on realistic and abstract 2D pieces.

Evaluation Methods: classroom work, effort, participation in critiques, self-evaluations, sketchbooks, individual progress, completion of assignments, mid-term, final exam

SCULPTURE**Course # 735****1 credit****Grades 10-12****PREREQUISITE: Basics of Art**

Sculpture is designed as a continuation of Basics of Art for students who are particularly interested in three-dimensional design. Students will further their explorations of the world of three-dimensional sculpture using conventional and non-traditional materials such as paper, cloth, clay and natural materials.

Evaluation Methods: class work, attitude, effort, process, critique, sketchbook, teacher and student evaluations, completion of assignments, exam

MIXED MEDIA ART**Course # 736****1 credit****Grades 11-12****PREREQUISITE: Two or more art classes**

Juniors and seniors work in a variety of media: clay, tape, collage, pastels, etc., to complete two and three dimensional projects including book making. (This class replaces Senior Art Seminar.)

Evaluation Methods: sketchbooks, effort, attendance, participation in critiques, self-evaluation, completion of assignments, exam

**ADVANCED PLACEMENT Course # 737
(AP) STUDIO ART***

1 credit

Grades 11-12

PREREQUISITE: Basics of Art and/or teacher's permission

This course is designed for self-motivated juniors and seniors with a strong foundation in art and an interest in completing a comprehensive portfolio for college application or the A.P. Studio Art exam. The course will follow the three part format (Breadth of Work, Area of Concentration and Quality Pieces) specified by the College Board for the A.P. portfolio. Students will begin with summer sketchbook assignments and a review and refinement of their knowledge of the elements of art and principles of composition, as well as mastery of a variety in the "Breadth" section of the course. Students will develop an independent "Concentration" based on their interest and exploration will focus on a specific medium in drawing, 2-D or 3-D design. A group of "Quality" works representing their best efforts in one area will be completed. Juniors and seniors are encouraged to submit their portfolio for the A.P. exam. However, the same format and requirements will be followed for all students taking the course as an independent study to further their own personal art exploration at LUHS. The AP exam is given in May.

Evaluation Methods: sketchbooks, visual journal, vital results, classroom work habits and effort, evaluations and critiques

POTTERY

Course # 738

½ credit

Grades 10-12

PREREQUISITE: Basics of Art

This course is for students who wish to deepen their knowledge and interest in ceramic clay. Students will create three dimensional works with clay using hand building techniques such as pinch, punch slab and coil. Ceramics through history and from different cultures will inspire projects.

Evaluations Methods: class participation, homework, completion of projects, critique, student and teacher assessment, final project

ADVANCED
MULTIMEDIA*

Course # 739

½ credit

Grades 10-12

PREREQUISITE: Basics of Art, Image Making or Graphic Design

This course is for self-directed students who are interested in deepening their skills and knowledge of graphic design, photography or movie making. Students will be composing a personal plan regarding one of these areas of study, creating personal goals, and using their time in the Mac lab to complete their chosen area of study.

Evaluation Methods: personal plan of study, class participation, homework, completion of projects, critique, student and teacher assessments, final project

It is the policy of the Lamoille Union High School Board to respect the legal rights of all students, parents, employees, applicant for admission or employment, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with the school district. The board will seek to comply with all applicable federal and state non-discrimination laws. The board will not discriminate against any person or group on the basis of race, color, religion, national origin, sex, ancestry, place of birth, age, or disability.

Building a community prepared for the choices and challenges of life.