

Oakbrook Preparatory School
Important Dates, 2010-2011

August 11	New Teacher Orientation (W)
August 12	Orientation for Teachers/Staff (Th)
August 13	Orientation for Teachers/Staff (F)
August 16	Orientation for Students (M) Drop In Grades K4-5 th grade; 9:00-11:00am Drop In Grades 6-12; 1:00-3:00pm
August 17	First Full Day of School (Tu)
August 31	School Pictures (Tu)
September 6	Labor Day Holiday (M)
September 9	Parents' Club/Open House, 7:00 pm for Primary School (K4-2 nd grade)
September 17	Open House 6:00pm-7:00pm Grades 3-12 Family Social 7:00pm-9:00pm Grades K4-12
October 18	End of Term 1 (M)
October 21	Student Half Day, Staff Dev. Day
October 22	Student Holiday, Parent Conferences (F)
November 24-26	Thanksgiving Holiday (W-F)
December 14, 15, 16	Exams, Grades 8-12 (Tu-W-Th)
December 17	Exams, Grades 8-12, Student Half Day
December 20- January 3	Christmas Holidays
January 3	Teacher Workday (M)
January 4	Students Return to School (Tu)
January 10	End of Term 2 (M)
January 17	Holiday for Dr. Martin Luther King, Jr. (M)
February 11	Father/Child Variety Show and Luncheon, grades 1-5
February 21	President's Day-Student Holiday, Staff Dev. Day, possible snow make-up day
February 28- March 11	Standardized Testing, grades 3-8
March 16	End of Term 3 (W)
March 18	Student Half Day, Staff Dev. Day
March 21-25	Spring Intensive Week Grades 6-12
March 28- April 1	Spring Break
April 15	International Festival
April 22	Good Friday Holiday
May 6	Mother's Day Program, grades 1-5 (F)
May 17,18,19	Senior Exams (Tu-W-Th)
May 20	Honors Day, Grades 6-12
May 21	Graduation (Sat)
May 24	Exams Grades 8-11 Tu
May 25,26	Exams Grades 8-11 W,Th (Half Day)
May 25	K4-K5 Recognition
May 26	End of Term 4, Last Day of School, grades 1-11 Recognition Services, grades 1-2, 3-5
May 27	Staff Workday

**Half-day
Dismissal Times**

K4-K5 – 11:20 am
Grades 1-2 – 11:30 am
Grades 3-5 – 11:45 am
Grades 6-12 – 12:00 pm

Oakbrook Preparatory School

Course Directory



2010-2011

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* Phone: 864-587-2060 * Fax: 864-587-2092 *
* www.oakbrookprep.org *

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NOTE: Though a course may be listed in the catalog, credit requirements, student interest, and instructor availability determine whether or not a course will be scheduled in a given academic year.

SAT Prep **Grades 10-11** **0.5 Unit**

Prerequisite: Completion of or enrollment in Algebra II

This class is designed to enhance students' scores on the SAT (College entrance exam). The class time is evenly distributed between mathematical techniques and vocabulary/essay techniques. Students are exposed to extensive vocabulary words. A "within context approach" is used to expose students to a large number of new words for reading recognition. Essay writing skills are also developed. Test taking strategies are emphasized in the math section as well as problem solving abilities, critical thinking and reasoning skills, and review of previously learned math concepts and skills.

Street Law **Grades 10-12** **0.5 Unit**

The course is an introduction to criminal justice. It acquaints students with law issues that are practical and /or relevant in everyday life. It provides an understanding of rights and responsibilities as well as knowledge of everyday legal problems. It looks at social and cultural influences on criminal behavior and familiarizes students with roles of law enforcement agencies, courts, corrections, and juvenile justice systems.

Yearbook **Grades 9-12** **1 Unit**

Application and recommendation required

High School students in this course memorialize each school year by creating the school's yearbook. Students are asked to apply for this course in advance. Each student is responsible for layout design, writing copy and photography. The staff is lead by the Editor and the Adviser. Students in this course are also exposed to business experience by selling ads in the community. Each year the staff attends a two-day workshop led by our yearbook printing company.

Oakbrook Preparatory School does not discriminate on the basis of race, gender, age, national or ethnic origin, or religion.

Foundations in Sport & Exercise Psychology

Grades 10-12

0.5 Unit

This course provides the basic knowledge of Sport and Exercise Psychology by studying one's personality and the personality factors of others, and ways to improve one's ability to perform in a sport or exercise setting. This course will also lay a foundation for learning how to better lead others within, or outside of, the sport and exercise setting.

