

# **Trimble High School**

'11-'12 Course Offering Book

**Home of the**



**Tomcats**

## INTRODUCTION

This registration and course description booklet has been prepared to furnish you and your parents with information which will help you to plan and select the appropriate courses for grades 9 – 12. It is important that you read this entire booklet before you complete any registration forms. Many questions will be answered through the information offered here; however, additional information may be obtained through talking with the school counselor. **KEEP THIS BOOKLET AND DO NOT LOSE IT!!** You will need to have it with you in order to complete registration for the coming year.

## SCHEDULING PROCEDURES

1. Read all the information in this handbook completely.
2. Read the Course Descriptions which tell you about each course offered. Select a career path; then select the courses you plan to take for the remainder of your high school years.
3. With your signed scheduling booklet, meet with the guidance counselor to select courses on the registration sheet.
4. Students should realize that not all courses described in this booklet will be taught during the 2011-2012 school year. Adjustments to the final course offerings are often needed once final grades for the previous year have been determined.

## TRI-COUNTY CAREER CENTER

Students have the option of attending Tri-County Career Center throughout the junior and senior years. Students remain Trimble High School students but are simply attending the Career Center. All students have the opportunity to visit the Career Center in December of the sophomore year.

At Tri-County, students are involved in intensive training in a selected program. Upon graduation, students enter the skilled work force, continue their education if desired, or enlist in the military. All junior and senior academic courses required for graduation from Trimble High School are offered at Tri-County. The diploma comes from Trimble High School! To be accepted to Tri-County Career Center, students must have a total of 9 credits at the end of the sophomore year. These credits should include 2 English, 2 Math, 2 Science, 2 Social Studies, 1/2 Physical Education, and 1/2 Health. Students lacking academic credit will have make up work to complete which might involve summer school, after school, on-line course work, and/or correspondence course work.

College Tech Prep (CTP) is a program that offers three areas of study. Upon successful completion of a CTP program, students earn a full tuition scholarship to Hocking College. To be accepted in a program with CTP status, students must have a strong academic preparation and good grades, a total of 11 credits at the end of the sophomore year, and completion of a college-prep Algebra I course.

### Programs of Study

Auto Body Technology  
Auto Service Technology  
Building and Property Trades  
Carpentry  
Cosmetology  
Criminal Justice/ Law Enforcement  
Culinary Arts

Diesel/Ag Technology  
Early Childhood Education  
Electrical Trades  
Fashion and Marketing  
Hospitality Services  
Office Professional  
Power Line Technologies

### College Tech Prep

Architectural & Engineering Design\*\*  
Computer Tech Academy\*\*  
Health Tech Academy\*\*  
Teacher Academy (senior year only)

\*\*May also be enrolled with a NON CTP status

**GRADUATION REQUIREMENTS: Class of 2008 and beyond – 23 Credits**

The following are required courses for the state of Ohio and for graduation from Trimble High School.

English	4 credits	
Social Studies	3 credits	<i>(Including 1 credit in American History, ½ credit in American Government, and a ½ credit in Economics.)</i>
Mathematics	3 credits	
Science	3 credits	<i>(Including 1 credit of physical sciences and 1 credit of biological sciences)</i>
Health	½ credit	
Physical Ed.	½ credit	
Electives	6 credits	<i>(Including 1 unit or 2 half units in Business/Technology, Fine Arts, or Foreign Language)</i>

In addition to these credit requirements, students must pass all parts of the Ohio Graduation Test in order to receive a high school diploma. (Those who have not done so will be enrolled in a class that is directly related to the academic area(s) that the student still needs to pass.)

**GRADE ASSIGNMENT**

**Students will be assigned to their appropriate grade at the beginning of each school year based on the following:**

To be assigned to:	Grade 10 --	5 credits
	Grade 11 --	11 ½ credits
	Grade 12 --	16 ½ credits

Grade assignments will be made at the beginning of each school year and will be based on the credits earned at that time. Assignments will not be changed for any student at any other time during the school year.

**CURRICULUM GUIDELINES**

Twenty-three (23) credits are required for graduation but this is only a minimum. Students are encouraged to go beyond this number when possible. Students should attempt to balance their schedules over the four year period in order to allow themselves to perform at their maximum levels:

<b>College Preparatory</b>		<b>Pre-Vocational Tri-County (classes needed before attending Tri-Co.)</b>	
English	4 credits	English	2 credits
Science(2 labs)	3 credits	Science(2 labs)	2 credits
Social Studies	4 credits	Social Studies	2 credits
Foreign Language*	2 credits	Mathematics	2 credits
Mathematics**	3 credits	Health & Phys. Ed.	1 credit
Health & Phys. Ed.	1 credit		
Electives	6 credits		
*Students should review Honors Diploma information concerning foreign languages.		*Tech Prep programs require a total of 11 credits including Algebra I.	
**Including Algebra I, Geometry, and Algebra II.			

