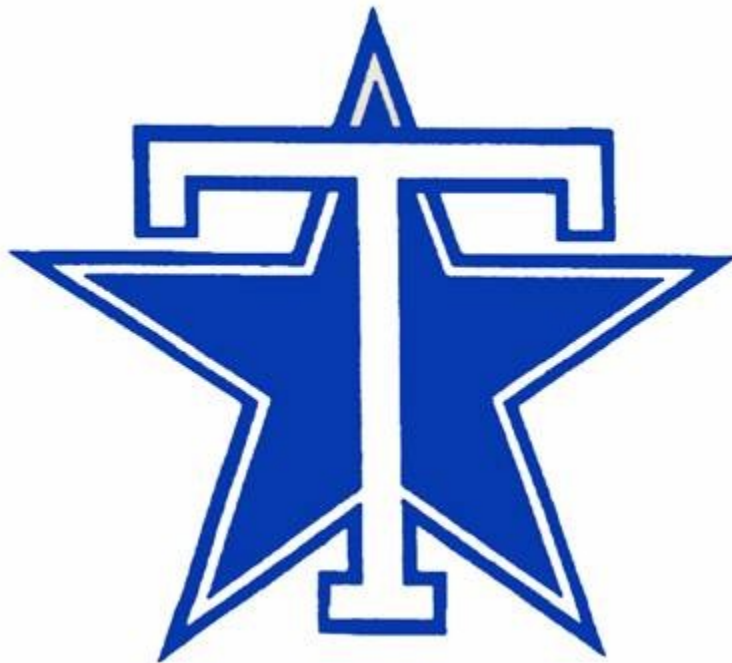


***Telstar Regional High School
Program of Studies
2010-2011***



***Daniel O. Hart Principal
Charles Raymond Dean of Students***

Revised: May 26, 2010

Telstar Regional High School Program of Studies 2010-11

**TABLE OF CONTENTS:*

Pg. 3	Cover Letter From Mr. Hart, Principal
Pg. 4	Information Concerning Graduation Credits, Promotion, Add/Drop, Co-Curricular Activities and Academic Programs
Pg. 8	English/Language Arts
Pg. 12	Fine Arts – Art, Music, Photography, Pottery, Creative Writing
Pg. 15	World Languages
Pg. 18	Industrial Technology
Pg. 19	Mathematics
Pg. 22	Physical Education and Health
Pg. 24	Sciences
Pg. 27	Social Studies
Pg. 33	Upperclassmen Electives: School To Work; Navigating Life After High School & Region 9 School of Technology

**Courses may not all be scheduled/offered each school year. Some Program of Study content is subject to change.*

May 2010

Telstar Students and Parents,

On behalf of the Telstar High School Faculty and Guidance Department, I encourage you to utilize the 2010-2011 Telstar High School Program of Studies in making varied and valuable academic decisions.

During the high school years students and parents discover there are many decisions that are complex and have varied consequences. Therefore, I recommend that you collaborate/consult with someone – a teacher, guidance counselor, parent, community member, employer, military recruiter and college admissions representative to better learn of academic and/or career related information.

This guide is formatted with specific information about graduation requirements, grade promotion guidelines, independent study and dual enrollment opportunities, vocational educational programs, and course offerings' descriptions of classes and programs offered at Telstar High School.

Each academic department at Telstar High School provides you their course offerings in order of: course name, grade level, credit value, prerequisite, description and expectations of the course and Maine Learning Results Indicators addressed.

I recommend utilizing the 2010-2011 Telstar High School Program of Studies in advising and assisting you in making good, informed decisions about your academic program and activities next year. If you have questions please meet and talk with your Telstar Satellite Advisor, and/or Ms. Lori Lindsay, Guidance Counselor.

I look forward to assisting you in finalizing your academic plan and program at Telstar High School next school year!

Respectfully,

Daniel O. Hart, Principal

ADD/DROP

Students must maintain a minimum of eight (8) classes per semester.

Students should make every effort to enroll in the appropriate courses during the normal selection of studies period. However, if students need to make changes to their schedules, the following policies govern that process:

1. The time for making course changes is limited to the first week of a course.
2. Students wanting to make changes to their schedules need to make an appointment with their guidance counselor to complete the necessary forms. Until the completion of the form, students must attend all the courses on their schedule.
3. The counselor, teacher, and parent must approve a course change.
4. Any course change after the first week of a course must be approved by the principal.
5. If a course is dropped after October 1 (for a year long or first semester course) or after March 1 (for a second semester course), the dropped course and “withdraw pass” or “withdraw fail” will be posted on the student’s transcript.
6. The following criteria shall be used in determining Honor Roll. For a student to qualify for honor roll, the student must be registered for a minimum of eight (8) classes per quarter. Seven (7) of the eight must be numerically graded. The numeric equivalent grade for honors is an 85 and for high honors a 93 in each class. An incomplete grade will disqualify a candidate from honor roll consideration.

CAREER WEEK

During March of their third year, each Telstar student designs a career study project which will enable him or her to “shadow” a person in a career for a week. Students are excused from school for this activity. Job shadows at the high school or outside of the specified time will need the approval of the principal.

Projects undertaken in the past have ranged from radio broadcasting at WOXO, law enforcement with the Oxford County Sheriff’s Department, and exploring aviation/airline services at the Portland International Jetport. All projects are thoroughly structured and supervised by the satellite advisors and onsite supervisors. Students participating in the program earn a pass or fail grade for completion of projects. Upon successful completion of this requirement, .25 credit will be recorded on the student’s transcript.

This experience is an opportunity for students to meet performance indicators of the Maine Learning Results. Seniors must successfully complete Career Week during their junior year to be awarded senior privileges.

CO-CURRICULAR ACTIVITIES

Co-curricular activities provide the benefits of learning outside the classroom environment. The co-curricular program adds to a student’s experience and can round out a student’s transcript or enhance a resume. Below is a list of co-curricular activities currently available at Telstar:

COMMUNITY SERVICE

Each Telstar student will be required to demonstrate they have performed school and/or community service during their 4 years at Telstar. Each student is to complete a school/community service intent/evidence form, perform 60 hours of service and provide documentation of the dates, place/site and service description.

INTERSCHOLASTIC ATHLETIC PROGRAMS

FIELD HOCKEY	ALPINE SKIING	BASEBALL
X-COUNTRY RUNNING	NORDIC SKIING	SOFTBALL
BOY'S SOCCER	SNOW BOARDING	GOLF
BOYS' BASKETBALL	GIRLS' BASKETBALL	TRACK
JV GIRL'S SOCCER	JV FOOTBALL	

CLUBS & ACTIVITIES

YEARBOOK	NATIONAL HONOR SOCIETY	MATH TEAM
AIDS COMMITTEE	CLASS OFFICERS	JAZZ BAND
PEP BAND	STUDENT COUNCIL	JOB BANK
BIG BROTHERS	BIG SISTERS	FACT
TELSTAR ATHLETIC BOOSTERS	BOYS STATE	GIRLS STATE
CHORUS/ENSEMBLE	PROM & GRADUATION COMMITTEES	
	FUTURE BUSINESS LEADERS OF AMERICA (FBLA)	
	ROTARY YOUTH LEADERSHIP (INTERACT)	
	FRESHMAN AWARENESS AT TELSTAR (FACT)	

COURSE CREDIT FROM OTHER INSTITUTIONS

The school principal may approve credits from equivalent instruction for the purpose of awarding a M.S.A.D. #44 Telstar Regional High School diploma. External credits must be pre-submitted to the principal for approval consideration.

GRADUATION REQUIREMENTS

Students must earn 22 credits to graduate. These credits must include the following:

English	4 credits	
Mathematics	3 credits	
Science	3 credits	
Social Studies	3 credits (1.5 credits must be in United States History)	
Fine Arts	1 credit	
Physical Education	1 credit	
Health	.5 credit	
Great Expectations/Senior Project	.5 credit	
Navigating Life	.5 credit	
Community Service Class of 2011		30 hours
Community Service Class of 2012		45 hours
Community Service Class of 2013 and beyond		60 hours

PROMOTION REQUIREMENTS

The requirements for passing to the next higher grade are as follows:

- From Grade 9 to Grade 10: 5 or more credits
- From Grade 10 to Grade 11: 10 or more credits
- From Grade 11 to Grade 12: 16 or more credits

INDEPENDENT STUDY REQUIREMENTS

Students may request to complete a course of independent study if they are unable to access a course in the schedule or if they would like to study an academic topic not addressed by existing courses. Individual arrangements for independent study will be made between student and teacher and approved by the student's guidance counselor and principal. All students attempting to undertake an independent study must identify a certain number of Performance Indicators from the Maine *Learning Results* that they will meet and must demonstrate having met those Indicators to successfully complete the independent study. The application should also be based on components of the academic, social and civic expectations for student learning of the Mission Statement.

PROJECT OPPORTUNITY

Project Opportunity is a unique partnership between the SAD #44 educational community and its surrounding business community. In its simplest terms, Project Opportunity is a scholarship program, but with a difference: it is geared to providing students with continuing educational opportunities, even if they don't qualify for most conventional scholarships. The scholarships can be used for post-secondary education or participation in educational opportunities outside of the traditional school schedule. Postsecondary scholarships are granted based on applications and on points gained through participation and achievement.