History of Modern Music

Grades 10-12

0.5 Unit

History of Modern Music focuses on American Popular Music genres (i.e. rock, country, R&B, pop) and the people, places and influences that defined them. The course begins by exploring such important Americana art forms as Blues, Country & Gospel (black gospel) which are the foundations of popular music as we know it. There would also be a need to teach about jazz once we get to more experimental forms of popular music. The course will look at experimental forms of popular music such as jazz and musical style, lyrical content and the primary instruments used to create these genres. This is designed to be a fun, generalized modern music history course with emphasis on rock and roll.

Introduction to Athletic Training

Grade 10-12

0.5 Unit

This course provides a general overview of common injuries that occur during any sport or exercise situation. A basic knowledge of prevention, diagnosis, and treatment of injuries and common pains, methods of taping ankles, and massage techniques for muscle soreness and bruises are explored. An introduction to weight training and nutrition are also studied.

Introduction to Psychology

Grades 11-12

1 Unit

This survey course provides a broad overview of the major topics and themes within the science of behavior, perception, states of consciousness, learning, memory, cognition, intelligence, motivation, emotion, child development, adolescence and adulthood, personality, stress and health psychology, psychological disorders, treatment, social psychology, and applied psychology.

Public Speaking

Grades 10-12

0.5 Unit

Students will develop their skill of speaking to a group of people in a structured, deliberate manner intended to inform, influence, or entertain the listeners. Over the course of the semester students will create speeches and present for the class. Students will also analyze famous speeches to discover the elements of successful speeches.

Attendance

Class attendance is absolutely requisite. If, for any reason, there are more than eight absences in any class in any one semester, credit for the course will be subject to review by the Director. A loss of academic credit can occur if a student's total absences from class approach a level which is felt by the school to compromise her or his learning and the integrity of the course.

Students who fail a course required for graduation must repeat and pass the course in order to graduate.

Minimum Course Load

All students in grades 9-11 are required to have a full class load. Seniors are required to have a minimum of four classes. In special circumstances, students may be given a period for independent study.

Levels of Courses

CP: These courses are designed to fulfill the requirements to earn a high school diploma. They earn weighted grade points as designated on the South Carolina Uniform Grading Scale.

HONORS: These courses are designed to be academically challenging and preparation for advanced placement courses.

AP (*Advanced Placement*): These courses are designed to be academically challenging and are taught on the college level. AP courses follow the curriculum provided by the College Board. College Board National AP Exams are in May of each year. Students should contact specific colleges to learn of their specific policy concerning awarding advanced placement credit.

Retaking the Same Course

Students may only retake the same course under the following conditions:

1. If the student earned a grade lower than a C in the course. The course must be retaken within the following academic year. In this case, the grades earned in both classes will be computed in the student's GPA.

- A student make retake any course that was taken prior to the ninth grade year. The course should be retaken within the following year. In this case, only the grade earned in the second course will be counted, regardless of which grade was the highest.

SAT/ACT

Students in upper grades will be offered specific instruction in preparation for the SAT (Scholastic Aptitude Test) and ACT (America College Testing). Students should plan to take one or both of these tests by the conclusion of their junior year. The PSAT is administered each fall. Juniors are required and sophomores and strongly encouraged to take the test. Selected ninth graders may also be encouraged to take the test. Our College Guidance faculty will assist students with scholarship and college admission forms.

For more information regarding the SAT and ACT, visit their respective websites:

SAT— www.collegeboard.com

ACT— www.act.org

Graduation Requirements

Courses	Units
English/Language Arts	4
Mathematics	4
Science	4 *
US History & Constitution	1
Economics	1
US Government	0.5
Other Social Studies	1
Physical Education	1
World Language	2**
Computer Science	1***
Christian Education	1
Senior Project	1
Other Electives	5 ****
	26.5 total
	(25.5 prior to Class of 2013)

told in the Acts of the Apostles, with an emphasis on Christian community.

Christian Education Grades 9-12 0.5 Unit

A Christian Look at World Religions

Prerequisite: Survey of the New Testament

Using the textbooks from Christian International Studies' Which Way to God and James Sire's The Universe Next Door – A Basic Worldview Catalog, this course covers an understanding about the truth about Christianity, truth about other religions and spirituality, and what Christianity says about other religions.