## **DIPLOMA WITH HONORS: Class of 2011 and Beyond**

The student who completes the **college preparatory** curriculum in high school must meet any seven of the following eight criteria:

1. four units of English
2. four units of mathematics that include Algebra I, Algebra II, and Geometry or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
3. four units of science including physics and chemistry
4. four units of social studies
5. three units of foreign language including at least two units in each language studied
6. one unit of fine arts
7. maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year
8. obtain a composite score of 27 on the ACT or an equivalent composite score of 1210 on the SAT with no regard for its new writing portion.

The student who completes an intensive **career-technical education** curriculum shall meet any seven of the following eight criteria:

1. four units of English
2. four units of mathematics that include Algebra I, Algebra II and Geometry and another higher level course or a four-year sequence of courses that contain equivalent content
3. four units of science including physics and chemistry
4. four units of social studies
5. four units of Career-Technical minimum-program must lead to an industry recognized credential, apprenticeship or be part of an articulated career pathway which can lead to post-secondary credit
6. maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year
7. obtain a composite score of 27 on the ACT or an equivalent composite score of 1210 on the SAT with no regard for its new writing portion.
8. achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent

## Advanced Placement (AP)

Advanced Placement classes allow the student to obtain high school and possibly college credit for courses taken by obtaining a certain score on the AP test. Students will only be allowed to take one course regardless of whether it is a semester or year-long class with a fee waiver from OhioLearns. Students applying for the fee waiver which covers the cost of course tuition must meet the following criteria: (1) Must be a public school student (2) Must be pre-registered for the AP Course by school personnel through the OhioLearns catalog (3) Must have completed any pre-requisites required for the AP course (4) Must be capable of handling the requirements of an online course, such as able to work independently including having access to a computer with internet. The fee waiver does not cover any fees associated with the class or the cost for taking the AP exam. Any student not qualifying for the fee waiver or wanting to take more than one class covered by the fee waiver will have to pay for the cost of course tuition. The following classes will be offered on-line during a class period within the student's daily schedule:

**AP Art History**

**AP Calculus AB**

**AP Calculus BC**

**AP English Language and Composition**

**AP European History**

**AP Government and Politics (Comparative)**

**AP Government and Politics (United States)**

**AP Psychology**

**AP Spanish Language**

**AP U.S. History**

## ART

### **Sculpture**

Grades 10-12

½ Credit

Students will use multiple mediums to create 3-D projects. This course will give the student an introduction to clay. In addition, students will create projects using hand-building and wheel-throwing techniques. Fee of \$20.00.

### **Photography**

Grades 10-12

½ Credit

This is an introductory course in shooting, developing and printing in black and white. Students will be working with digital software including Windows Movie Maker. Students are required to have digital and film cameras. Fee of \$20.00.

### **Drawing**

Grades 9-12

½ Credit

This drawing course is designed to show students a variety of drawing techniques using a variety of media-pencil, charcoal, pastels, India ink, colored pencils, etc. Fee of \$10.00.

### **Painting**

Grades 9 -12

½ Credit

Pre-requisite- Drawing

This course is designed to show students a variety of painting techniques using watercolors, oil paints and/or acrylic paints. Students need to purchase their own supplies.

**Studio Foundations I**

Grades 9-12

½ Credit

This is an introductory course designed to show students the variety of media in art as well as introduce them to art vocabulary and art history. (Collage, graphic design, painting, drawing, sculpture, and quilling) Fee of \$15.00.

**Studio Foundations II**

Grades 9-12

½ Credit

Pre-requisite-Studio Foundations I

This course builds on the knowledge and skills gained in Studio Foundations I. There is a more intense look into art history and advanced projects. Fee of \$15.00.

**ENGLISH****ACT/SAT English Preparation**

Grades 11-12

½ Credit

This class will focus on improving reading, comprehension, and writing skills needed to obtain high scores on the English sections of the ACT. Students that are planning on attending college should take this course to improve their scores.

**Contemporary Literature**

Grades 10-12

½ Credit

This course will focus on self-knowledge, the individual's place in the community and cultural awareness. Students will be expected to: write reflections on their readings, respond creatively to the texts, compare and contrast themes and other facets of literature, write essays discussing and analyzing prominent ideas, and complete a culminating project drawing two or more of the texts together.

**Creative Writing**

Grades 11-12

½ Credit

This course gives students the chance to create other forms of written work, which are creative in nature. Areas of study may include short stories, playwriting, poetry, and a children's book.