Throughout students' years at Telstar, they are given points based on their quarterly grades. A's are worth three points, B's are worth two, and C's are worth one. Improving grades in a subject will earn students bonus points. For example, if a student earns C's in a course for all four quarters, he or she accumulates a total of 4 points for that course for the year. But if he or she earns a B the second quarter and an A for the last two, he or she would accumulate points and bonus points totaling 10. The point total of all courses except for the final semester will be used to determine the size of the post-secondary scholarship for each student. Additional points are awarded for participation in co-curricular activities (1 point per activity). Project Opportunity was initially funded by a generous grant from the Sunday River Ski Resort and continues to be funded by donations from community members. The program aids students who show marked improvement over their high school years, in addition to rewarding those who maintain a high level of achievement throughout their Telstar education.

HIGH SCHOOL DUAL ENROLLMENT

Grade Level: 11-12

Credit Value: 1 per course

Prerequisite: Juniors must pass the Accuplacer in either English or Math depending on enrollment choice. Seniors need SAT scores of 480 depending on enrollment choice. Seniors who scored below 480 may take the Accuplacer test to qualify.

Dual enrollment allows students to enroll in college courses for credit prior to graduation. College credits earned through dual enrollment are applied toward high school and college graduation and can be transferred to other Maine colleges or universities. Dual enrollment grades are recorded on both college and high school transcripts. Tuition is waived for high school students, however, students will be responsible for college fees, lab fees and books. Typically, fees range from \$72.00 to \$96.00 per class and books average between \$75.00-\$100.00. The classes will follow the Central Maine Community College 15 week academic calendar for holidays and vacations.

For the 2010-11 school year, Telstar plans to offer:

Business Math – after school/evenings – Math credit

College Writing – after school/evenings English credit

Intro to Sociology – after school/evenings – Social Studies credit

Public Speaking – after school/evenings – Elective credit

SPECIAL EDUCATION RESOURCES

The Special Education Program at Telstar assists in meeting the needs of students who have been referred and who qualify for special education services under federal law PL 94-142. These services take a variety of forms based on the needs described in each student's Individual Education Plan (IEP). These IEPs are reviewed annually through Pupil Evaluation Team (PET) meetings.

Course Name: LIFE SKILLS COURSE

Grade Level: 9-12

Credit Value: 1 Elective

Prerequisite: Participation in this course is determined through the IEP process.

The Life Skills course is designed to increase student knowledge and ability in skills necessary for everyday living with the goal being for students to become more independent and employable. The course emphasizes defining personal values, goal-setting and planning, making decisions and solving problems, evaluating information and dealing with media and peer pressure, communication and relationships, decision making, wellness and personal safety, contributing to your community, as well as including a focus on basic academic skills. This course will take place in a classroom setting, various locations on the school grounds and throughout our community.

Course Name: SERVICE LEARNING

Grade Level: 9-12

Credit Value: 1 Elective

Prerequisite: None

Service learning is a method by which students improve academic learning and develop personal skills through structured service projects that meet community needs. Service learning builds upon students' service activities by providing them with opportunities to learn by preparing, leading, and reflecting upon their experiences. The service learning process is typically divided into four parts, referred to as preparation, action, reflection and celebration. In the preparation phase, teachers, students and community agency staff lay the foundation for a successful project: choosing a real community need, linking the service project to the curriculum, securing the necessary funds and administrative support, and writing the action plan. In the action phase, the service project is implemented. During reflection, project participants consider the project's impact on their own learning and on the lives of those served. In the celebration phase (sometimes referred to as "recognition"), students celebrate these impacts and receive recognition for their work on the project. Through this course students will have the opportunity to partner with area businesses to identify areas of need, create a plan to address these needs and actively participate in carrying out their established plans all while earning required community service hours.

Course Name: REMEDIAL LITERACY

Grade Level: 9-12

Credit Value: 1 Elective

Prerequisite: None

This is a diagnostic approach for reading strategies for students with disabilities. The course focuses on strategies for decoding, reading fluency, spelling, comprehension, and writing. As the year progresses we will focus more on reading comprehension through articles and books that are high interest and low level of reading as students build upon their reading levels.

ENGLISH

Course Name: ENGLISH 9

Grade Level: 9

Credit Value: 1 English

In English 9, students will be encouraged to gain an appreciation for a wide variety of literature by focusing on genre studies, elements of fiction, and literary devices used by authors. Quarter by quarter students will examine short stories, drama, poetry, and novels. Students will begin to master the ability to interpret literature through genre specific assignments and essays. This course will help students to continue building confidence in their communication skills. They will learn to express their knowledge using a variety of media, and continue molding their research and presentation skills through an argument project. Students will spend some time preparing for the SAT test by responding to a variety of writing prompts. They will also participate in a vocabulary program designed to further prepare them for the SAT.

Maine Learning Results Indicators Addressed: A1, A2, A3, A4, B1, B2, B3, B4, B5, C1, D1, D2, E1, E2, F1

Course Name: HONORS ENGLISH 9

Grade Level: 9

Credit Value: 1 English

Prerequisite: Successful Completion of English 8 and Recommendation of English Teacher

The honors level of this course is designed to prepare students for AP English. Students should have a passion for English, expressed in a willingness to develop their own perspectives, maintain good organization, work independently, and integrate ideas from other classes into discussions and homework. Assignments are expected to go beyond basic reading and writing to understanding and expressing a higher degree of insight and analysis. The honors level has a summer reading requirement, with an essay due at the start of school in the fall.

Maine Learning Results addressed: A1, A2, A3, A4, B1, B2, B3, B4, B5, C1, D1, D2, E1, E2, F1.

Course Name: ENGLISH 10

Grade Level: 10

Credit Value: 1 English

Prerequisite: Successful Completion of English 9

In this course, students will examine a wide variety of British Literature in both poetry and prose. The focus of this class will be on close reading, what makes British Literature unique, and the connections between literature and culture. Students will gain an understanding of how author's (including themselves) use writing for a variety of purposes. They will refine their composition skills by writing analytical and persuasive essays. Students will continue to hone research and presentation skills through a variety of teaching and presenting assessments. Instruction will give opportunity for students to continue to gain confidence in their abilities to read and analyze complex text, and communicate their thoughts and ideas clearly and effectively. They will also participate in a vocabulary program designed to prepare them for the SAT.

MSLR performance indicators addressed: A2(a,b,c,d,e,f,g,h) B1, B2, B3, B4, D1, D2, E1, E2, F1

Course Name: HONORS ENGLISH 10

Grade Level: 10

Credit Value: 1 English

Prerequisite: Successful Completion of English 9 and Recommendation of English Teacher

This course is designed to prepare students for AP English. Students taking the honors level of this course will be expected to cover more material faster. The reading and writing assignments will be demanding and expectations will be high. Honors students will be expected to complete work assigned in addition to the work done in English 10.

Maine Learning Results Indicators Addressed: B1, B2, B3, B4, D1, D2, E1, F1

Course Name: ENGLISH 11 (American Literature)

Grade Level: 11

Credit Value: 1 English

Prerequisite: Successful Completion of English 10

In this course, students will examine American Literature from early nonfiction through contemporary literature. The focus of this class will be on close reading, what makes American Literature unique, and the connections between literature and culture. Students will gain an understanding of how author's (including themselves) use writing for a variety of purposes. They will refine their composition skills by writing analytical and narrative essays. Students will continue to hone research and presentation skills through a current American issue thesis research project, focusing on resource reliability. Instruction will give opportunity for students to continue to gain confidence in their abilities to read and analyze complex text, and communicate their thoughts and ideas clearly and effectively. They will also participate in a vocabulary program designed to prepare them for the SAT.

Maine Learning Results Indicators Addressed: A4, A5, B1, B2, B3, B5, C1, D1, D2, E1 and E2

Course Name: AP ENGLISH 11 (English Language and Composition/American Literature)

Grade Level: 11

Credit Value: 1 English

Prerequisite: Successful Completion of English 10 and Recommendation of English Teacher

This course is designed for students willing to accept an intellectual challenge. Students will read, interpret, and evaluate primarily nonfiction works from various American eras. In addition, the critical examination of the contextual relationship among graphics and visual images to text and as stand-alone messages will be mastered. Students will write in informal and formal contexts to become competent in their personal writing and proficient in expository, analytical, and argumentative assignments. Timed responses mirroring the demands of the AP exam will be a frequent form of evaluation. The final evaluation will culminate in the AP Language and Composition Exam.

Maine Learning Results Indicators Addressed: A3, A4, B1, B3, B4, C1, E1, E2

Course Name: ENGLISH 12 (World Literature)

Grade Level: 12

Credit Value: 1 English

Prerequisite: Successful Completion of English 11

English 12 will focus on a wide variety of British and World literature from the origins of the English language through contemporary and modern literature from around the globe. Students will gain an understanding of the literary time periods and the connections between literature and culture. They will employ close reading skills to critique a variety of texts in order to gain insight into the human condition. Students will continue to build confidence in their writing skills by completing genre specific assignments, writing analytical essays in response to literature, and composing college essays. They will master their presentation skills through the Great Expectations senior thesis, presenting before a panel for assessment. Instruction will encourage students to evaluate the accuracy of information, and write and speak for a variety of audiences and purposes to help them become informed decision makers and confident communicators.

Maine Learning Results Indicators Addressed: A1(a,c,d,e,f) A2(a,c,d,e,h) B1(a,b,c,d,e) B2(a,b) B3(a,b) B4(a) B5(a) D1(a,b) D2(a) E2(a,b,c,d) F1(d)

Course Name: ADVANCED PLACEMENT ENGLISH LITERATURE

Grade Level: 12

Credit Value: 1 English

Prerequisite: Successful Completion of Honors English 11 and Recommendation of English Teacher

Advanced Placement English Literature and Composition is a year-long, college-level class for which students are awarded high school credit and possible college credit. Students study primarily English language literature, although some works are read in translation. The course content ranges from the ancient to the contemporary, and class periods are spent in discussion and writing preparation for the AP Exam. Writing assignments will focus on the critical analysis of literature and will develop and

improve literary understanding and expression.