Christian Education Grades 9-12 0.5 Unit

Apologetics

Prerequisite: Survey of the New Testament

Students will learn how to have an answer for their Faith. We will be looking at frequently asked questions/ doubts of Christianity. We will read research of apologetics. We will also be reading Case for Christ by Lee Strobel.

Senior Project Grade 12 1 Unit

The senior project gives graduating seniors the opportunity to develop the skills and knowledge necessary to succeed in the 21st century. Implemented in high school nationwide, the project makes learning meaningful by creating educational environments outside the traditional classroom. Students prepare a proposal, make community contacts, research new career fields or interests, learn about current technology, implement a project, or give an oral and written presentation to a board of teachers and professionals in the specific subject area presented by the project.

OTHER ELECTIVES

Convergence Journalism Grades 9-12 0.5 Unit

High school students in this course are the faces behind the school's newspaper, The Silver Scroll, and the broadcasting show, The Update. The class produces five to six issues and a news show for middle and high school students as well as mini documentaries, commercials and public service announcements. Each student is responsible for interviewing sources, still and video photography, graphic design and writing original copy. Students in this course are also exposed to business experience by selling ads in the community. The staff is lead by the Executive and Managing Editors and the Adviser. Students also attend a yearly conference and awards ceremony at the University of South Carolina School of Journalism and Mass Communications where they are eligible for staff and individual honors.

Advanced Placement courses in their Junior and Senior years. Students will need to maintain a B average in order to remain in honors classes.

Grade Point Averages are weighted according to South Carolina Uniform Grading Scale. Grading Scale found on page 6.

For example:

A grade of 100 will carry a CP weighting of a 4.87, an Honors weighting of 5.37, and an AP weighting of 5.87. A grade of 90 has a CP weighting of 3.62, an Honors weighting of 4.12, and an AP weighting of 4.62.

Some scholarships, however, may be based on unweighted values. For these calibrations, every A is weighted as a 4.0, every B as a 3.0, every C as a 2.0, and every D as a 1.0.

Grading

Grading Scale- Oakbrook incorporates the Uniform Grading Scale of South Carolina:

A	93 - 100
B	85 - 92
C	77 - 84
D	70 - 76
F	63-69 (Partial GPR credit)
F	62 or below (No GPR credit)

Grade Reporting- A midterm report will be sent home at the half-way point of each term. At the conclusion of each 9-week term, grades will be reported on the grade report. The grade on this report will reflect an average of the grades received that previous term. Students will receive graded assignments and correspondence via student mailboxes.

Requirements for Promotion- At the end of the year all term grades will be averaged to determine the year's average in each subject area. Grade point averages will be calculated from these yearly averages. Students who make a grade of F in a course required for their college transcript must repeat the course the following year or at an approved summer school.

For the serious artist who loves to paint! Watercolors and Acrylic paints will be the media for the course. Projects will focus on color theories, definitions, and painting styles.

Book Arts **Grades 9-12** **0.5 Unit**

A combination of bookmaking and creative book-altering techniques to turn books into works of art using the pages as canvases. Painting, collage methods, journaling, collecting quotes & poems as well as using other creative writing processes are also an important part of the projects.

The Bible Through Artists' Eyes **Grades 9-12** **0.5 Unit**

A study of Biblical themes throughout the history of art. Students will also study certain portions, topics & events in the Bible to base their paintings on in both realistic and symbolic techniques. Creation, angels, and the study of parables are some examples of our study.

Intermediate Guitar **Grades 9-12** **No credit**

The one-day-per-week course is recommended for guitar students with basic skills. There will be an emphasis on guitar styles and improvisation. Music theory will be a graded component of the course. Each student must provide his/her own guitar.

Advanced Guitar **Grades 9-12** **No credit**

Prerequisite: Intermediate Guitar and teacher recommendation

This one-day-per-week course is offered to serious guitar students. Performance and music composition will be primary objectives. Each student must provide his/her own guitar.

Sculpture I **Grades 9-12** **0.5 Unit**
 This is a course for the serious art student interested in 3-D design. Students will use a variety of media including paper, clay, metal, plaster & carving media to explore sculptural techniques of assembling/constructing, modeling, & carving with both additive & subtractive processes. Drawing will also be required as a part of the creative processes.

Drawing I **Grades 9-12** **0.5 Unit**
 A basic drawing course emphasizing creative compositions, realistic tones & textures, high quality shading & other technical skills plus an introduction to drawing in perspective. All dry drawing media will be used including pencils, charcoal, ink, markers, scratchboard, and pastels.