**English 9**

Required Course Grade 9

1 Credit

Students will read, analyze, and draw inferences from short stories, novels, drama, poetry, and essays. Students will work on formal writing, primarily through the writing of essays. The main foci of the class will be on acquisition of vocabulary, applying new concepts and lenses to literature, and using proper writing conventions. This course will also introduce correct formatting and structure of a research paper.

**English 9 Honors**

Grade 9

1 Credit

(Teacher recommendation required)

This English 9 is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. There may also be various projects or research involved in the course. This course will meet the needs of and challenge the highest achieving students in this grade level. Students will read, analyze, and draw sophisticated inferences from short stories, novels, drama, poetry, and essays. Students will also be writing various types of formal essays and a research project. This course will also introduce correct formatting and structure of a research paper. A greater amount of preparation and homework can be expected if taking this class.

**English 10**

Required Course Grade 10

1 Credit

Students will read, analyze, and draw inferences from short stories, novels, drama, poetry, and essays. Students will also be writing various types of formal essays. Students will also be responsible for a mini-research project. A major focus is for students to pass the OGT.

**English 10 Honors**

Grade 10

1 Credit

(Teacher recommendation required)

This English 10 is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. There may also be various projects or research involved in the course. This course will meet the needs of and challenge the highest achieving students in this grade level. Students will read, analyze, and draw sophisticated inferences from short stories, novels, drama, poetry, and essays. Students will also be writing various types of formal essays. Students will also be responsible for a mini-research project. A major focus is for students to pass the OGT. A greater amount of preparation and homework can be expected if taking this class.

**English 11**

Required Course Grade 11

1 Credit

This course will cover American literature and American authors beginning with early colonial literature and culminating with modern essays and plays. The emphasis of this course is directed toward the attainment of writing proficiency and the improvement of reading comprehension skills. Activities will be designed to improve these areas. Appropriate grammar, spelling and punctuation will be stressed in all assignments. Vocabulary lists and/or spelling lists will be used weekly.

**English 11 Honors**

Grade 11

1 Credit

(Teacher recommendation required)

This English 11 is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. There may also be various projects or research involved in the course. This course will meet the needs of and challenge the highest achieving students in this grade level. Students will read, analyze and draw sophisticated inferences from short stories, novels, drama, and essays from American literature. This course will challenge high achievers to expand and refine their knowledge of American literature and to develop a high level of vocabulary skills. ACT test preparation will be stressed in this class. A greater amount of preparation and homework can be expected if taking this class.

**English 12**

Required Course Grade 12

1 Credit

This course will cover world literature and world authors. Readings will be taken from a variety of cultures and countries. The emphases in this course are effective written communication, basic technological literacy and developing skills to be a life long learner. Creating a usable resume will be stressed in this course. Appropriate grammar, spelling and punctuation will be stressed in all assignments. Vocabulary lists and or spelling lists will be used weekly.

**English 12 Honors**

Grade 12

1 Credit

(Teacher recommendation required)

This English 12 is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. There may also be various projects or research involved in the course. This course will meet the needs of and challenge the highest achieving students in this grade level. Students will read, analyze and draw sophisticated inferences from short stories, novels, drama and essays from world literature. A focus on the literature and writing assignments expected of entering college freshmen will be an important part of this course. Creating a resume and a post secondary plan will also be stressed. A greater amount of preparation and homework can be expected if taking this course.

**Great Books**

Grades 11-12

½ Credit

This course is designed for students who have strong comprehension skills and enjoy reading. Students will analyze the great books in literature.

**Mysteries & Suspense**

Grades 9-12

½ Credit

This course will focus on the integral elements of mystery novels: suspense, conflict, foreshadowing, motive, and dramatic tension. Students will learn the art of crafting a mystery through a critical analysis of texts by Arthur Conan Doyle and Agatha Christie. Students will be evaluated via pop quizzes and weekly tests over literary terms and assigned readings.

**Poetry and Drama**

Grades 11-12

½ Credit

During the first nine weeks, students will analyze and discuss a variety of poetry from many different time periods. During the second nine weeks, students will read at least two classic plays and discuss them.

**Publications**

Grades 11-12

½ Credit

Strong writing skills and intrinsic motivation are necessary. In this class, students will learn the basics of news writing and interviewing. The class may help with the yearbook, write articles for submission to the *Messenger* on the school's behalf, or create their own newspaper for the school. Students will be required to sell advertising to help cover the costs of the yearbook.

**Speech**

Grades 11-12

½ Credit

Strong speaking and writing skills are recommended and intrinsic motivation is necessary. After learning about the communication process, students will research and prepare at least six speeches for this class as well as debate. Possible types of speeches to be given include, but are not limited to, impromptu, demonstrative, informative, persuasive, entertainment, and inspirational. It is strongly recommended that college bound students take this class during their high school career.