Maine Learning Results Indicators Addressed: A1(a,c,d,e,f) A2(a,c,d,e,h) B1(a,b,c,d,e) B2(a,b) B3(a,b) B4(a) B5(a) C1(a,b,c,d,e) D1(a,b) D2(a) E2(a,b,c,d) F1(d)

Course Name: GREAT EXPECTATIONS SEMINAR

Grade Level: 12

Prerequisites: None

Credit Value: .25 Elective/Semester-long course

This seminar is designed to walk students through the paper work and process of completing their senior exhibition. Students take control of their own learning working towards their individual goals. Specific dates are established for students to meet in order to get a distinguished mark on their exhibition.

Students complete the paper work in their packets and complete a checklist of activities such as: visual aids, power point presentations, invitations, thank you notes, floor plans, videos, note cards, etc. All seniors must take and pass this seminar for 0.25 credits. Once their exhibition is completed with a passing mark they receive another 0.25 credits for a total of 0.5 credits.

MSLR performance indicators addressed: C1(a,b,c,d,e) D1(a,b) D2(a) E1(a,b,c) E2(a,b,c,d) F1(d)

Course: ENGLISH ACADEMIC LABS

Grade Level Semester 1 – Sophomores

Grade Level Semester 2 – Freshmen

Credit Value: .5 English

The purpose of this course is to help you develop skills necessary for the successful completion of a previous English credit and/or by the recommendation of either the 8th or 9th grade team to improve and refine existing skills. The course focuses on vocabulary, grammar, punctuation, sentence development, paragraph development, and the five paragraph essay. There will also be an emphasis on *The Reading Process Approach* that will revolve around active reading strategies and comprehension of grade level appropriate texts in order to develop an analysis essay that is organized around a strong thesis. During the course of the semester, students will develop a portfolio that reflects the mastery of the aforementioned skills that will be reviewed by the English department to determine credit.

Maine Learning Results Indicators Addressed: All

Course Name: PHILOSOPHY

Grade Level: 9-12

Credit Value: .5 Elective

Prerequisite: None

In this introductory course we will explore three major areas of philosophy: ethics, metaphysics, and epistemology. Accordingly, the course is divided into three sections. In each section we will read primary sources and discuss some of the main philosophic problems associated with that area. These will include: moral problems, problems rising from the debates about freewill, personal identity, or intelligence, and inquiries about the scope and limits of human knowledge. We will then introduce some theories designed to solve such problems, and try to understand the strengths and weaknesses of these theories. We will apply different techniques and theories to issues that we might encounter in the real world. We will use class discussions and short essays to learn skills for evaluating arguments. These skills include: how to present a philosophic argument, what are the assumptions that justify it, what are its weaknesses and its strengths, whether such weaknesses can be resolved.

Course Name: SCARY STORIES**Grade Level: 9-12****Credit Value: .5 Elective****Prerequisite: None**

Clowns? Insects? Premature burial? These are just a few of the things that have haunted the minds of our society. What scares you? This class will explore how the topics found in our horror stories reflect the collective conscience of humanity. We will look at how these topics have changed throughout time and why. We will travel through time, pausing now and again at the crossroads where horror meets science fiction and humor takes a walk on the dark side. Note: Due to the nature of the stories and film, parental permission is required.

Maine Learning Results Indicators Addressed: 1A

Course Name: SHAKESPEAREAN COMEDY**Grade Level: 10-12****Credit Value: .5 Elective****Prerequisite: None**

What's a "bird bolt"? What does it mean to be "cross gartered"? What does "turned Turk" mean? This course will help students learn strategies for understanding the language of William Shakespeare. Another objective will be to aid students in gaining a sharper insight into his plays. As a result, students should be able to decipher some of the comedic scenes found in the plays studied. Four plays would be read and studied during the semester. Students would perform one play per quarter in class.

Course Name: CREATIVE WRITING**Grade Level: 9-12****Credit Value: .5 Fine Arts****Prerequisite: None**

The course entails reading and writing in both poetry and creative prose. This course is intended to provide students with an opportunity to build and improve creative writing skills. Content includes self-reflection, and mechanical improvement while writing and exploring poetry, prose, and literary non-fiction. This is a writing class, which means that there will be writing assignments every day. Students will succeed in this class IF they are willing to write, edit work, and cooperate with others in writing groups. This course will also include self-reflection, appreciation of literature, confidence-building, and utilizing and improving creative instincts.

Maine Learning Results Indicators Addressed: B1

Course Name: MEDIA ANALYSIS**Grade Level 11-12****Prerequisite: None****Credit value: .5 Elective**

Students will view and examine the effectiveness of creative communication through various types of media. Students will look at various web based videos, advertisements, and web pages in order to investigate the creative and informational platforms available to today's society and how they impact the great audiences of the world. Films, magazines, and newspapers will also be viewed and analyzed. Auditory and visual effects will be looked at and interpreted along with written and spoken language. The content and creativity of all of these mediums will be processed in order to interpret the messages, propaganda, and artistic value of the mass media world we live in.

MSLR performance indicators addressed: E1(a,b,c) E2(a,b,c,d) F1(a,b,c,d)

Course Name: WRITING LAB

Grade Level 11-12

Prerequisite: Recommendation from teacher

Credit value: .5 Elective

Students will become *Writing Lab Staff* and work in a lab setting to aid their peers with various writing assignments. Students who wish to participate in this course must be recommended by a teacher and be motivated to work with their peers. The first part of the course will be training to become a writing lab staff member. Staff will build on their personal communication skills and various methods to properly help clients become better writers. Once students are prepared, the Lab will open to the student body and the writing staff will be able to work with students during their study labs as well.

MSLR performance indicators addressed: B1(b,c,d,e,) B3(a,b) C1(a,b,d,e) E2(a,b,c,d)

FINE ARTS

Course Name: CHORUS

Grade Level: 9-12

Credit Value: 1 Fine Arts

Prerequisite: Audition

Chorus is a performance-based class. The focus is on choral singing, sight singing, vocal literature, diction, tone, blend, music theory, performance behavior, and vocal health. Being a member of chorus also qualifies students to audition for any MMEA Music Festival (District II & Allstate). Outside rehearsal time is needed and expected to perfect performance skills. As a member of chorus, students are expected to perform in all music concerts.

MSLR: A1, A2, Z3, B1, B2, C1, D1, E3, E5

Course Name: CONCERT BAND

Grade Level: 9-12

Credit Value: 1 Fine Arts

Concert band is a performance-based class. The focus is on band literature, music theory, and performance skills. As a member of concert band, students will be expected to perform in at least three concerts a year. Being a member of concert band also qualifies students to audition for any MMEA Music Festival (District II & Allstate). Outside rehearsal time is needed and expected to perfect performance skills. Traditional band instruments include: Piccolo, Flute, Clarinet (Soprano, Alto, Bass, Contra- Bass), Oboe, Bassoon, Saxophone (Alto, Tenor, Baritone), Trumpet, French horn, Euphonium (Baritone Horn), Trombone, Tuba, and Percussion (Snare, Toms, Bass, Cymbals, Mallets, Timpani, Drum Set).

MSLR: A1, A2, Z3, B1, B2, C1, D1, E3, E5

Course Name: HISTORY OF ROCK-N-ROLL

Grade Level: 9-12

Credit Value: .5 Fine Arts

This class chronicles the history of rock-n-roll in ten parts. Part 1 is an exploration of the roots of Rock featuring Elvis Presley, Chuck Berry, Fats Domino, Little Richard, and others. Part 2 is a look at how rock-n-roll affected America's color barrier. Part 3 is an exploration of the Beatles arrival in America and the gains of Motown. Part 4 is an examination of the electric music scene. Part 5 focuses on Otis Redding, Marvin Gaye, James Brown, and Aretha Franklin. Part 6 focuses on the music of the 1960s. Part 7 examines the guitar heroes Eddie Van Halen, Eric Clapton, and Jimmie Page. Part 8 will include a look at Disco. Part 9 is an exploration of punk, crazy hair, leather pants, Elvis Costello, and other legends. And Part 10 includes a look at the 1990s including the rise of street music and the successes of Michael Jackson, Madonna, Run DMC, and NWA.

MSLR: D1, E1, E2, E3, E5

Course Name: HISTORY OF JAZZ

Grade Level: 9-12

Credit Value: .5 Fine Arts

This class chronicles the history of jazz music through its humble origins in blues and ragtime. The class will explore eras in jazz including swing, be-bop, and fusion. It will also examine some of the greatest contributing performers of these eras such as Louis Armstrong and Jelly Roll Morton.

MSLR: D1, E1, E2, E3, E5

Course Name: DIGITAL MUSIC/RECORDING

Grade Level: 9-12

Credit Value: .5 Fine Arts

This is a hands-on course in Music Composition using digital programs and techniques. Students learn how to use Garageband, Sound Studio, iMovie, and Finale Notepad. This class allows for an abundance of student exploration, creativity, & Constructivist learning. Any level of music writing competence is welcome. So, buckle-up, smile, and come prepared to experiment with the limitless possibilities of digital music!

MSLR: B2, C1, D1, E3, E5

Course Name: MUSIC THEORY I

Grade Level: 9-12

Credit Value: 1 Fine Arts

This is a beginning course in the fundamentals of music notation and is designed to develop basic Music literacy. The course consists of a study of notation, melody, harmony, rhythm, and technical musical language. Students will learn basic musical structures, analysis, and beginning composition. Students will study simple musical structures and compose a variety of music using Manuscript, Finale and Garageband.