Drawing II **Grades 9-12** **0.5 Unit**
Prerequisite: Drawing I
 A drawing course for the more advanced art student wanting to concentrate on technical drawing skills of one, two, and three-point perspective processes of drawing houses & buildings, landscapes with roads or paths, cityscapes, interiors, as well as still life and portraits. Tonal drawing qualities will also be emphasized in every project. Dry drawing media will be used for the basis of the composition including pencils, charcoal, ink, markers and pastels; some projects will require paint or other wet media to be added in the final stages.

Women in the Arts **Grades 9-12** **0.5 Unit**
High School Girls Only
 A study of women as subjects of artwork throughout the ages with a specific concentration on women artists. There will be a strong emphasis on symbolism in art as it relates to women's life experiences.

Surface Design **Grades 9-12** **0.5 Unit**
 Applying basic elements of art and design principles to a variety of unusual 2-D & 3-D surfaces while using a wide selection of art tools and media. Painting is required in most of the projects.

Mixed Media I **Grades 9-12** **0.5 Unit**
 Combining painting, collage, oil pastels and other drawing media as well as writing into various artistic 2-D creations. Papermaking is also included.

Painting I **Grades 9-12** **0.5 Unit**
Prerequisite: Drawing I

South Carolina Uniform Grading Scale Conversions				
Numerical Average	Letter Grade	College Prep	Honors	AP
100	A	4.875	5.375	5.875
99	A	4.750	5.250	5.750
98	A	4.625	5.125	5.625
97	A	4.500	5.000	5.500
96	A	4.375	4.875	5.375
95	A	4.250	4.750	5.250
94	A	4.125	4.625	5.125
93	A	4.000	4.500	5.000
92	B	3.875	4.375	4.875
91	B	3.750	4.250	4.750
90	B	3.625	4.125	4.625
89	B	3.500	4.000	4.500
88	B	3.375	3.875	4.375
87	B	3.250	3.750	4.250
86	B	3.125	3.625	4.125
85	B	3.000	3.500	4.000
84	C	2.875	3.375	3.875
83	C	2.750	3.250	3.750
82	C	2.625	3.125	3.625
81	C	2.500	3.000	3.500
80	C	2.375	2.875	3.375
79	C	2.250	2.750	3.250
78	C	2.125	2.625	3.125
77	C	2.000	2.500	3.000
76	D	1.875	2.375	2.875
75	D	1.750	2.250	2.750
74	D	1.625	2.125	2.625
73	D	1.500	2.000	2.500
72	D	1.375	1.875	2.375
71	D	1.250	1.750	2.250
70	D	1.125	1.625	2.125
69	F	1.000	1.500	2.000
68	F	0.875	1.375	1.875
67	F	0.750	1.250	1.750
66	F	0.625	1.125	1.625
65	F	0.500	1.000	1.500
64	F	0.375	0.875	1.375
63	F	0.250	0.750	1.250
62	F	0.125	0.625	1.125
0-61	F	0.000	0.000	0.000

Overview of Course Offerings

English Department — 4 units required for graduation

* required for graduation

- * English I OR English I Honors
- * English II OR English II Honors
- * English III OR English III Honors
- * English IV OR English AP

Students who elect Honors courses must understand that extensive reading and writing assignments beyond class time will be expected. Failure to meet deadlines will not be tolerated. Students must maintain a “B” average to remain in the Honors curriculum. It is recommended that students score above the 50th percentile on the Critical Reading component of the PSAT to sign up for AP English.

Math Department — 4 units required for graduation

Required Math	Elective Math <i>Choose at least one</i>	
Algebra I Geometry Algebra II	Algebra III Statistics AP Statistics	PreCalculus Calculus AP Calculus



Year 1 (grades 7-9)	Year 2 (grades 8-10)	Year 3 (grades 9-11)	Year 4 (grades 10-12)	Year 5 (grades 11-12)	Year 6 (grade 12)
Algebra I CP	Geometry CP	Algebra II CP	Algebra III CP	Statistics H Statistics AP PreCalculus H	Statistics AP Calculus AP
Algebra I H	Geometry H	Algebra II H	PreCalculus H Statistics H Statistics AP	Calculus H Calculus AP Statistics AP	

also analyze famous works and original student choreographed pieces and then critique and reflect on the works while implementing the dance elements. Dance history will be reviewed and applied while using critical and creative thinking skills.