**FOREIGN LANGUAGE****Spanish I**

Grades 9-11

1 Credit

Pre-requisite of at least a C+ average in English

Spanish I is a beginning level Spanish course for students who have not taken any Spanish at all. This first semester of Spanish introduces students to the spoken language, basic writing, and cultural information. They will learn to greet people, describe themselves and talk about their school, classes and schedules. Students will be expected to study and learn the vocabulary and communication strategies which are presented in class. Students may need to purchase a workbook.

During the second semester, students will expand their knowledge of the Spanish language and will continue to work on writing, reading, listening and speaking skills. They will learn to communicate about their likes and dislikes, their town, leisure activities, and their families. Cultural information and connections with the Spanish speaking countries are components of the class. Students are expected to be conscientious learners and to reinforce their classroom learning outside of class.

**Spanish II**

Grades 10-12

1 Credit

Pre-requisite of teacher permission and at least a B- in Spanish I

This course continues to build upon skills learned in the first year. Further vocabulary, grammatical structures, as well as communication skills in reading, writing, speaking and listening are emphasized. Cultural and historical information and connections with the Spanish speaking world continue to be an important part of the course. Expectations for student learning are that the students will be more self-disciplined and will have developed strategies for language study and learning. Students may need to purchase a workbook.

**Spanish III**

Grades 11-12

1 Credit

Pre-requisite of teacher permission and at least a B in Spanish II

Students will learn more advanced vocabulary, grammar, listening, reading, writing and speaking skills. Students will communicate about their world and the Spanish speaking world in more complex ways. Connections between the student's world and that of the Spanish speakers as well as cultural and historical information are components of the class. Students are expected to have developed their language learning strategies to make efficient use of their time for study. Students may need to purchase a workbook.

**Spanish IV** Grade 12 1 Credit  
Pre-requisite of teacher permission and at least a B+ in Spanish III

Spanish IV is the last language offered at THS. In this class, we continue to work on listening, pronunciation, reading and writing skills. Emphasis is placed on reading authentic texts. Grammar and verb forms not covered in previous years are studied and practiced. Students may need to purchase a workbook.

## INDUSTRIAL TECHNOLOGIES

**Advanced Woodworking** Grades 11-12 ½ Credit

Students are expected to design and construct projects with expectations of more intricate design, size and joinery. Advanced routing and finishing techniques are discussed and demonstrated. Fee of \$30.00.

**Construction I** Grades 10-12 ½ Credit

Students are introduced to blueprint reading and residential construction. Students will design and build a model home meeting framing and building code requirements. In addition, students will also be working with Computer Assisted Design (CAD) Fee of \$25.00.

**Construction II** Grades 11-12 ½ Credit

The emphasis of this class is on practical woodworking applications. (Picnic tables, small storage sheds, and lawn furniture) Students are also expected to repair and refinish furniture of choice. Fee of \$30.00.

**Energy and Power** Grades 9-10 ½ Credit  
Pre-requisite-Woodworking I

Students will design and construct projects demonstrating kinetic and potential energy. After discussing the six forms of energy, students will compare and contrast conventional versus alternative energy sources and build projects of both types. Fee of \$25.00.

**Manufacturing** Grades 11-12 ½ Credit

Students are introduced to manufacturing processes, material and efficiency. Students will be expected to describe processes and procedures to take raw materials to industrial products or consumer goods. Fee of \$35.00.

**Small Engines** Grades 10-12 ½ Credit

Students are introduced to small engine theory and operation. Emphasis is on troubleshooting, maintenance and repair. Basic automotive repairs and maintenance are also discussed. Fee of \$10.00.

**Woodworking I** Grade 9-12 ½ Credit

Students will be introduced to drafting and design with an emphasis on multi-view, isometrics, and reading dimensions. Students will learn to use hand tools, hand power tools, and machines necessary to produce woodworking products. Fee of \$25.00.

## MATHEMATICS

**ACT/SAT Math Preparation** Grades 11-12 ½ Credit

This class will focus on improving skills needed to obtain high scores on the Math section of the ACT. Students that are planning on attending college should take this course to improve their scores.

**Algebra I** Grade 9-12 1 Credit

Algebra I is a one year course which will introduce the student to the basics of algebra. Topics will include simplifying and evaluating algebraic expressions, writing and solving equations and inequalities, using exponents, absolute value and square roots, probability, and an introduction to linear and quadratic functions. The prerequisite for this course is that students satisfactorily complete the middle school math sequence. Students desiring to enroll in a tech prep program at Tri-County Vocational School, or college/university after graduation are encouraged to take this course. Students who desire to take Pre-Calculus or Calculus as juniors or seniors must take this course.