MSLR: A2, A3, B2, C1, D1, E1, E3, E5

Course Name: MUSIC THEORY II

Grade Level: 10-12

Credit Value: 1 Fine Arts

Prerequisite: Successful Completion of Music Theory I

This is an advanced course designed to further skills in the fundamentals of music notation, music literacy, and music composition. Students will study symbolization, melodic and harmonic elaboration, transposition, part-writing, and simple arranging. The course addresses complex musical structures, score analysis, conducting, and advanced composition using manuscript, Finale, and Garageband.

MSLR: A2, A3, B2, C1, D1, E1, E3, E5

Course Name: STUDIO ARTS

Grade Level: 9-12

Credit Value: .5 Fine Arts

This course is designed to give students introductory exposure to visual arts creative processes. Within this course structure, students work in a wide variety of media and learn the technical skills required for each. Areas covered are Painting, Graphic Printmaking, Drawing, Sculpture, Ceramics and various craft processes. Sample topics: (Lithography, Woodcuts, Screen Printing, Etching & Manufactured Low Relief Printing Production, Wheel Thrown & Hand Built Ceramics, Watercolors & Oil Painting, Drawing (various media), Air Brush, Collage, Mask Making, Sculpting, and Papermaking.

MSLR: A2, A3, B2, C1, D1, E1, E3, E5

Course Name: POTTERY

Grade Level: 9-12

Credit Value: .5 Fine Arts

Prerequisite: Successful Completion of Studio Arts

Hand built or wheel thrown, utilitarian or purely aesthetic, clay has been worked with since the dawn of human-kind. This will be a semester of self-discovery and total self immersion into this most basic of all building materials.

MSLR: A2, A3, B1, B2, B3, B4, C1, D1, E1, E4

Course Name: DIGITAL PHOTOGRAPHY

Grade Level: 11-12

Credit Value: .5 Fine Arts

Digital photography will provide students with the general information and working knowledge of the digital camera. Image capture, how to take better pictures, is the primary focus of this class. Students are also introduced to Photoshop Elements, an image manipulation program, where they file images and have the ability to correct and or somehow change their images. Each student has the availability of their own laptop during this class. There are requirements of 52 images (5 printed), 4 student work critiques and a final project for this class. All work will be contained on individual laptops and in student notebooks. **There is a \$20 lab fee for this course.**

Course Name: FINE ARTS CARVING

Grade Level: 9-12

Credit Value: .5 Fine Arts

This course is designed for a self-directed and lifelong learner. Students will work on carving eggs, apples, birds, and fish. Students need to have patience and a good sense of shape to accomplish the course goals.

Course Name: BASIC FILM

Grade Level: 9-12

Credit Value: .5 Elective

An introduction to producing and editing short film/movies. Working in teams will explore the many capabilities of the MacBook.

Course Name: SURVEY OF CLASSICAL MUSIC

Grade Level: 9-12

Credit Value: .5 Fine Arts

This class chronicles the history of Classical Music in five parts covering 1400's through the late 1800's. Part 1 is an exploration of the Renaissance Era including Tallis, Byrd, and Josquin Des Prez . Part 2 is a look at the Baroque Era studying composers such as Johann Sebastian Bach, Handel, Telemann, and Vivaldi. Part 3 is a look at the Classical Era studying composers such as Gluck, Boccherini, Haydn, and Mozart. Part 4 is an examination of the Early Romantic Period exploring composers such as Beethoven, Berlioz, Chopin, Mendelssohn, Schumann, Liszt, and Verdi. Finally, Part 5 is a study of the Late Romantic Period where we will take a close look at composers such as Tchaikovsky, Saint-Saëns, Dvorák, Debussy, Rimsky-Korsakov, Ravel, and Brahms.

MSLR: D1, E1, E2, E3, E5

FOREIGN LANGUAGES

Course Name: FRENCH II

Grade Level: 10-12

Credit Value: 1 Elective

Prerequisite: Successful Completion of French I

In the second year, students continue to develop their conversational skills and developing their own dialogues for realistic situations. Students are asked to improvise conversation in structured situations. In addition, reading and writing skills are addressed through weekly assignments and journaling. Cultural exploration continues, with a more in-depth look at the French-speaking world.

Maine Learning Results Indicators Assessed: A1, B4, C1, C6, C7, D1, D4, E3, F3

Course Name: HONORS FRENCH II

Grade Level: 10-12

Credit Value: 1 Elective

Prerequisite: Successful Completion of French I

Honors French II is structured for students who plan to continue their studies further in French III and IV. A higher degree of sophistication in conversational skills will be expected as well as mastering extended vocabulary skills and reading and writing skills, emphasis will also be placed on speaking more fluently and more at ease in the target language.

Maine Learning Results Indicators Assessed: A1, B4, C1, C6, C7, D1, D4, E3, F3

Course Name: FRENCH III

Grade Level: 10-12

Credit Value: 1 Elective

Prerequisite: Successful Completion of French II

In the third year, students begin to "fine tune" their skills. To further develop listening and writing skills students will listen to and read a wide variety of French text. They will continue to create their own dialogues and are expected to be able to improvise in a variety of given situations. An understanding of the finer points of grammar is developed in context through weekly writing and reading assignments. Cultural exploration continues, with a more in-depth look at the French-speaking world.

Maine Learning Results Indicators Assessed: A3, B2, C3, C4, E4, F1, F2

Course Name: FRENCH IV

Grade Level: 10-12

Credit Value: 1 Elective

Prerequisite: Successful Completion of French III

In this course, which is conducted completely in French, students learn to analyze and evaluate a variety of texts, oral, written, and visual, in order to broaden their communicative skills. The reading is selected from a wide variety of sources. Cultural exploration continues, with a more in-depth look at the French-speaking world. Writing, independent cultural projects and active communication in class are all features of the course. It is understood that the course will be conducted almost exclusively in French.

Course Name: FRENCH LAB**Grade Level: 10-12****Credit Value: 1 Elective**

The purpose of this course is to benefit all French II, III and IV students by enhancing their work performance in their regular French class. Lab time will be opened to all French students and will be used to work with students both in small groups and individually to clarify any questions pertaining to French grammar, pronunciation, writing, reading and cultural exploration. This course will also provide time to French students who want to discuss a topic covered in class in further depth. Enrichment activities in French will be made available to student who desire to learn. This course will be conducted in French to add to the French emersion experience. English will be spoken to students who need instructions to clarify any problems they may have with an assignment.

Course Name: SPANISH I**Grade Level: 9-12****Credit Value: 1 Elective**

Spanish I is geared to the college bound student and to those who have a sincere desire to learn the language. The program is designed to enable the student to gain a basic knowledge of the language and of the Hispanic culture. Equal emphasis is placed on learning through listening, reading, speaking, and writing in the target language.

Maine Learning Results Indicators Assessed: A2, B1, B3, B5, C2, C5, D2, D3, D5, E1, E2, F4, F5**Course Name: SPANISH II****Grade Level: 9-12****Credit Value: 1 Elective****Prerequisite: Successful Completion of Spanish I**

Spanish II continues the language acquisition begun in Spanish I. Through listening activities, writing exercises, and speaking activities (in pairs and in groups), students will further their knowledge of the Spanish language and the culture of the various Spanish-speaking regions throughout the world. Students will build on the concepts learned the previous year, while broadening the vocabulary base that was developed.

Maine Learning Results Indicators Assessed: A1, B4, C1, C6, C7, D1, D4, E3, F3**Course Name: HONORS SPANISH II****Grade Level: 9-12****Credit Value: 1 Elective****Prerequisite: Successful Completion of Spanish I and Teacher Recommendation**

The honors section of Spanish II is geared towards those who plan to go on to Spanish III and AP Spanish. Students in this course should have a well developed work ethic. An added emphasis will be placed on reading and listening for understanding, as well as a great effort expended in speaking in the target language.

Maine Learning Results Indicators Assessed: A1, B4, C1, C6, C7, D1, D4, E3, F3**Course Name: SPANISH III****Grade Level: 10-12****Credit Value: 1 Elective****Prerequisite: Successful Completion of Spanish II**

While maintaining the expansion of a structural and grammatical base of knowledge, Spanish III will also broaden the reading base of students. Hispanic authors will be introduced with the focus shifting from mere translation to the interpretation of the reading selections. An emphasis will be placed on using more of the target language in the daily life of the classroom.

Maine Learning Results Indicators Assessed: A3, B2, C3, C4, E4, F1, F2

Course Name: ADVANCED PLACEMENT SPANISH/SPANISH IV

Grade Level: 11-12

Credit Value: 1 Elective

Prerequisite: Successful Completion of Spanish III

Taught almost entirely in Spanish, this course will encourage students to not only speak in the target language, but to think in it. Previously having developed a firm base in the grammatical structure of the language, students can now concentrate on perfecting the accent and reading ability.

Communication, covering a wide variety of topics, will be key to the course.

Maine Learning Results Indicators Assessed: A1, A2, A3, B1, B2, B3, B4, B5, C1, C2, C3, C4, C5, C6, C7, D1, D2, D3, D4, D5, E1, E4, F2

Course Name: SPANISH LAB

Grade Level: 9-12

Credit Value: 1 Elective

Prerequisite:

For those students who want, or feel they would like extended work in Spanish. Work will be done individually, in small groups and one-on-one with the teacher. From Spanish I to AP, resources such as the Internet will be employed to obtain a greater knowledge in speaking, reading, writing and grammar.

INDUSTRIAL TECHNOLOGY

Course Name: MATERIAL PROCESSES

Grade Level: 9-12

Credit Value: 1 Elective

Material processes provides an excellent opportunity for students to explore the woodworking industry, construction, and fine carving in an intellectual and hands-on setting. Students also will be required by the instructor to work in a safe manner while enrolled in any industrial arts class.