Students are required to dress out for class daily (black cotton pants and a form-fitting shirt)

High School Drama Grades 9-12 0.5 Unit

Drama is an interactive class that promotes community through the drama experience. We explore all aspects of Drama with performance as the end goal. We focus on technique, process and learning through experience. We use highly effective drama games that help to build unity and trust as well as helping to push students to a higher standard of acting. When a student leaves drama class they should have experienced drama on many levels, from acting, to building sets, to directing and will be able to appreciate drama with a higher level of understanding.

AP Studio Art Grades 11-12 1 Unit

Prerequisites: Art I, Painting, Mixed Media, Drawing 1 & 2 (or possible other courses) and art teacher recommendation based on student’s current art portfolio, interview, and level of success in past art courses.

An intense art course for highly motivated advanced art students who already work at a very independent skill level. Students will complete a college level portfolio of work that includes a section that shows the variety of media & subject matter the student uses & an additional section that is a series based on one theme. A minimum of 24 high quality pieces of artwork will be created within the first 3 terms with revisions, photographing work & portfolio preparations including written support from the concentration series in term 4. The work will be presented to the AP College Board with the possibility of college credit. Summer projects are also required to be completed independently & brought into class at the beginning of the course for our first critique.

Advanced Studio Art Grades 11-12 0.5 or 1 Unit

Prerequisites: Art I, Painting, Mixed Media, Drawing 1 & 2 (or possible other courses) and art teacher recommendation based on student’s current art portfolio, interview, and level of success in past art courses.

An intense art course for highly motivated advanced art students who already work at a very independent skill level and want to continue to build expertise and quality in a small group of advanced artists while creating a personal portfolio of artwork. Summer projects are also required to be completed independently & brought into class at the beginning of the course for our first critique.

ARTS DEPARTMENT

Concert Band **Grades 9-12** **0.5 Unit**
 Concert Band is a band class open to all woodwind, brass and percussion instrumental students. This performing group requires a basic musical background and general fluency on one's instrument. Members sometimes combine with the middle school classes to perform as a full band. Class sessions entail a study of instrumentation fundamentals and techniques at the individual, ensemble, and full band levels. Participation in other performing groups is encouraged. An active concert schedule of 4-5 full and joint concerts is maintained. Concert events include in-school concerts, Region and All-state band, festivals (such as Carowinds), and possible school drama/musicals. Individual performance opportunities include Solo and Ensemble festival, auditions for Region and All-state band, and various school functions. Students will learn how music interrelates with the other arts.

High School Dance **Grades 9-12** **0.5 Unit**
 Dance is an interactive and innovative class designed to provide students with the opportunity to learn and appreciate the art form of dance. One of the main standards explored is dance technique, which enables the students to become literate in dance fundamentals, in a variety of genres, and to be engaged in activities involving body awareness, movement exploration, and the understanding of the dance elements-body, time, space, and energy. Emphasis is also put on understanding choreographic principles, processes, and structures while acquiring the skills to create and interpret ideas and feelings through dance. Students will use critical and creative thinking skills, learn history and culture, connect dance with healthy living, and relate dance with other disciplines.

Students are required to dress out for class daily (black cotton pants and form-fitting shirt)

Advanced Dance **Grades 9-12** **0.5 Unit**
Prerequisite: High School Dance and/or teacher recommendation
 The Advanced Dance course is designed to emphasize and refine all main technique areas and master specific dance vocabulary related to the efficient and artful use of the body as an instrument. Students will understand and master all aspects of dance elements, such as body, time, space, and energy, by interweaving them skillfully throughout compositions, technique, and performance. A complex level of the choreographic principles will be studied and applied allowing students to create original dance works with coherence and aesthetic unity while directing a group of dancers through the choreographic process. Students will

Students may move from CP to Honors courses with an A average and disciplined study skills. To take AP courses, it is recommended that students maintain a B average in Honors courses and score above the 50th percentile on the Math component of the PSAT.