**Algebra II** Grades 10-12 1 Credit  
Pre-requisite-Algebra I

Algebra II is a one year course which continues the sequence of algebra study. Students will continue the study of equations and inequalities. Other topics of study will include matrices, sequences and series, linear and non-linear functions, probability, and advanced simplification and evaluation of algebraic expressions. Students desiring to take Pre-Calculus or Calculus must take this course. Students planning to attend a college or university after graduation are strongly encouraged to take this course. The prerequisite for this course is satisfactory completion of Algebra I or satisfactory completion of Integrated Math I, II, and III.

**Algebra II Honors** Grades 10-12 1 Credit  
Pre-requisite-Algebra I  
(Teacher Recommendation Required)

This Algebra II is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. This course also continues the sequence of algebra study. Students will continue the study of equations and inequalities. Other topics of study will include matrices, sequences and series, linear and non-linear functions, introductory trigonometry, probability, binomial expansion, and advanced simplification and evaluation of algebraic expressions. Students desiring to take Pre-Calculus or Calculus must take this course. The prerequisite for this course is satisfactory completion of Algebra I or satisfactory completion of Integrated Math I, II, and III.

**Calculus** Grade 12 1 Credit  
Pre-requisite-Pre-Calculus

Calculus is a one year course for seniors which will introduce students to calculus concepts. Topics of study will include: functions, limits, derivatives, and integrals. This is a college level course. At the end of the course students may elect to take the Advanced Placement Test given by the College Board. College/University credit may be earned by attaining prerequisite scores on the Advanced Placement Test. \*\*\* Students planning to study science, medicine, or mathematics after graduation are encouraged to take this course.  
\*\*\*Contact individual colleges or universities for Advanced Placement credit information.

**Geometry** Grades 9-12 1 Credit  
Pre-requisite- Algebra I or Integrated Math II, or III

Geometry is a one year course that introduces students to the fundamental concepts of geometry. Students will learn problem solving strategies, logical reasoning skills, and modeling methods. A scientific calculator is required.(TI-30xII preferred)

**Geometry Honors** Grades 9-12 1 Credit  
Pre-requisite- Algebra I or Integrated Math II, or III  
(Teacher Recommendation Required)

This Geometry is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. Geometry is a one year course that introduces students to the fundamental concepts of geometry. Students will learn problem solving strategies, logical reasoning skills, proofs, coordinates and modeling methods. A scientific calculator is required.(TI-30xII preferred)

**Integrated Math I** Grades 9 – 11 1 Credit

Integrated Math I will focus on the ninth grade math indicators set forth by the Ohio Department of Education. Topics such as number sense and operations, measurement, geometry and spatial sense, data analysis and probability, and patterns, functions and algebra will be included.

**Integrated Math II** Grades 10 – 12 1 Credit  
Pre-requisite- Integrated Math I

Integrated Math II will cover the tenth grade state standards which involve a more in-depth study of the topics begun in Math I. Upon completion of this class, students will have been instructed in all areas of Algebra I and will meet that requirement to enter any of Tri-County Career Center's Tech Prep programs.

**Integrated Math III** Grades 11 – 12 1 Credit  
Pre-requisite- Integrated Math I & II

Integrated Math III will continue the development of concepts introduced in Integrated Math I and II. Upon completion of this class, students could progress to Algebra I or II for a fourth year of high school math.

**Pre-Calculus** Grades 11-12 1 Credit  
Pre-requisite- Algebra II

Pre-Calculus is a one year course for juniors or seniors that prepares students to take Calculus at the high school or college level. Topics of study include advanced trigonometry, trigonometric functions, advanced study of linear and non-linear functions and their inverses, study of conic sections, advanced study of probability. The prerequisite of this course is satisfactory completion of Algebra I, Algebra II, and Geometry. Students desiring to attend college or university after graduation are strongly encouraged to take this course.

## MUSIC

**Instrumental Music** Grades 9-12 1 Credit

Instrumental music provides students with many opportunities to perform and to be a part of a school activity. During the first nine weeks, the focus is on marching band (including summer preparation). The marching band performs at all football games, festivals, and parades. The second nine weeks will be dedicated to developing a program for the holidays. The holiday concert is the final exam for the first semester. During the third nine weeks, students will continue to work on developing their skills as musicians. The fourth nine weeks is dedicated to a spring concert and graduation. These events comprise the final exam grade for the second semester.

## OGT PREPARATION

**OGT English** Grades 10-12 ½ Credit  
This course is designed to help students prepare for passing the OGT English test.