Course Name: METAL TECHNOLOGY

Grade Level: 9-12

Credit Value: .5 Elective

This course will stress the fundamentals of arc welding, mig welding, oxygen-acetylene welding, hot metals (forge and foundry), lathe, milling machine, and sheet metal. All areas of study will be related to industrial processes. Safety, personnel system, material organization, design, and planning will intertwine the different areas of study.

Course Name: ENGINEERING TECHNOLOGY

Grade Level: 10-12

Credit Value: .5 Elective

This is an excellent opportunity for students to explore the engineering profession. Students will become creative and practical problem solvers by designing and building bridges, solar cars, catapults, and earthquake proof buildings. A background in wood technology or building construction would be helpful.

Course Name: WOOD TECHNOLOGY

Grade Level: 9-12

Credit Value: .5 Elective

This course is a study of the wood manufacturing industries and technology. Students will be introduced to the basic concepts of hand tools, machines, and the processes utilized by this industry. Safety, personnel system, material organization, design, planning and caring for the tools will be the main focus of this course.

Course Name: BUILDING CONSTRUCTION

Grade Level: 9-12

Credit Value: .5 Elective

Prerequisite: Successful Completion of Wood Technology

This course is the study of the basic concepts of construction technology. The course will focus on construction design, basic layout work techniques of building the trade, tools of the trade, safety, and actual hands-on building.

Course Name: ADVANCED WOOD TECHNOLOGY

Grade Level: 9-12

Credit Value: .5 Elective

Prerequisite: Successful Completion of Wood Technology

This course will provide the student with an opportunity for advanced work with tools, materials and processes utilized in the wood manufacturing industry. Selected products will be developed and constructed to fine quality.

MATHEMATICS

Course Name: HONORS ALGEBRA I

Grade Level: 9-12

Credit Value: 1 Mathematics

Prerequisite: Recommendation of Math Teacher

Topics are: (1) Expressions and equations which include the language of algebra, real numbers and solving linear equations. (2) Linear functions which include graphing relations and functions, analyzing linear equations, solving linear inequalities and solving systems of linear equations and inequalities. (3) Polynomials and nonlinear functions which include polynomials, factoring and quadratic and exponential functions. (4) Radical and rational functions which include radical expressions and triangles and rational expressions and equations.

Maine Learning Results Indicators Assessed: A1, B1, H3, G2, D1

Course Name: ALGEBRA 1

Grade Level: 9-12

Credit Value: 1 Mathematics

Prerequisite: Recommendation of Math Teacher

Topics are: (1) Expression and equations which include: the language of algebra, real numbers and solving linear equations. (2) Linear functions which include graphing relations and functions, analyzing linear equations, solving linear inequalities and solving systems of linear equations and inequalities.

Maine Learning Results Indicators Assessed: A1, B1, H3, G2, D1

Course Name: ALGEBRA II

Grade Level: 9-12

Credit Value: 1 Mathematics

Prerequisite: Successful Completion of Algebra I and Recommendation of Math Teacher

Algebra II is a continuation of Algebra I. After a brief review of basic material from Algebra I, the following topics will be addressed: linear functions and relations, systems of linear equations and inequalities, operations on polynomials and rational expressions, quadratic equations, and real number exponents. Real world applications are presented within the course content.

Maine Learning Results Indicators Assessed: A1, I1, G3, D1

Course Name: HONORS ALGEBRA II

Grade Level: 9-12

Credit Value: 1 Mathematics

Prerequisite: Successful Completion of Honors Algebra I and Recommendation of Math Teacher

Algebra II is a continuation of Algebra I. After a brief review of basic material from Algebra I, the following topics will be addressed: linear functions and relations, systems of linear equations and inequalities, operations on polynomials and rational expressions, quadratic equations, and real number exponents. Real world applications are presented within the course content. The expectations in the honors section are higher and the pace is quicker. Students in the honors section are expected to be self-motivated, hard workers and willing to challenge themselves.

Maine Learning Results Indicators Assessed: A1, I1, G3, D1

Course Name: GEOMETRY

Grade Level: 9-12

Credit Value: 1 Mathematics

Prerequisite: Successful Completion of Algebra II and Recommendation of Math Teacher

Geometry is the study of space and its various subsets. This will be accomplished by inductive and deductive reasoning and algebraic analysis. Real world applications are presented within the course content. Coordinate geometry and triangle trigonometry are explored in the second semester.

Maine Learning Results Indicators Assessed: E2, E3, K1, F2

Course Name: HONORS GEOMETRY

Grade Level: 9-12

Credit Value: 1 Mathematics

Prerequisite: Successful Completion of Algebra II and Recommendation of Math Teacher

Geometry is the study of space and its various subsets. This will be accomplished by inductive and deductive reasoning and algebraic analysis. Real world applications are presented within the course content. Coordinate geometry and trigonometry are explored in the second semester. The expectations in the honors section are higher and the pace is quicker. Students in the honors section are expected to be self-motivated, hard workers and willing to challenge themselves.

Maine Learning Results Indicators Assessed: E2, E3, K1, F2

Course Name: ADVANCED ALGEBRA

Grade Level: 12

Credit Value: 1 Mathematics

Prerequisite: Successful Completion of Geometry and Recommendation of Math Teacher

Advanced algebra is designed to prepare students for basic college algebra. Mathematical concepts and skills to be developed and refined through extensions of algebra, geometry and functions. The course includes a study of polynomial, rational and trigonometric functions.

Maine Learning Results Indicators Assessed: A1, I1, G3, D1

Course Name: PRE-CALCULUS

Grade Level: 11-12

Credit Value: 1 Mathematics

Prerequisite: Successful Completion of Algebra II and Recommendation of Math Teacher

Specific functions (algebraic, trigonometric, exponential, and logarithmic) which are essential to The development of differential calculus will be expanded upon. Particular stress will be placed upon graphic techniques using rectangular coordinates. Functions, also covered in this course, is designed to prepare students for Advanced Placement (AP) math. Emphasis is on function theory as a preparation for the study of calculus.

Maine Learning Results Indicators Assessed: A1, I1, G3, D1

Course Name: STATISTICS

Grade Level: 11-12

Credit Value: 1 Mathematics

Prerequisite: Successful Completion of Algebra I, II and Geometry

Recommendation of Math Teacher

This course will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- 1) Exploring data: describing patterns and departures from patterns.
- 2) Sampling and experimentation: planning and conducting a study.
- 3) Anticipating patterns: exploring random phenomena using probability and simulation.
- 4) Statistical inference: estimating population parameters and testing hypotheses.

Maine Learning Results Indicators Assessed: C2, C3, C4, D1, D2, J1

Course Name: AP CALCULUS A/B plus LAB

Grade Level: 12

Credit Value: 1.5 Mathematics

Prerequisite: Successful Completion of Pre-Calculus and Recommendation of Math Teacher

This course is intended for highly motivated students who have a thorough knowledge of college preparatory math, including algebra, geometry, trigonometry, and elementary functions. Basic differential and integral calculus will be developed. Practical applications via word problems play an integral part of the course. Students will be prepared to take the AP Calculus AB exam in the spring. A graphing calculator is required. Lab time will be spent discussion questions on homework assignments, exploring new concepts through the use of models and technology and working on applied calculus problems such as those that appear on the AP Exam.

PHYSICAL EDUCATION AND HEALTH

Course Name: HEALTH

Grade Level: 9

Credit Value: .5 Health

All entering freshmen will enroll in this course. Topics will include personal health including mental and emotional health, as well as self-esteem, fitness for life, nutritional health, family life and sexuality, growth and development, prevention and control of disease and disorders including a section on AIDS, substance abuse including alcohol, tobacco and drugs, and safety and accident prevention.

Course Name: CORE PHYSICAL EDUCATION

Grade Level: 9-10

Credit Value: .5 Physical Education

In this course students will learn about different sports, games and activities that promote an active and healthy lifestyle. Students are required to successfully complete one physical education credit. One-half credit needs to be in Core Physical Education.

Students will be graded on a pass/fail basis. Class attendance, participation, effort, skill level, and knowledge of rules and strategies will be considered in the grading process. A high percentage of class participation is required to pass. Students will be issued a locker, and in most instances, physical education equipment will be provided. Students must provide their own activity clothing. A variety of activity choices will be offered throughout the quarter.

Students who have earned their total credit requirement of one full credit and want to continue in physical education but cannot enroll in the physical education elective may have the option to enroll in the core program as a student leader if there is remaining space and with teacher approval. In addition, student leaders will be required to sign a contract that outlines higher expectations.

Course Name: FITNESS TRAINING

Grade Level: 9-12

Credit Value: .5 Physical Education or Elective

Prerequisite: Successful Completion of at least 1 semester of Core Physical Education

Students enrolling in this elective can expect to participate in cardio-respiratory endurance activities (e.g., walking, jogging, running, etc.) as well as flexibility exercises. To be more specific, during the warmer weather, students will be involved in learning about and participating in cardio endurance activities that utilize the track facility or school grounds. This component will last approximately one quarter. During the colder weather, students will be involved in learning about and participating in fitness training activities that utilize the gym. The flexibility component will be incorporated throughout the semester through stretching. Upon instructor approval, a student may use this elective towards partial fulfillment (up to .5 credit) of his or her physical education credit and/or to meet the Maine Learning Results performance indicators. Students who are allowed this option will be required to meet different expectations than those who choose the class as an elective. It is important to note that students may take only one elective towards their physical education requirement.