Science Department — ****4 units required for graduation** **(3 units prior to Class of 2013)**

Required Science	Elective Science <i>Choose at least one</i>
Physical Science** Biology Chemistry	Marine Biology Anatomy & Physiology Physics AP Biology AP Chemistry

Year 1 (grades 8-9)	Year 2 (grades 9-10)	Year 3 (grades 10-11)	Year 4 (grades 11-12)	Year 5 (grade 12)
Physical Science CP **	Biology CP	Chemistry CP	Marine Biology CP Physics H	Anatomy & Physiology H Physics H
Physical Science H **	Biology H	Chemistry H	Anatomy & Physiology Chemistry AP	Marine Biology CP Biology AP Chemistry AP
(required for class of 2013)				

Students must maintain a B average in Honors science courses to continue in the Honors curriculum. It is recommended that AP students' PSAT scores are above the 50th percentile in math to take AP science courses. Students may move from CP to Honors levels with an A or B average in science courses, evidence of excellent study habits, and teacher recommendation.

****Physical Science requirement applies to the graduating class of 2013 and beyond.**

GERMAN

German 1 **Grades 8-9/Grades 9-10** **1 Unit**

This German course introduces students to the German language and its culture. Students will learn to communicate in basic German about themselves, their families, activities they enjoy, and a variety of other simple subjects in the present and present perfect mood. There is a strong emphasis on oral participation and vocabulary development. Cultural differences and similarities are explored. Basic listening, speaking, reading and writing skills are explored.

**Level one courses are taught over the course of two years. The unit of credit is given at the completion of the course at the end of the second year.

German 1 Honors **Grade 8-9/Grades 9-10** **1 Unit**

Prerequisite: B or better in English

This German course introduces students to the German language and its culture at an advanced pace and in greater depth. Students will learn to actively communicate in reading, writing, understanding and speaking German. This course is designed to promote the skills needed to do well in the honors courses that lead to the AP program.

**Level one courses are taught over the course of two years. The unit of credit is given at the completion of the course at the end of the second year.

German 2 **Grades 9-10** **1 Unit**

Prerequisite: German 1

German 2 concentrates on sharpening oral and aural skills acquired in German 1. Grammar skills are reviewed, new grammar and new verb tenses are introduced. Vocabulary expansion will continue to be crucial and cultural connections will be expanded. Reading, writing, listening and speaking skills will be used in the class room activities.

German 2 Honors **Grades 9-10** **1 Unit**

Prerequisite: German 1 Honors and German teacher's recommendation

This class reviews the oral and aural skills introduced in German 1 Honors. More advanced grammatical structures are stressed. Vocabulary expansion and cultural appreciation will continue. This course is designed to promote the necessary skills to do well in the honors courses that lead to the AP program.

German 3 **Grades 10-11** **1 Unit**

Prerequisite: German 2

This course is designed for students who would like to continue their study of German. Students will learn more advanced grammar structures. Vocabulary

Required Non-Core Units

One unit of each required for graduation

- * *Fitness (Dance can be substituted to meet fitness requirement)*
- * *Computer Applications*
- * *Christian Education*
- * *Senior Project*

Electives - 4 Units required for graduation

**All 0.5 unit unless noted*

Art

Advanced Art Studio

AP Art Studio

Bible Through Artists Eyes

Book Arts

Drawing I ; Drawing II

Mixed Media I

Painting I

Sculpture I

Surface Design

Women in the Arts

Band

Convergence Journalism

Dance - Basic & Advanced

Drama

Foundations in Sport and Exercise Psychology

Guitar - Intermediate & Advanced

History of Modern Music

Introduction to Athletic Training

Introduction to Psychology

Public Speaking

SAT Prep

Street Law

Yearbook (1 unit)

ENGLISH DEPARTMENT

* 4 units required for graduation

English I CP **Grade 9** **1 Unit**
The course will include a study of English grammar, usage, vocabulary, composition, and literature. The literature will represent a variety of world authors, and students will be encouraged to analyze these works to gain stronger foundations in writing, listening, speaking, and thinking skills.

English I Honors **Grade 9** **1 Unit**
Prerequisite: 90 average in prior English and teacher recommendation
The course will cover the components of the English I CP course but will extend the study by including supplemental readings as well as more extensive essays and projects. The initial honors course is a foundation course for eventual AP level courses.

English II CP **Grade 10** **1 Unit**
The course is an eclectic study of American literature. Fiction, non-fiction, poetry, and drama will be featured. Composition skills will be stressed as students begin literary analysis and poetry explication. Vocabulary skills will also be emphasized. Particular attention will be paid to preparation for SAT and ACT exams.

English II Honors **Grade 10** **1 Unit**
Prerequisite: English I Honors or 90 average in English CP and teacher recommendation
The course will extend the criteria for English II CP by requiring more extensive writing and reading experiences.