**OGT Mathematics** Grades 10-12 ½ Credit  
This course is designed to help students prepare for passing the OGT Mathematics test.

**OGT Science** Grades 10-12 ½ Credit  
This course is designed to help students prepare for passing the OGT Science test.

**OGT Social Studies** Grades 10-12 ½ Credit  
This course is designed to help students prepare for passing the OGT Social Studies test.

## PHYSICAL EDUCATION

**Advanced Physical Education** Grades 11-12 ¼ Credit

Advanced Physical Education is an elective class designed to give juniors and seniors the opportunity to pursue lifetime leisure skills needed to promote a healthy lifestyle. The course will focus on team sports and individualized fitness goals set by each student.

**Health**

Required Course Grade 9 or 10

½ Credit

Health is a required class designed to give students the opportunity to learn, research, and perform projects that pertain to everyday health issues that surround them.

**Students will be learning about the following topics:**

- Infectious and chronic diseases
- Research family medical history
- Stress
- Anatomy and physiology
- Physical Fitness
- Drugs, alcohol, and tobacco
- First Aid and CPR
- Abstinence
- Sexually transmitted diseases (STD's)

**Physical Education**

Required Course Grades 9-10

¼ Credit

Physical Education is a required class designed to give freshman and sophomore students the opportunity to develop skills needed to pursue lifetime leisure activities. Students will participate in various physical activities such as Volleyball, Basketball, Badminton, Aerobics, etc. Students are required to earn ½ credit towards graduation.

**Students will be expected to:**

- Change and participate everyday.
- Develop skill acquisition through skill testing
- See overall fitness improvement
- Develop individual fitness goals
- Chart cardio-vascular improvement over the course of the semester

**Weightlifting**

Grades 11-12

¼ Credit

This class is for students that want a more in depth approach to improving and maintaining a healthy lifestyle. Students will improve their strength, cardiovascular and physical endurance.

**SCIENCE****Science 9**

Required Course for Grade 9

1 Credit

This course is a general science course that builds on science experiences from the middle school. Advanced concepts are introduced for future reference in upper level classes. Subject matter covered includes: chemistry, physics, earth & space science. Fee of \$5.00.

**Science 9 Honors**

Required Course for Grade 9

1 Credit

(Teacher recommendation required)

This Science 9 is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. There may also be various projects or research involved in the course. This is a more advanced general science course that builds on science experiences from the middle school. Advanced concepts are introduced for future reference in upper level classes. Subject matter covered includes: chemistry, physics, earth & space science. Fee of \$5.00.

**Biology**

Required Course Grade 10

1 Credit

This course is a basic but intense course in life science--the study of living things. Focus will be on grade ten OGT indicators. A review of basic chemistry from Science 9 leads to a deeper understanding of biochemistry and the cell. An introduction to genetics and evolution are interspersed with laboratory activities and select chapters on plants and animals. Fee of \$5.00.

**Biology Honors**

Required Course Grade 10

1 Credit

(Teacher recommendation required)

This Biology is a more advanced course taken in preparation for college after graduation and will move at a much faster pace. There may also be various projects or research involved in the course. This course an intense course in life science--the study of living things. Focus will be on grade ten OGT indicators. A review of basic chemistry from science 9 leads to a deeper understanding of biochemistry and the cell. An introduction to genetics and evolution are interspersed with laboratory activities and select chapters on plants and animals. There may also be discussions or projects related to current issues affecting biology today. Fee of \$5.00.

**Advanced Biology**

Grades 11-12

1 Credit

This course is designed to build upon the major concepts introduced and mastered in Biology I and is a college prep course. Particular emphasis is placed upon cell theory, metabolic processes, human and population genetics, sexual and asexual reproduction, and protein synthesis.

A large component is a unit on the human skeletal system and the muscles and organs of the fetal pig. This unit is intensive and lasts approximately fourteen weeks. There are shorter units that delve into areas such as microbiology and virology. Every opportunity is taken to have laboratory experiences that complement the lectures.

Two to three times a year guest speakers are invited to the class to speak about such topics as massage therapy, breast and testicular self examinations, or organ donation. Relating class work to possible careers is used as a motivation tool. Fee of \$15.00.

**Chemistry**

Grades 11-12

1 Credit

Pre-requisite-Algebra II

Chemistry is a science course that deals with the composition, structure, and properties of substances and with the transformations that they undergo. This course requires math skills through Algebra I. Problem solving and critical thinking are stressed. Laboratory experiments are performed to reinforce textbook principles. This course is intellectually challenging, moves at a rapid pace and requires daily homework. This is a college preparatory course and should be taken by those students who plan to enter a four year college. Fee of \$10.00.