Course Name: PHYSICAL EDUCATION ELECTIVE

Grade Level: 10-12

Credit Value: .5 Elective

Prerequisite: Successful Completion of 1 Credit in Physical Education

In this course, students will participate in and learn about many of the same sports, games, and activities in the core program, as well as new options as determined by the instructor. The students will be expected to officiate and monitor themselves and others during the activities. Students will be graded on a pass/fail basis. Class attendance, participation, effort, skill level, and knowledge of rules and strategies will be considered in the grading process. A high percentage of class participation is required to pass. Students will be issued a locker, and in most instances, physical education equipment will be provided. Students must provide their own activity clothing.

Course Name: RESISTANCE TRAINING

Grade Level: 9-12

Credit Value: .5 Physical Education or Elective

This course is designed around teaching students proper weightlifting form and technique. The importance of safety is always stressed. The goal of the course is to help promote health now and in the future. Students are expected to have a change of clothing, keep a log of their activity, and participate in each class. Upon instructor approval, a student may use this elective towards partial fulfillment (up to .5 credit) of his or her physical education credit and/or to meet the Maine Learning Results performance indicators. Students who are allowed this option will be required to meet different expectations than those who choose the class as an elective. It is important to note that students may take only one elective towards their physical education requirement and cannot count as an elective credit. Participation in this course is rigorous and routine-oriented.

Course Name: TELSTAR CHALLENGE

Grade Level: 10-12

Credit Value: .5 Physical Education or Elective

Prerequisite: Successful Completion of at least 1 semester of Core Physical Education

This elective program is divided into three main components. The first is a group challenge segment in which students will be exposed to a variety of physical challenges where they have to work together to solve problems. The second component involves an emergency first aid for life segment. Students will be trained in a variety of first aid skills complementing the third component. The third component will include exposure to a beginner level whitewater canoe program. Participation in the white water canoeing aspect of the seminar has some inherent risks that could result in personal injury. In addition, students will be missing classes in other courses as a result of being out of school on days this seminar is on the water. Therefore, understand that in taking this elective course, you will have the responsibility for making up missed work. There is a lab fee of \$20. Upon instructor approval, a student may use this elective towards partial fulfillment (up to .5 credit) of his or her physical education credit and/or to meet the Maine Learning Results performance indicators. Students who are allowed this option will be required to meet different expectations than those who choose the class as an elective. It is important to note that students may take only one elective towards their physical education requirement.

Course Name: PHYSICAL EDUCATION STUDENT LEADER

Grade Level: 10-12

Credit Value: .5 Physical Education or Elective

Prerequisite: Successful Completion of at least 1 semester of Core Physical Education and Teacher recommendation

Students who have been positive members of their previous Physical Education classes with high marks in conduct and effort and teacher approval may enroll in high school Physical Education classes as a student leader. Responsibilities include: facilitating warm-up and stretching activities, facilitating a group or team, assisting in assessment set-up, officiating, equipment repair and maintenance, participating in the physical education activities and other assigned duties. Students can participate in various leadership roles and are expected to handle many situations involving freshmen and sophomores enrolled in the Core Physical Education program.

SCIENCE

Course Name: GLOBAL SYSTEMS-FRESHMAN SCIENCE

Grade Level: 9

Credit Value: 1 Science

Freshman science classes use the program Global Systems Science, an integrated program that emphasizes how scientists from different fields of study work together to understand significant problems that impact the earth. Students take an active role through research and by learning how scientists in the field are working to solve worldwide environmental problems. Students are challenged to make decisions and propose solutions to problems in the environment. Students are given practice that will help them to become active citizens in today's society. Reading, science writing, applying concepts and analyzing data are skills that freshmen taking this course should have.

Maine Learning Results Indicators Assessed: D6, F2, G1, G3, M1

Course Name: HONORS GLOBAL SYSTEMS - FRESHMAN SCIENCE

Grade Level: 9

Credit Value: 1 Science

Prerequisite: Recommendation of Science Teacher

The honors section of Freshman Science also uses the Global Systems Science program. The expectations are set higher and the students in Honors are expected to be self motivated. The reading is more challenging and the analysis more in-depth. The Honors section is designed for those students who want to be challenged and enjoy working hard. Extensive reading, writing and research is involved.

Maine Learning Results Indicators Assessed: D6, F2, G1, G3, M1

Course Name: EARTH SCIENCE

Grade Level: 9

Credit Value: 1 Science

This course for freshmen takes a more traditional approach to the study of the earth. Students will study geology and land use, the atmosphere and global warming, the oceans and biodiversity, and issues facing the earth today. Students will be expected to do daily homework assignments, keep a science notebook, and complete long-term projects. Group work is emphasized, with cooperative learning and sharing of ideas of students.

Maine Learning Results Indicators Assessed: F:1-6, J:1-3, L:3,4,7, M:1,2

Course Name: BIOLOGY

Grade Level: 10

Credit Value: 1 Lab Science

This course takes a less comprehensive look at living systems with a focus on a hands on approach. The topics covered include cells, plants, animals, human anatomy and physiology, heredity and evolution. Lectures, labs, keeping a notebook, and special projects are all parts of this program.

Course Name: HONORS BIOLOGY

Grade Level: 10

Credit Value: 1 Lab Science

Prerequisite: Recommendation of Science Teacher

This program is designed for students who wish to study living things in greater detail. The topics covered include cells, plants, animals, human anatomy and physiology, heredity and evolution. Lectures labs, keeping a notebook, and special projects, are all important parts of this program. A research paper is required. The approach will be more extensive and intensive than the traditional Biology course.

Course Name: CHEMISTRY**Grade Level: 11-12****Credit Value: 1 Lab Science**

This course introduces the composition of substances and the physical and chemical changes they can undergo. Students will come to have a better understanding of the world they live in. They will see why substances behave the way they do and come to appreciate and understand the organization of the Periodic Table. This course is designed for motivated students who enjoy lab work, group problem solving, and quantitative work. Basic algebra skills are necessary.

Maine Learning Results Indicators Assessed: E3, E4, E5, E6, H9, I5, I6**Course Name: HONORS CHEMISTRY plus LAB****Grade Level: 11-12****Credit Value: 1.5 Lab Science****Prerequisite: Successful Completion of Geometry and Recommendation of Science Teacher**

This course introduces the composition of substances and the physical and chemical changes they can undergo. Students will come to have a better understanding of the world they live in. They will see why substances behave the way they do and come to appreciate and understand the organization of the Periodic Table. This course is designed for motivated students who enjoy lab work, group problem solving, and quantitative work. Strong algebra skills are necessary. Students should be willing to put considerable time into the course outside of class time

Maine Learning Results Indicators Assessed: E3, E4, E5, E6, H9, I5, I6**Course Name: ADVANCED CHEMISTRY****Grade Level: 12****Credit Value: 1 Science****Prerequisite:** Successful completion of honors chemistry or recommendation of science teacher.

This course is a second-year chemistry course. A student may choose to take the AP Exam at the end of the course. All members of the class will participate in the annual Chemistry Olympiad test in March. Topics in the course will include stoichiometry, thermochemistry, kinetics, equilibrium, acid-base chemistry, electrochemistry and nuclear chemistry. This course is meant for the motivated student who would like to pursue chemistry in more depth. This course will be excellent preparation for college chemistry.

Course Name: PHYSICS plus LAB**Grade Level: 11-12****Credit Value: 1.5 Science**

Description: A conceptual approach to physics will be taken in this course. Basic algebra skills will be helpful to have. Lab activities, projects and class discussions will be the main components of this course. Topics will include kinematics, Newton's laws of motion, momentum and impulse, energy, buoyancy, gravity, sound, optics, electricity and magnetism. A trip to Fun Town will be a culminating activity at the end of the school year.

Maine Learning Results Indicators Assessed: G1, H3, H4, I3, K4, L3, and M1**Course Name: HONORS PHYSICS plus LAB****Grade Level: 11-12****Credit Value: 1.5 Science****Prerequisite: Successful Completion of Algebra II, Biology and Recommendation of Science Teacher**

Description: This course is designed for the motivated student who has a strong background in mathematics. Algebra and trigonometry skills will be used frequently. Topics will include kinematics, Newton's laws of motion, momentum and impulse, energy, rotational equilibrium, electricity and magnetism, thermodynamics, waves and optics. Lab work will be heavily emphasized in this course. A trip to Fun Town will be a culminating activity at the end of the school year.

Maine Learning Results Indicators Assessed: G1, H3, H4, I3, K4, L3, and M1

Course Name: HUMAN ANATOMY/PHYSIOLOGY

Grade Level: 12

Credit Value: 1 Lab Science

Prerequisite: Successful Completion of Biology with a B or better

This course focuses on the anatomy and physiology of the human animal. We look at many areas of anatomy and physiology in great detail. Discussion, reading assignments, worksheets, labs, and quarterly projects are the main events of this program. Previous or concurrent enrollment in chemistry is recommended.

Course Name: ENVIRONMENTAL ISSUES

Grade Level: 9-12

Credit Value: .5 Science

This class will identify and search for solutions to environmental problems facing the Earth. This course will explore the atmosphere and how it works, the changing climate, air pollution, agriculture, soil science, population dynamics, aquatic ecosystems, toxic waste and water for the world.

Maine Learning Results Indicators Assessed: B1, B3, B4, D3, J1, J2, K2, K6, L3, L4, L7, M1, M2, M3 and M4

Course Name: ENERGY IN OUR SOCIETY

Grade Level: 9-12

Credit Value: .5 Science

This class will explore how energy is and has been used in our society including: fossil fuels, renewable resources, hydropower, nuclear power, wind power, geothermal power, solar power, biofuels, thermal pollution, future energies and careers in energy.