English III CP **Grade 11** **1 Unit**
The primary emphasis of the course will be composition and a survey of British Literature. Grammar and usage will be addressed as individual needs dictate. Students will continue to hone vocabulary skills in preparation for college entrance tests.

English III Honors **Grade 11** **1 Unit**
Prerequisite: English II Honors or 90 average in English CP and teacher recommendation
Narrative, descriptive, expository, and persuasive essays will complement the study of British Literature.

indicative verb tenses and advanced grammatical structures are stressed. Vocabulary expansion and cultural appreciation will continue. This course is designed to promote the necessary skills to do well in the honors courses that lead to the AP program.

Spanish 3 **Grades 10-11** **1 Unit**
Prerequisite: Spanish 2

This course is designed for students who would like to continue their study of Spanish. Students will learn the subjunctive mood and perfect tenses. Vocabulary expansion will continue and the language will be used in writing, reading, listening and speaking. Further study of Spanish-speaking cultures continues.

Spanish 3 Honors **Grades 10-11** **1 Unit**
Prerequisite: Spanish 2 Honors and Spanish teacher's recommendation
This class is designed for students who plan to complete the AP course. Reading, writing, speaking and listening skills will be practiced daily. Vocabulary expansion and cultural appreciation will continue. Students are expected to communicate in Spanish.

Spanish 4 Honors **Grades 11-12** **1 Unit**
(Seminar/Conversation)
Prerequisite: Spanish 3 Honors and Spanish teacher's recommendation
The purpose of this course is to fully immerse the student into the Spanish language through reading and hearing literature as well as discussing written works in Spanish. Written responses will also be used to process the language/subjects of the pieces read together in class. Vocabulary needed to succeed at the advanced level will be introduced and immediate application/use will be encouraged. Idioms and transitional phrases used in spoken language will be studied as well as effectively answering questions asked in the target language, Spanish. A cumulative language reference binder will be compiled over the course of the year encouraging and enabling future (lifelong) independent learning.

AP Spanish Language **Grades 11-12** **1 Unit**
Prerequisite: Spanish 3 Honors and Spanish teacher's recommendation
This course is specifically designed to prepare students for the *Advanced Placement Spanish Language Exam* or college entrance exams. Listening and speaking will be the focus of the class while reading and writing will be developed through vocabulary enhancement activities. Drill will be stressed as students prepare for the AP Spanish Language Exam.

Marine Science **Grades 10-12** **1 Unit**
Prerequisite: Biology
An introduction to the history and methodology of the study of the ocean, including the diversity of marine life and marine ecosystems. This course explores how the physical and biological characteristics of the ocean interact to affect marine ecology.

Physics Honors **Grades 11-12** **1 Unit**
Prerequisite: Algebra II Honors and Chemistry Honors OR Algebra II and Chemistry and teacher recommendation
This course includes the study of mechanics, dynamics, fluids, thermodynamics, sound, optics, electricity, magnetism, and modern physics. An integral part of the course is labs (to reinforce topics as they are studied). A graphing calculator is required for this course. This course counts as a lab science.

SOCIAL STUDIES DEPARTMENT

*** 3.5 units required for graduation**

Global Studies II **Grades 9-10** **1 Unit**
A yearlong survey course which examines global history from the early Greek civilization to the Renaissance. Students are taught using a variety of methods including lecture, class discussion, research, projects, timelines, and maps. The course focuses on the social, religious, and political development of Western Europe.

U.S. History **Grades 10-12** **1 Unit**
A yearlong course that broadly examines the history of the United States from the Colonial period to the 1980s. The course focuses on the development of American political, economic, and cultural institutions as well as the historical contingencies that contributed its rise as a world power in the 20th century.

Practical Economics and Introduction to Microeconomics
Grades 11-12 **1 Unit**
Economics is a two-semester course that focuses on personal financial management and microeconomics. The first semester course covers the decision-making process of a consumer for needs and wants and the second semester cov-

AP Calculus AB **Grade 11-12** **1 Unit**
Prerequisite: Pre-Calculus Honors and teacher recommendation
Topics include polynomial, trigonometric, exponential, and logarithmic functions; differential calculus, including the increment of a function, the chain rule, differentials, Rolle's Theorem, Mean Value Theorem, and applications; integral calculus, including indefinite and definite integrals, techniques of integration, and applications; limits including L'Hopital's Theorem. A graphing calculator is required for this course. The last few weeks of the course will involve a detailed review and preparation for the AP exam which will be taken the first week in May. Many colleges will grant credit for first semester Calculus to those who score a 3 or higher on this exam.