**Crime Scene Forensics**

Grades 10-12

½ Credit

The science behind crime scene investigation will be examined in this course. Students will be participating in analyzing such things as footprints, thumbprints, lip prints, soil, fibers, and tool marks. This will be done by analyzing various photographs and popular forensic TV shows.

**Environmental Science**

Grades 11-12

1 Credit

This course, while not a college prep course, is perhaps the course of broadest scope in the entire school. Environmental Science builds on all previous science concepts and seeks to integrate them with the entire curriculum. An Environmental Scientist must be aware of the whole **History** of man, (socially, politically and geographically), **Current Events**, **Mathematical** concepts in populations and natural resources and their **Conservation**, **Psychology**, and **Sociology**, the relationship of the **Arts** to man's needs and wants in the areas of **Health**, Housing (**Construction**) and Employment.

A huge portion of the text focuses on energy--its cycles, sources, renewability, use and alternatives. Another key focus is on resource management--not just of our energy resources but of our land, water, and air. The final key area looks to the future and at the idea of a sustainable ecosystem in a world of growing population and diminishing resources. Many open ended projects complement the lectures and discussions.

**Field and Stream**

Grades 9-12

½ Credit

This course will look at the relationships of local plants and animals to their environments. Local water ways will also be looked at and their effects on the local ecosystem. Students may work closely with local watershed groups to analyze water, soil, plants and animals.

**Physics**

Grades 11-12

1 Credit

Pre-requisite- Algebra II

Physics is a science course dealing with matter and energy and their interactions, in the fields of mechanics, acoustics, optics, heat, electricity, magnetism, radiation, atomic structure, and nuclear phenomena. This course requires the use of mathematical skills in algebra and trigonometry. It will appeal to those students who enjoy problem solving. It is probably the most challenging course in high school and college. It should be taken by all college preparatory students who plan to major in a science field such as engineering or medicine. The course moves at a rapid pace and requires daily homework. THE PREREQUISITE IS ALGEBRA II, HOWEVER, A STUDENT MAY TAKE THESE COURSES CONCURRENTLY.

**Sustainable Design**

Grades 9-12

½ Credit

This course looks at the different aspects of sustainable energy efficient building design as well as living sustainably. Students will be researching a variety of ways to build energy efficient homes that have the smallest ecological footprint. Each student will design a home and select its building site using Google Earth and Google Sketch-up. Students will be using Microsoft Office applications throughout the course.

**SOCIAL STUDIES****American Government**

Required Course Grade 11

½ Credit

American Government is an introductory class that surveys the major forms of government found in the world today. This class also focuses on the origin of government and the American struggle to create a new government, the constitution, and the amendments. The class draws from debates and classroom discussions to form opinions about our democracy.

**American Government Honors**

Required Course Grade 11

½ Credit

(Teacher recommendation Required)

This American Government is a more advanced course taken in preparation for college after graduation and will move at a much faster pace while studying government in depth. There may also be various projects or research involved in the course. American Government is an introductory class that surveys the major forms of government found in the world today. This class also focuses on the origin of government and the American struggle to create a new government, the constitution, and the amendments. The class draws from debates and classroom discussions to form opinions about our democracy.

**American History**

Required Course Grade 10

1 Credit

Students will study the history of the United States. Students will continue the chronological study of the United States with the emphasis on domestic affairs. This study incorporates each of the seven state standards- History, People in Societies, Geography, Economics, Government, Citizenship Rights and Responsibilities, and Social Studies Skills and Methods. As students study historic eras, they consider the geographical, cultural, economic, and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens.

**American History Honors**

Required Course Grade 10

1 Credit

(Teacher recommendation Required)

This American History is a more advanced course taken in preparation for college after graduation and will move at a much faster pace while studying the history of the United States in depth. There may also be various projects or research involved in the course. Students will study the history of the United States. Students will continue the chronological study of the United States with the emphasis on domestic affairs. This study incorporates each of the seven state standards- History, People in Societies, Geography, Economics, Government, Citizenship Rights and Responsibilities, and Social Studies Skills and Methods. As students study historic eras, they consider the geographical, cultural, economic, and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens.

**Current Events**

Grades 11-12

½ Credit

This course will include current events and issues interwoven within economics and developing the geographic and historic context necessary to understand current world events. Topics will vary, depending upon the news at the time. Using a variety of news media, the class will explore the issues of the time. Virtually any topic is fair game including music, sports, entertainment, social issues and politics.

**Economics**

Required Course Grade 11

½ Credit

Points that are the focus are:

1. Promoting the value of cultural diversity
2. Teaching people to think critically
3. Relating the importance of global independence
4. Understanding the importance of the federal reserve
5. Introducing the students to the stock market
6. Understanding the relations between scarcity of resources and their value
7. Understanding unemployment

**Economics Honors**

Required Course Grade 11

½ Credit

(Teacher recommendation Required)

This Economics class is a more advanced course taken in preparation for college after graduation and will move at a much faster pace while studying economics in depth. There may also be various projects or research involved in the course.

Points that are the focus are:

1. Promoting the value of cultural diversity
2. Teaching people to think critically
3. Relating the importance of global independence
4. Understanding the importance of the federal reserve
5. Introducing the students to the stock market
6. Understanding the relations between scarcity of resources and their value
7. Understanding unemployment

**Geography**

Grades 9-12

½ Credit

The class starts at the local level then graduates to the state, national, and international levels, focusing on people and their lifestyles. Students will learn about the five themes of geography which include location, place, human interaction and the environment, movement, and regions.

**History through Film**

Grades 9-12

½ Credit

Students will look at the progression of history through the eyes of film. Movies depicting specific historical events in world and American history will be shown. Students will gain a better understanding of the causes and effects of history and change through analysis and discussion of the films viewed in class. (Some R rated movies will be shown)

**History of Rock and Roll**

Grades 11-12

½ Credit

History of Rock and Roll is a class designed to familiarize students with different areas of rock and roll music. Students will learn the roots of rock and roll music and how it has developed into the music we listen to today. The economic, social, and political factors influencing rock music will also be examined. Students will listen to a variety of rock music from different eras throughout the course.

**Law**

Grades 11-12

½ Credit

This class is an introduction to practical law. It helps students to prepare to recognize and understand how the law works in their communities and throughout the country. This class helps students understand the legal system of the United States. Several types of law discussed include tort law, family law, civil law, and criminal law.

**Model United Nations (Model UN)**

Grades 9-12

½ Credit

This class will examine the history and development of the United Nations including policies, decisions, and representatives. Focus will be placed on preparation for participation in statewide Model UN Program(s). Students will research and develop resolutions for various countries that will be presented, by the students, wearing costuming representative of their nation, at the Model UN Program(s). This may include participation in activities that showcase the talents of the nation they are representing. Participation in these programs will include a fee, as well as costs for costumes, and students will be expected to raise funds to cover participation costs or pay to participate. The expected fee(s) will likely be more than \$300.00, dependent upon participation activities as well as cost for native costuming.

**Psychology**

Grades 11-12

½ Credit

Psychology is a college preparatory class offered to juniors and seniors. The class is an introduction to Psychology 101, which nearly all college freshmen are required to take. Here, we discuss psychologists such as Drs. Freud, Skinner, Erikson, Binet, and Kubler-Ross just to name a few. Students are introduced to the study of human behavior. Students will learn about abnormal behaviors, their possible causes, and available treatments. Students will also learn about areas of specialization within psychology, including clinical, social, personality, animal, criminal, and developmental psychologies.

**Sociology**

Grades 11-12

½ Credit

Sociology is a college preparatory class offered to juniors and seniors. The class is an introductory course which looks at the history of sociology as well as the schools of thought, methods, experimentation, and interpretation. In this class, we will look at many of the social concerns surrounding the American family, adolescence, the world of work, deviance and social control, race relations, health care, education, religion, advancements in science and the role of sports. Students will be expected to participate in debates.

**Sports History**

Grades 10-12

½ Credit

Sports History starts at the 1607 landing of the Pilgrims and chronologically travels to the present. This class looks at sports and how they started & evolved. A look at the public view towards sports and how it has changed is also addressed. Various sports films will be shown.

**Women's Studies**

Grades 11-12

½ Credit

This course will explore and examine the history, position, and roles of women as well as the attitudes concerning women past, present, and future. It will explore the diverse ways in which women have lived, worked, and contributed to the history of the world. While looking at some of the "great women" in history, the course will focus more on the general experiences of women and their political, social, and cultural relationships.

**World Studies 9**

Required for Grade 9

1 Credit

Ninth-grade social studies covers the chronological study of world history from 1750 to the present—Age of Revolutions through the 20<sup>th</sup> Century. This study incorporates each of the seven standards—History, People in Societies, Geography, Economics, Government, Citizenship Rights and Responsibilities and Social Studies Skills and Methods. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.

**World Studies 9 Honors**

Required for Grade 9

1 Credit

(Teacher Recommendation Required)

This World Studies 9 is a more advanced course taken in preparation for college after graduation and will move at a much faster pace while studying world issues in depth. There may also be various projects or research involved in the course. Ninth-grade social studies covers the chronological study of world history from 1750 to the present—Age of Revolutions through the 20<sup>th</sup> Century. This study incorporates each of the seven standards mentioned in World Studies 9. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.