Maine Learning Results Indicators Assessed: B4, E7, H6, J9, J1, K1, K2, K3, K6, L3, L4, L7, M1, M2, M3, M4, M5, M6

Course Name: MICROBIOLOGY

Grade Level: 11-12

Credit Value: .5 Science

This course will be an introductory experience into the world of microbiology. Students will use the compound microscope to discover the smaller world that surrounds them. Students will collect, observe, classify many forms of the microorganisms that share this world with us. The students will be responsible for creating and maintaining a notebook of the different microorganisms that are collected.

Course Name: EVERYDAY CHEMISTRY

Grade Level: 11-12

Credit Value: 1.0 Science

Description: This course will be designed for students who want to discover how chemistry concepts apply to their everyday life. It will be more conceptual than the traditional chemistry course. We will cover a variety of topics including food science, nutrition, cosmetics, forensics, water quality testing, snowmaking, energy use, and combustion engines. Other ideas will be welcomed. Lab work, active classroom participation and projects will be major parts of this course.

SOCIAL STUDIES

Course Name: EXPERIENCES IN SOCIAL STUDIES I

Grade Level: 9

Credit Value: .5 Social Studies

This course will introduce the ninth grade student to practical applications of geography, identifying consumerism, and the general history of early democracy. It will employ a variety of hands on activities in order to learn a variety of skills including basic map skills such as determining direction, distance, coordinates; consumer skills such as examining techniques in advertising in order to make better consumer choices; and learning about Ancient Greek Democracy in order to discover the advantages and disadvantages of a purely democratic system. In order to make activities as relevant as possible to student's lives topics will be approached starting as close to home as possible before spreading out into the broader world. Therefore, the Geography Unit will begin with local geography and maps, spread out into the rest of Maine, then New England, the United States, North America and so on so that the entire world will eventually be blanketed to one degree or another.

Maine Learning Results Indicators Assessed: D1 and D2

Course Name: EXPERIENCES IN SOCIAL STUDIES II

Grade Level: 9

Credit Value: .5 Social Studies

This course will introduce the ninth grade student to practical experiences with our form of government. It will employ a variety of hands on activities in order to learn a variety of skills including basic constitutional rights, voter registration and participation, acquiring a passport, and general civic duties such as jury duty as well as some history of the republican form of democracy. In order to make activities as relevant as possible to student's lives topics will be approached starting as close to home as possible before spreading out into the broader world. Therefore, the Voting Unit will incorporate participation in the planning, implementation, and resolution of class officer elections in the spring.

Maine Learning Results Indicators Assessed: B1 and B2

Course Name: GLOBAL PERSPECTIVES I

Grade Level: 9

Credit Value: .5 Social Studies

This course will introduce the ninth grade student to a variety of cultures and civilizations from the ancient past as well as the present. The struggles and achievements of western civilization will be emphasized. This course looks to view ancient history with an eye toward its implications for present societies. Beginning with prehistoric people we will explore early river valley civilizations of Europe, Asia, and Africa as well as ancient Greek civilization. In addition, the founding of six of the world's modern religions will be examined from an historical perspective. Historical figures such as Hammurabi, Pericles, Alexander of Macedon, Confucius, and King Solomon will be examined for their lasting contributions to civilization. Interspersed throughout the course we will try to draw parallels to our own times as we deal with civil rights, American politics, and the U.S. Constitution. Against this backdrop of old and new, students will examine concepts dealing with the impact of geography on the behavior and movement of peoples.

Maine Learning Results Indicators Assessed: History A1 and B3 and Geography A1 and B4

Course Name: HONORS GLOBAL PERSPECTIVES I

Grade Level: 9

Credit Value: .5 Social Studies

Prerequisite: Recommendation of Social Studies Teacher

This course will introduce the ninth grade student to a variety of cultures and civilizations from the ancient past as well as the present. Historical figures and events will be approached in a thematic format, such as; the role of women in history, the movement of people and their effects on history, the rise and use of political power in history. Students will be expected to develop and use extensive critical thinking skills as they read and write about events that occurred in the past with a goal of preparing the student for AP World History their sophomore year. Beginning with prehistoric people we will explore early river valley civilizations of Europe, Asia, and Africa as well as ancient Greek civilization. Historical figures such as Hammurabi, Pericles, Alexander of Macedon, Confucius, and King Solomon will be examined for their lasting contributions to civilization. Interspersed throughout the course we will try to draw parallels to our own times as we deal with civil rights, American politics, and the U.S. Constitution. Against this backdrop of old and new, students will examine concepts dealing with the impact of geography on the behavior and movement of peoples. Students will read two novels, The Clan of the Cave Bear and The Gates of Fire, during the course of the semester.

Maine Learning Results Indicators Assessed: History A1 and B3 and Geography A1 and B4

Course Name: GLOBAL PERSPECTIVES II

Grade Level: 9

Credit Value: .5 Social Studies

This course will introduce the ninth grade student to a variety of cultures and civilizations from the ancient past as well as the present. The struggles and achievements of western civilization will be emphasized. This course looks to view ancient history with an eye toward its implications for present societies. Starting with the rise of the Roman empire we will explore other empires of the world before moving into the rise of Europe and Medieval civilization. Historical figures such as Hannibal, Caesar, Cleopatra, and Charlemagne will be examined for their lasting contributions to civilization. Interspersed throughout the course we will try to draw parallels to our own times as we deal with civil rights, American politics, and the U.S. Constitution. Against this backdrop of old and new, students will examine concepts dealing with the impact of geography on the behavior and movement of peoples.

Maine Learning Results Indicators Assessed: Civics and Government A3 and B1, History A1, and Geography B4

Course Name: HONORS GLOBAL PERSPECTIVES II

Grade Level: 9

Credit Value: .5 Social Studies

Prerequisite: Recommendation of Social Studies Teacher

This course will introduce the ninth grade student to a variety of cultures and civilizations from the ancient past as well as the present. Historical figures and events will be approached in a thematic format, such as; the role of women in history, the movement of people and their effects on history, the rise and use of political power in history. Students will be expected to develop and use extensive critical thinking skills as they read and write about events that occurred in the past with a goal of preparing the student for AP World History their sophomore year. Starting with the rise of the Roman empire we will explore other empires of the world before moving into the rise of Europe and Medieval civilization. Historical figures such as Hannibal, Caesar, Cleopatra, and Charlemagne will be examined for their lasting contributions to civilization. Interspersed throughout the course we will try to draw parallels to our own times as we deal with civil rights, American politics, and the U.S. Constitution. Against this backdrop of old and new, students will examine concepts dealing with the impact of geography on the behavior and movement of peoples. Students will read two novels, Hannibal and Masada, during the course of the semester.

Maine Learning Results Indicators Assessed: Civics and Government A3 and B1, History A1, and Geography B4

Course Name: WORLD STUDIES**Grade Level: 10****Credit Value: .5 Social Studies**

This course traces the major political, economic, social and religious events in the history of Great Britain and its people. The student will meet with Richard the Lionhearted and Robin Hood, Henry VIII and his six wives, King George III and the thirteen Atlantic colonies, as well as Winston Churchill and World War II. Through various activities that demonstrate the evolution of the British Empire to the Commonwealth of today, the student will explore many global events and processes. This course also allows the student to delve into the history of the Russian people, as well. World Studies bridges the gap between Global Perspectives and 11th grade United States history.

Maine Learning Results Indicators Assessed: Economics C1 and D2, Geography A1 and B4, History A1, B3, and C4, Civics and Government B1**Course Name: INTERNATIONAL RELATIONS****Grade Level: 10****Credit Value: .5 Social Studies**

This course will introduce students to countries and cultures around the world that may have an impact on the world's future. The concept of a global village will be discussed and used as a theme throughout. Students will use mapping techniques to discover the locations of various cities and regions throughout the world. The lifetime philosophy of Mahatma Gandhi—non-violence and peaceful resistance—will be studied. There is no textbook for this course; learning materials include maps, video footage, the *N.Y. Times Upfront* magazine, ancillary novels such as *The Breadwinner*, excerpts from daily news stories. In the past, this course has surveyed Australia, Africa, Afghanistan and India. Personalities and groups encountered in this course have included: Australia's Aboriginal tribes, Christian monasteries of Ethiopia, Africa's Nelson Mandela and Bishop Desmond Tutu, the Taliban, Nehru and Gandhi.

Maine Learning Results Indicators Assessed: Geography B4 and A1, History A1, B3, and C4, Civics and Government A3**Course Name: ADVANCED PLACEMENT WORLD HISTORY****Grade Level: 10-11****Credit Value: 1 Social Studies****Prerequisite: Successful Completion of Global Perspectives**

This course is a rigorous, challenging study that is equivalent to a first-year college survey of World History. The AP World History course offers motivated students the opportunity to immerse themselves in the processes that, over time, have resulted in the knitting of the world into a tightly integrated whole. AP World History offers an approach that lets students "do history" by guiding them through the steps a historian would take analyzing historical events and evidence worldwide over a millennium. The course attempts to offer truly global coverage with Africa, the Americas, Asia and Europe each represented. The student's proficiency will be tested by a national final examination in May. Based on the results, the student could earn up to six college credits.

Maine Learning Results Indicators Assessed: Economics C1 and D2, Geography A1 and B4, History A1, B3, and C4, Civics and Government A3 and B1

Course Name: UNITED STATES HISTORY 1 (1848-1900)

Grade Level: 11

Credit Value: .5 Social Studies (United States History)

This segment of United States history begins around 1848 and engages the student with an understanding of how America had fulfilled its manifest destiny. The student will follow the course of events through the 1850s as new states were admitted to the Union and he or she will encounter the institution of slavery. By 1860 the nation was in peril and eventually Americans fought other Americans in the Civil War. The student will survey the events of this war between the states. Major areas of discussion include the economics of the post-war South as well as the Dred Scott Supreme Court case. Personalities encountered in this semester course will include Abraham Lincoln, Robert E. Lee, Colonel Robert Gould Shaw, John Brown, and Dred Scott.

Maine Learning Results Indicators Assessed: Economics C1 and D2, Geography A1 and B4, History A1, B3, and C4, Civics and Government A3 and C7

Course Name: UNITED STATES HISTORY 2 (1900-1945)

Grade Level: 11

Credit Value: .5 Social Studies (United States History)

This segment of United States history will survey a time of great industrial growth and inventions. The era of monopolies, trusts, and trust busting will be discussed. We will delve in the great immigration era of the late 1800s with a focus on how it affected economics in America. Discussions will include the Supreme Court case Plessy vs. Ferguson. Personalities encountered include Andrew Carnegie, John D. Rockefeller, J.P. Morgan, Thomas Edison, Theodore Roosevelt, Woodrow Wilson, Calvin Coolidge, Franklin D. Roosevelt, and Adolph Hitler.

Maine Learning Results Indicators Assessed: Economics C1 and D2, Geography A1 and B4, History A2, B3, and C4, Civics and Government A3, B1, and C7

Course Name: UNITED STATES HISTORY 3 (1941-present)

Grade Level: 12

Credit Value: .5 Social Studies (United States History)

The student will learn about the underlying causes of the disaster at Pearl Harbor. The student will survey the presidencies of Franklin D. Roosevelt to the current administration. This course will review some of the television commercials and shows of the 1950s and the 1960s. Students will survey the music of the 1960s to the 1980s. Students will be exposed to the political campaign materials of JFK's run for the White House. The student will follow the course of events through Korea, Communism, McCarthyism, the Berlin Wall, the Cuban Missile Crisis, the Watts and Chicago riots, Vietnam, Hippies and Woodstock, Kent State University. Personalities discussed throughout this course include: Japan's Emperor Hirohito, Dwight Eisenhower, Douglas McArthur, Chester Nimitz, Harry Truman, John F. Kennedy, Martin Luther King Jr., Nikita S. Khrushchev, Lyndon B. Johnson, The Beatles.

Maine Learning Results Indicators Assessed: Economics C1 and D2, Geography B4, History A1, B3, and C4, Civics and Government A3, B1, and C7

Course Name: Pre-AP UNITED STATES HISTORY (Exploration-Reconstruction)

Grade Level: 11

Credit Value: 1 Social Studies (United States History)

Prerequisite: AP World History and/or Teacher Recommendation

The intention of this thirty-six week course is that the student will continue the study of American history into the next year with Advanced Placement U.S. History. This course is a rigorous, challenging study that is designed to prepare the student for A.P. United States History. Its content attempts to trace major events and people from the period of Old World contact with the New through the American Civil War. The student will use as vehicles the major threads of history, such as political, economic, social and intellectual to guide them through this course. It stresses analysis of primary sources, interpretation of works by various historians, supplemental historical readings and formal writing based on intensive research.

Maine Learning Results Indicators Assessed: Economics C1 and D2, Geography A1 and B4, History A1, B3, and C4, Civics and Government A3, B1 and C7

Course Name: ADVANCED PLACEMENT UNITED STATES HISTORY (Reconstruction to Present)

Grade Level: 12

Credit Value: 1 Social Studies (United States History)

Prerequisite: Pre-AP United States History and teacher approval

This year course is a rigorous, challenging study that is equivalent to a first-year college survey of United States History. Its content attempts to trace major events and people from the Reconstruction Era to the presidency of Bill Clinton. The student will use as vehicles the major threads of history, such as political, economic, social and intellectual to guide them through this course. It stresses analysis of primary sources, interpretation of works by various historians, supplemental historical readings and formal writing based on intensive research. An AP United States History course needs to develop these skills so that the student can arrive at valid conclusions based on accurate information, and present the evidence clearly and persuasively in essay format. The student's proficiency will be tested by a national final examination in May. Based on the results, the student could earn up to six college credits.

Maine Learning Results Indicators Assessed: Economics C1 and D2, Geography A1 and B4, History A1, B3, and C4, Civics and Government A3, B1, and C7

Course Name: CURRENT EVENTS

Grade Level: 10,11, 12

Credit Value: .5 Elective

This course will utilize the media (newspapers, radio, magazines, etc.) to study events happening in the United States and around the world. We will discuss war, famine, homelessness, other governments of the world, art, literature, music and how an idea becomes a law. We may occasionally have guest speakers. "Current events" means we will learn about things as they are happening. This course will be upbeat and fast-paced. Novels have included, "The 9/11 Report," which is a graphic adaptation based on the "National Commission on Terrorist Attacks Upon the United States." Students are required to read *The Sun Journal* on a daily basis.

Maine Learning Results Indicators Typically Assessed: Economics C1 and D2, History A1 and C4; Civics and Government A3, B1, and C4

Course Name: JOURNALISM/YEARBOOK

Grade: 9-12

Credits: 1 Elective

This course is designed for students to be actively involved in the production of the school yearbook including photography, page design, sales and more. Students will practice their communication skills to gather information, organize it, produce individual pages and sections, and ultimately create 2011 Yearbook. Some after school time may be necessary to complete assignments, which will include coverage of sports and evening events.

Course Name: PSYCHOLOGY**Grade: 9-12****Credits: 1 Elective**

Did you ever wonder what makes us tick? This course studies human beings and their behavior. We look at the forces which shape us and the attitudes and motivations which people us. We study stages of growth and development over time, and the positive and negative influences which affect us.

Course Name: WORLD WAR II**Grade: 9-12****Credits: .5 Elective**

If the Kellogg-Briand pack of 1928 declared war illegal, how could it be that World War II began? This course will show how the Nazism of Hitler, the Fascism of Mussolini and the militarism of Tojo grew to be the forces that would take the world to the brink of total destruction. Tactics, strategy and major battles will be examined. Special emphasis will be placed on the events leading to war, and the early days up to 1942. George S. Patton is used as a vehicle in making an in-depth study of America's role from 1942-45. Other concentrated areas of study include Midway, Stalingrad, Guadalcanal, Battle of the Bulge and Hiroshima.

Course Name: READING FOR SOCIAL STUDIES**Grade: 9-12****Credits: .5 Elective**

This course will use texts, documents, and other sources from world history, geography, and civics in order to develop the reading skills students need to be successful in Social Studies courses. Specific areas of study will be based on student interest. The class is designed and geared specifically for 9th Grade students who had difficulty in Middle School Social Studies classes as well as 10th grade students who had difficulty in Experiences in Social Studies.

Course Name: ADVANCED READING FOR SOCIAL STUDIES**Grade: 9-12****Credits: .5 Elective**

This course will use texts, documents, and other sources from world history, geography, and civics in order to develop the reading skills students need to be successful in Social Studies courses. Specific areas of study will be based on student interest. The class is designed and geared specifically for 9th Grade students who have passed Reading for Social Studies as well as upper classmen who would like to improve their social studies reading skills and learn a little social studies along the way.

Course Name: LAW & SOCIETY (not offered 2010-11)**Grade: 11-12****Credits: .5 Elective**

This course contains "THE ESSENTIAL" information young folks need to more fully participate in the electoral process. Students will understand the difference between the executive, judicial and legislative branches of government. The course will explore the local, state and federal government systems that exist in the United States. We will study "The United States Constitution" and the workings of the Supreme Court. Long-term class projects may include helping to get a local or state law passed—for instance, finding out how to have a stop sign or street light put in; how to have a speed limit changed on a particular street. There also may be an opportunity for a trip to the Maine State House in Augusta. Every effort will be made to have at least one guest speaker address the class.

Maine State Learning Results: Civics & Government A2, A4, B2, C5, C6

UPPERCLASSMEN ELECTIVES

Course Name: SCHOOL TO WORK PROGRAM

Grade Level: 11 & 12

Credit Value: up to 3 credits per semester, up to 6 credits per year

Prerequisite: Application, recommendations from 2 teachers, school administration, interview with School to Work Coordinator, meeting with parent, student, School To Work Coordinator, & School admin.

The School To Work Program affords students an opportunity in the classroom to explore and develop career goals. School To Work students develop workforce skills that aid in their job search, in obtaining a desired position and also aid in long term job retention. This program allows students to job shadow and/or work On-The-Job Training with full time employees in local businesses and industries. School To Work provides an opportunity to learn in *two* settings: in school and at work.

Maine Learning Results Indicators Addressed: A1, A2, B1, B2, B3, C1, C3, C4,C5, D1, D2, D3, D4

Course Name: NAVIGATING LIFE AFTER HIGH SCHOOL

Grade Level: 12

Credit Value: .50 Elective

Prerequisite: None – Required of all Seniors

This course is designed to be a complete life skills educational program for all seniors, whether they are pursuing further education, serving their country through military service or entering the job market.

Seniors will cover specific career and life topics, have guest speakers and meet in seminar/discussion groups. This class will open seniors' eyes to the world of work and all adult life issues, such as establishing credit, making sound financial decisions, weighing military service or going onto college, gaining occupational training, addressing social and health issues, volunteerism, traveling, living and working abroad, all of which will help give seniors the necessary self-confidence to face their future.

Maine Learning Results Indicators Addressed: A2, A3, B2, B3, C1, C5, D3, D4

VOCATIONAL EDUCATION

REGION 9

The Region 9 School of Applied Technology offers students from Dirigo High School, Telstar Regional High School, and Mountain Valley High School the opportunity to gain skills in several technical areas. A separate program of studies for the programs at Region 9 is available in the guidance office. Grade Level 9-12