Statistics Honors **Grade 11-12** **1 Unit**
Prerequisite: Algebra II
Students learn the fundamental principles of probability and statistics. Statistical applications of given data sets will be used in a wide variety of problems, including but not limited to, agriculture, biology, business, economics, education, psychology, engineering, medicine, sociology, and computer sciences. Students will analyze, organize, and draw conclusions about given statistical data.

Statistics AP **Grade 11-12** **1 Unit**
Prerequisite: Algebra III or Algebra II Honors and teacher recommendation
The students will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimating population parameters and testing hypotheses. Statistical applications of given data sets will be used in a wide variety of problems, including but not limited to, agriculture, biology, business, economics, education, psychology, engineering, medicine, sociology, and computer sciences.

SCIENCE DEPARTMENT

- **4 units required for graduation (*3 units prior to class of 2013)**

*The 3 science units must be in a laboratory science class.

At least 2 of the units must be in different fields and selected from biology, chemistry, or physics.

Physical Science **Grades 8-9** **1 Unit**

This course will provide a basic overview of the major concepts and principles of chemistry and physics while establishing a foundation for successive science courses. It will not require that the student be in a higher level math; however, basic math skills will be used. Students in this course will be given a good foundation for the sciences that will be experienced in high school and later in technical school. **Required beginning with class of 2013

Biology **Grades 9-10** **1 Unit**

This course is an introduction to the major characteristics of living organisms. Course topics include characteristics of life, history of life, cell structure and function, basic concepts of heredity and reproduction, and an overview of the major characteristics of organisms classified within the taxonomic system of life including their comparative anatomy and ecological relationships. A required laboratory component will provide hands-on activities to reinforce important topics.

Biology Honors **Grades 9-10** **1 Unit**

Prerequisite: Teacher recommendation

This honors-level course is for motivated students who desire an in-depth and challenging program. Course content encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. Extensive laboratory work, problem-solving and research are essential components.

AP Biology **Grades 11-12** **1 Unit**

Prerequisite: Honors Biology & Chemistry and teacher recommendation

This course is an in-depth study equivalent to college-freshman biology and includes several major themes and principles of biology with special emphasis on the characteristics of life, reproduction and development of organisms, origin of life and evolution of diverse life forms, genetics and molecular biology of viruses, bacteria and eukaryotic organisms, anatomy and physiology of plants and ecological relationships among organisms. A comprehensive laboratory compo-

nent is required and will reinforce basic principles. College credit may be obtained upon successfully passing the AP Biology Examination.

Anatomy and Physiology Honors

Grades 10-12 **1 Unit**

Prerequisite: Biology Honors & Chemistry Honors OR Biology and Chemistry and teacher recommendation

This course is an in-depth study of the structure and function of the human body. Course topics include a survey of the major themes of biology; the principal features of organisms; the structure, physiology and metabolism of cells and tissues; the anatomy and physiology of the major mammalian organ systems, their interrelationships, and homeostatic mechanisms. A required laboratory component will stress hands-on activities in cell biology and anatomy and physiology with dissection. Labs will also have a health and sports medicine emphasis.

Chemistry **Grades 10-11** **1 Unit**

Prerequisite: Biology

This course is an introduction to chemistry. Students study atomic structure, chemical and physical changes, formulas, mole relationships, balancing equations, gases, properties of solids, liquids, and gases, bonding, acids and bases. Contains a major lab component.

Chemistry Honors **Grades 10-11** **1 Unit**

Prerequisite: Honors Biology or teacher recommendation

This is a course designed for students with exceptional academic talent and a strong desire to major in the sciences. The study includes atomic theory, stoichiometry, thermodynamics, quantum exploration of atomic structure, the relation of chemical properties to atomic theory and the periodic table, and equilibrium as applied to acid-base and redox reaction. A short introduction to organic and nuclear chemistry is part of the course. The course contains a major laboratory component.

Chemistry AP **Grades 11-12** **1 Unit**

Prerequisite: Honors Chemistry, Algebra II, and teacher recommendation

AP Chemistry is designed to offer a rigorous and challenging course that covers the chemistry and chemical principles typical of college and university general science courses. Students learn the usefulness and relevance of chemistry in both their intended areas of study and in the everyday world. The course should contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic.