

Ooltewah High School



Course Descriptions And Graduation Requirements

2007—2008

Course: Honors-Mentoring
Grade: 12
Prerequisite: IEP required

1 Term
1 Credit

This course is designed to provide seniors who have mastered academics the opportunity to explore career options before they begin their post-secondary preparation for the profession of their choice. This course will provide interdisciplinary application of the knowledge and skills students have already mastered as well as the opportunity to acquire new skills through a mentorship relationship with a professional in the field of their choice. Medical fields are not included because of state guidelines.

Course: College Bound
Grade: 12
Prerequisite: IEP required

9 weeks
½ Credit

College Bound includes the identification of and application to colleges which students are interested in attending, refinement of the resume', examination of career goals and objectives and the exploration and completion of scholarship applications for which the student is eligible. Different aspects of campus life and post-graduate *Real World* life are discussed with various guest speakers. College Bound is taught alternating weeks with Economics. Students receive ½ credit for each course.

OOLTEWAH HIGH SCHOOL

Course Descriptions

And

Graduation Requirements

2007-2008

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Visit our website:

www.ohsowls.com

Copies of the Course Descriptions and Graduation Requirements booklet can be downloaded from the website.

Course: Honors-Advanced Study Skills **1 Term**
Grades: 10, 11 **1 Credit**
Prerequisite: IEP required

This course includes the evaluation of learning styles, introduction of various study skills with application, test preparation for the PSAT with emphasis on vocabulary, test taking strategies, test anxiety reduction and preparation of applications. Problem solving methodologies are practiced, and peer mediation skills are developed. Career testing may be administered.

Course: Honors-Creative Expression **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: IEP required

Students are introduced to the development of creative expression incorporating written and oral modalities according to their IEPs. Instruction and practice in the written genres of poetry, essay, drama, short story and personal narrative, along with verbal presentations of student's work, are emphasized as part of individual skill development.

Course: Honors-Media Journalism **1 Term**
Grades: 9, 10, 11, 12 **1 Credit**
Prerequisite: IEP required

Students are introduced to various forms of journalism and the writing styles used in each. This course is project oriented; students will explore magazine, internet and documentary journalism. A computer oriented project for the International Media Fair will be a culminating project.

Course: Career Prep II
Grades: 11, 12
Prerequisite: IEP required

2 Terms
2 Credits

This course will consist of two components: classroom and practical. The classroom component focuses on entry level employment skills and job-readiness, reasoning skills, decision making skills, social skills and applying and interviewing for a job. Students will develop a portfolio in preparation for transition from school to independent living. The practical component will include interest, ability and aptitude assessments. Students will also participate in the community and/or a work experience.

Course: Work-Based Learning
Grades: 11, 12
Prerequisite: IEP required

2 Terms
2 Credits

This community-based Vocational Education/Work-Based Learning experience gives students hands-on experience in the work place in addition to classroom awareness of careers, work behavior and employer expectations. Topics covered in preparation of the transition from school to work include: career exploration, resume writing and job interviews.

Intellectually Gifted Division

Course: Honors-U.S. Government
Grade: 9 (other grades as needed for graduation)
Prerequisite: IEP required

1 Term
1 Credit

This course is designed to develop critical thinking skills through research, class discussion, evaluation of information and justification of positions with evidence. Research requires both primary and secondary sources. Opportunities to apply the knowledge are provided through quizzes, tests and academic contests. Emphasis is on the relationship of current events to the principles of government, existing law and historical precedent.

INTRODUCTION

This catalog is designed to assist students and parents in graduation planning and course selection. Course descriptions are listed by department.

All courses meet for one term (semester) and are worth one credit unless otherwise indicated. All students, with the exception of students in the Freshman Academy, will take four courses per term for a total of eight courses each year. The proper sequential order of courses must be followed. *Please see page 6 for a description of Freshman Academy schedules.*

BLOCK SCHEDULING

One-term courses, commonly referred to as “block” or “semester” courses, meet each day for 90 minutes. Full-year courses that meet every other day for 90 minutes on an “A/B” schedule are worth one credit. Full-year courses that meet every day for 90 minutes are worth two credits.

GRADUATION REQUIREMENTS

Students who entered 9th grade before Fall 2005 must select either a University, Technical or Dual path of study.

The Single Path graduation requirements apply to students who enter 9th grade in Fall 2005 (Class of 2009) and later.

Students must pass Gateway Exams in Algebra, Science and English Language Arts in order to earn a diploma.

Graduation requirements (number of credits) for transfer students will be evaluated on an individual basis.

Students in the Exceptional Education program must meet IEP requirements.

All students who plan to participate in athletics must be enrolled in at least three (3) classes each term.

GRADUATION REQUIREMENTS

Class of 2008

University Path

English	4 credits
Mathematics	4 credits (including Algebra I, Geometry, and Algebra II)
Science	4 credits (including Biology and Chemistry <u>or</u> Physics)
Social Studies	3 credits (including World Geography <u>or</u> World History, U.S. History, 1/2 credit US Government <u>and</u> 1/2 credit Economics)
Wellness	1 credit <u>OR</u> 2 credits in JROTC (LET 1 & LET 2)
Foreign Language	2 credits (same language)
Fine Arts	1 credit
Electives	9 credits

Total: 28 credits

Exit Exams: Gateway Exams

Selection of Valedictorian and Salutatorian

The valedictorian of the graduating class is the student with the highest numerical average. The Salutatorian is the student with the second highest numerical average. Eligibility for these honors includes four (4) classes of the highest levels of English offered and four (4) classes of upper level mathematics (Algebra I and above).

EXCEPTIONAL EDUCATION

The exceptional education program has three divisions: Inclusion, Alternative Achievement (AAC) and Intellectually Gifted. Services are rendered as a result of required testing and IEP Team decisions.

Inclusion Division

Inclusion Classes include the following courses:

English 9, 10, 11, 12
Algebra I, Geometry
Physical Science, Biology, Chemistry
World Geography, U.S. History, U.S. Government, Economics

AAC Division

Course: Career Prep I-Mathematics

Grades: 9, 10, 11, 12

Prerequisite: IEP required

This course will equip students with the math competencies needed for independent living and successful employment. Students will become skilled in basic math operations and applications. Students will also gain knowledge of personal financial management including: banking, budgeting, correctly balancing a checkbook and household management. Time management and real-life problem solving skills will also be developed through this curriculum. Calculators, graphs, charts and other manipulatives will be used in this course.

Course: Career Prep I-Language

Grades: 9, 10, 11, 12

Prerequisite: IEP required

Students will develop essential reading, writing and speaking skills to improve basic understanding of language skills. The course will focus on personal, occupational and consumer proficiencies needed for independent living and successful employment.

Classes of 2009, 2010 and 2011

Single Path

English	4 credits
Mathematics	4 credits (Algebra I, Geometry and 2 advanced math classes)
Science	4 credits (Physical Science, Biology, Chemistry <u>or</u> Physics and 1 advanced science class)
Social Studies	3 credits (World Geography/World History/World Cultures/World Studies, U.S. History/American Studies and 1/2 credit US Government <u>and</u> 1/2 credit Economics)
Wellness	1 credit <u>OR</u> 2 credits in JROTC (LET 1 & LET 2)
Foreign Language	2 credits (same language)
Fine Arts	1 credit
Senior Project <u>or</u> Service Learning	1 credit
Major Studies	4 credits
Electives	4 credits

Total: 28 credits

Exit Exams: Gateway Exams

Major Studies will utilize a Personalized Education Program and coherent sequence of courses for each student. *Courses used to satisfy Major requirements must be above courses taken to satisfy core requirements.*

Majors include:

- **Mathematics/Science/Technology:** Any combination of four (4) courses in Mathematics, Science, Technology or JROTC
- **Technical/Career:** Four (4) courses in a concentration including Career Management System (CMS)
- **Humanities:** Four (4) courses in Literature, History, Foreign Language, Journalism, JROTC, Fine Arts and CMS

Course: Dual Enrollment Music Appreciation **1 Term**
Grades: 10,11, 12 **1/2 Credit**
Prerequisite: Must meet all entrance requirements for CSTCC

Through the medium of recorded music, the student studies the development of music from the middle ages to the present. Designed to aid the student to a better understanding and appreciation of traditional music as well as music of our present culture.

Course: Dual Enrollment Pre-Calculus **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: Must meet all entrance requirements For CSTCC

This course combines college algebra and pre-calculus. The first half of the course provides a study of functions and graphs, systems of equations, matrices, exponential and logarithmic equations, complex numbers, polynomial and rational functions, and right triangle trigonometry. The second half of this course covers trigonometric identities, triangle applications, polar coordinates, conic sections, binomial theorem, sequences and series.

Course: Dual Enrollment Calculus **2 Terms**
Grade: 12 **2 Credits**
Prerequisite: Must meet all entrance requirements for CSTCC

This course combines calculus with analytic geometry. The first half of the course (4 hours college credit) is a study of analytic geometry, limits, derivatives of algebraic, trigonometric, exponential, and logarithmic functions, and their applications. Anti-derivatives and beginning integration are also covered. The second half of the course (4 hours college credit) is parametric equations, polar coordinates, and infinite series and sequences.

Course: Dual Enrollment World Civilizations I **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: Must meet all entrance requirements For CSTCC

This course is conducted under the standards of Chattanooga State. History of World Civilizations I (HIS 1110) is a survey of the political, social, cultural, religious and intellectual history of world civilizations from Ancient Time to 1500AD. College bound students are encouraged to take advantage of this college credit study opportunity. Tuition charges and books are purchased through Chattanooga State.

Ooltewah High School Freshman Academy

Studies indicate that students who experience success in the first year of high school are more likely to graduate; therefore, incoming ninth grade students will enjoy the opportunities and privileges of the Ooltewah High School Freshman Academy.

Freshmen will have a personal advisor, year long core academic classes, and specific programs designed for first year high school students. Some field trips will be offered in relation to specific elective courses. All of these components have been designed to assist freshmen with the transition from middle to high school.

Freshman Academy Schedules

All students in the Freshman Academy are required to take the following core courses:

English 9
Mathematics
Science
World History

Core courses meet every other day, on an “A/B” schedule, for the duration of the school year. Students earn one credit at the end of the school year for each core course.

Students may choose two additional courses each term in Career & Technical Education, Fine Arts, Foreign Language, Physical Education, Social Studies, Wellness or JROTC. Students will have 6 classes per term on their schedules, and may earn a total of 8 credits in a school year.

Course: JROTC IV (LET 7 & LET 8)

Grade: 12

Prerequisite: JROTC III

2 Terms

2 Credits

This course is a continuation of JROTC III with emphasis being placed on ethical reasoning, planning and decision making, applied leadership, fitness, community involvement, and the job market. Cadets assume senior positions of leadership and assist the instructors. Second term has emphasis on practical application of skills learned in first term to include performance in assigned command and staff positions within the cadet organization, preparation and execution of the annual Federal Command Inspection, JROTC recruiting, career planning, seminars, advanced leadership labs and U.S. Government.

A list of units and a brief description of the scope of the training is as follows:

1. **Drill Team/Colorguard**—Precision in drill and ceremonies as well as manuals of arms.
2. **Rifle Teams**—Advanced coaching in individualized marksmanship. Competition in league, statewide and regional matches.
3. **Raider/Adventure Training Unit**—Training in rappelling, rafting, spelunking, etc.

JUNIOR RESERVE OFFICER TRAINING CORP

Global Studies Academy Requirements

1. **20 Hours Community Service**
 - *10 hours per semester; incorporated into GSA required courses*
 - *Can be achieved through service clubs (i.e. Deca, Key, Beta, Tri-Alpha, FCCLA, etc.)*
2. Four (4) credits of a Foreign Language
3. E-Commerce Design (pre-requisite: Keyboarding)
4. Foundations of Global Studies** (10th)
5. Contemporary Global Studies** (10th)
6. Global Warfare Throughout the 20th Century** (11th)
7. U.S. History, Diplomacy and the U.N.** (11th)
8. Global Economics and Government
9. Professional English 11 or Professional English 12

**As part of the course grade, students are required to participate in one of the following extra-curricular activities:

- **Model UN**
- **FBLA**
- **Youth Legislature**
- **Mock Trial**

Recommended Electives

A.P. European History	Ecology
Art History	Marketing
Bible History I (OT)	Bible History II (NT)
Desktop Publishing	Business Principles
Dual Enrollment-Music Appreciation	Accounting
Dual Enrollment-Personal Computing	
International Art and Entertainment Advertising	

The objective of the JROTC Program is “to motivate young people to be better citizens” by providing instruction in and application of good citizenship and character, responsibility, leadership development, self-worth, communicative skills, problem solving, discipline, respect, ethics and wellness of body, mind and spirit—attributes which will benefit the student, the community and the nation. JROTC is an elective which carries absolutely **no** military obligation. The program is based on a systematic progression of learning that is designed for the cadet’s development and maturity at each grade level. The scope and focus of instruction is, therefore, sequential, building upon the previous year’s curriculum.

Under block scheduling, the program consists of four school years and eight blocks with 135 hours each block. Each block is called Leadership, Education and Training (LET) level--LET1 through LET8. During the first school year of JROTC, LET1 & LET 2 are offered as a two-block integrated course of instruction in Lifetime Wellness and basic JROTC. **Both blocks must be taken to gain one elective credit in JROTC plus one core credit in Wellness.** Each subsequent school year consists of a JROTC elective credit during each block. Successful completion through LET 8 can also be used to satisfy the graduation requisite 1/2 core credit for U.S. Government. To derive maximum benefit from the program, a student is encouraged to take JROTC all four school years, which gains a total of 8.5 credits: seven elective credits in JROTC plus one core credit in Wellness, and the equivalency core credit in U.S. Government required for graduation. Each block after LET 1 is consecutively progressive and requires credit for the preceding block and teacher’s recommendation to take the next successive block.

PHYSICAL EDUCATION/WELLNESS

Course: Wellness **1 Term**
Grades: 9, 10, 11, 12 **1 Credit**
Prerequisite: None

This course includes physical fitness and the study of the human body, communicable and chronic diseases, emotional and social health, functions of the body, mental health, and the promotion of wellness through physical fitness. Wellness is required for graduation by the State Department of Education.

Students transferring into the Hamilton County School system, who have earned 1/2 credit in Physical Education and 1/2 credit in Health, may substitute these credits for the required Wellness credit.

*Students may earn multiple credits in Physical Education, but **not** in Wellness.*

Course: Physical Education I **1 Term**
Grades: 9, 10, 11, 12 **1 Credit**
Prerequisite: Wellness or Administrative approval

This course will introduce the rules and strategies of individual and team activities with emphasis on improving overall physical fitness. Daily participation is necessary.

Course: Physical Education II (Weight Training) **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: Wellness or Administrative approval

This course emphasizes personal fitness, weight training and individual sports.

Course: Physical Education III (Aerobics) **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: Wellness or administrative approval

This course will include flexibility, cardiovascular, and anaerobic work. It also includes some written assignments.

Mathematics, Engineering, Science and Technology (MEST) Academy

The MEST Academy emphasizes the interconnections among mathematics, science, technology and the humanities and prepares students to become creative problem solvers through a rigorous, specialized curriculum and community based partnership.

Features of the Program

- Collaborative classes combining academic subject matter and hands on application
- Relevant curriculum focused on math, science and engineering
- Self-directed problem-based learning (PBL) activities
- Builds student relations and collaboration
- Job Shadowing
- Co-Operative education opportunities
- Mentoring

Engineering Track Requirements

1. CAD I - 10th Grade
2. Principles of Engineering – 10th Grade
3. CAD II – 11th Grade
4. CAD III – 11th or 12th Grade
5. CAD IV (*Elective*)
6. Algebra II-Engineering **or** Honors Algebra II-Engineering
7. Honors Pre-Calculus-Engineering
8. Professional English 11 or 12 or approved equivalent

Ooltewah Wilderness and Leadership Academy

The Ooltewah Wilderness and Leadership (OWL) academy is a small learning community functioning within the framework of Ooltewah High School. This academy emphasizes the interconnections among science, humanities, and other courses to nurture a greater appreciation for the outdoors. Through specialized classes and community-based partnerships, the OWL academy prepares students to become environmental stewards of our natural world.

Examples of specialized courses available for the 2007-2008 school year:

- Biology
- English 10 with an emphasis on outdoor/adventure literature
- Visual Art I with an emphasis on landscapes, wildlife and other outdoor subjects

COURSE DESCRIPTIONS

2007-2008

ENGLISH/LANGUAGE ARTS

The valedictorian and the salutatorian of each graduating class must take the highest levels of English offered.

ALL STUDENTS ARE REQUIRED TO COMPLETE SUMMER READING ASSIGNMENTS.

Course: English 9 (Freshman Academy) 2 Terms
Grade: 9 1 Credit
Prerequisite: None

Students will develop skills in various forms of writing, critical thinking, and analysis of literature, as well as a sound knowledge of English grammar and punctuation. Students are also familiarized with the availability and use of resource material.

Course: Honors English 9 2 Terms
Grade: 9 1 Credit
Prerequisite: Teacher recommendation

This course includes classical literature, plays, poetry, mythology, short stories and novels. Several genres of writing are covered, culminating in the development of a research paper. Grammar is reinforced in the development of writing skills. Students will purchase additional novels and an MLA Handbook. High levels of reading comprehension and critical thinking skills are essential.

Course: Honors-World Cultures/English 9 2 Terms
Grade: 9 1 Credit
Prerequisite: Teacher recommendation

This course is designed for the above average student. World Cultures is a 9th grade course which is first in a series of interdisciplinary Social Studies and English credits. This course is designed to combine the academic interrelation of world geography and literature. H-WC/English 9 is paired with World Cultures for both terms. Students earn 1 credit in H-WC/English 9 and 1 credit in World Cultures/Geography.

Course: Family and Consumer Science 1 Term
Grade: 10 1 Credit
Prerequisite: None

In this course, students will learn decision-making skills, develop positive interpersonal relationships, plan for a healthy lifestyle, manage personal resources, practice use of consumer habits, obtain basic skills in food preparation and explore career options.

Course: Child Development 1 Term
Grades: 10, 11, 12 1 Credit
Prerequisite: None

Students will learn to understand the development of children, to provide for optimal care, how to keep children healthy and safe, and how to provide a nurturing environment.

Course: Housing and Interior Design 1 Term
Grades: 10, 11, 12 1 Credit
Prerequisite: None

In this course, students learn how to meet family housing needs, relate housing concerns to social, cultural and economic impacts; use design principles within the environment; select and care for furnishing and investigate trends and developments in housing.

Course: Family and Parenting Education 1 Term
Grades: 10, 11, 12 1 Credit
Prerequisite: None

In this course, students learn to understand the purpose and content of the family unit, develop a philosophy for family life and prepare for marriage and parenthood

Course: Nutrition and Foods 1 Term
Grade: 12 1 Credit
Prerequisite: Family and Consumer Science

This course prepares students to understand the principles of nutrition; the relationship of nutrition to health and well-being; the selection, preparation and care of food; meal management to meet individual and family food needs and patterns of living, and optimal use of the food dollar.

Course: Fashion Retailing **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: None

Fashion Retailing is an advanced course designed to develop skills and knowledge needed to succeed in the fashion marketing, management and the retail industry. Students will learn basic functions of marketing and how it relates to fashion, advertising and promotion.

Course: International Art and Entertainment Advertising (Advertising I) **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: None

This class is designed to provide students the opportunity to explore the global market place through advertising. Students will be exposed to international media through the use of television production equipment. Students will acquire hands on experience as an advertising executive, floor director, camera-person, editor, producer and creative director while producing their own advertisements. This course allows students to gain knowledge and develop skills necessary in an international environment. Students will be required to videotape one school event per month.

Course: Advertising II **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: Advertising I and prior Teacher approval

This is an advanced course offered to students who have already taken Advertising I. Students will be given a personal creative voice through hands-on video making. Student projects will be required in areas of music videos, advertisements, avant-garde videos and mixed media programs.

Course: Sports and Entertainment Marketing **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: None

Students will explore the intriguing world of sports and entertainment industries from the perspective of marketing. The functions of marketing are presented in terms of sports teams, franchises and entertainment promotions. All areas of entertainment including film, theater, music, television, videogames and radio will be explored. Students will also be required to complete projects involving amateur, collegiate and professional levels of sports.

Course: English 10 **1 Term**
Grade: 10 **1 Credit**
Prerequisite: English 9

This course builds upon the foundation of skills in grammar, vocabulary, composition, and appreciation of literature with attention to remediation as needed. The writing of various types of paragraphs and short themes will be emphasized. A research paper will be required. **Tennessee Gateway Exam required.**

Course: Honors English 10 **1 Term**
Grade: 10 **1 Credit**
Prerequisites: English 9 and Teacher recommendation

Focus is placed on both literature and composition. Types of literature include novels, Greek and Shakespearean drama, essays of nonfiction, poetry, and short stories. A five-source research paper and several smaller papers will be required. **Tennessee Gateway Exam required.**

Course: Honors-World Studies/English 10 **2 Terms**
Grade: 10 **1 Credit**
Prerequisites: English 9 and Teacher recommendation

This course is designed for the above average student. World Studies is a 10th grade course which is the second in a series of interdisciplinary Social Studies and English credits. This course is designed to combine the academic interrelation of world history and literature with an emphasis on the relation of written works to the proper historical setting. **Tennessee Gateway Exam required.** H-WS/English 10 is paired with World Studies/World History for both terms. Students earn 1 credit in H-WS/English 10 and 1 credit in World Studies/World History.

Course: English 11 **1 Term**
Grade: 11 **1 Credit**
Prerequisite: English 10

English 11 builds upon the foundation of skills in grammar, vocabulary, composition and literature. This course offers a chronological study of American literature representing the works of American authors ranging in time from colonial days to the modern period. Practice in the practical use of communication skills will be emphasized along with practice in using the principles of the writing process for the TCAP Writing Assessment. A research paper will be required. Summer reading will be tested.

Course: Honors English 11 1 Term
Grade: 11 1 Credit
Prerequisites: English 10 and Teacher recommendation

The focus is on reading (responding to literature through analysis), and research. Designed for the above average student who is college bound, this course offers a wide selection of outstanding literature representing the works of American authors ranging in time from colonial days to the modern period.

Course: Honors- American Studies/English 11 2 Terms
Grade: 11 1 Credit
Prerequisites: English 10 and Teacher recommendation

Designed for the college bound, highly motivated student, this interdisciplinary course features a blend of American literature and American History. The primary focus is on reading and the interpretation of literature. Reading and writing are extensive. H-AS/English 11 is paired with American Studies/US History for both terms. Students earn 1 credit in H-AS/English 11 and 1 credit in American Studies/US History.

Course: Professional English 11 1 Term
Grade: 11 1 Credit
Prerequisites: English 10 and Teacher recommendation

This course is designed for the college bound student with focus on team building, research, and logical thinking skills. From a literary platform, students will launch into interdisciplinary projects that require research, critical thinking and assignments applicable to the work environment. The course pace is rigorous, and it will prepare students with the college and business skills necessary for success, especially in a math or science related major. Research will require APA format and a home computer is recommended, but not required. This course may only be used to satisfy the English 11 credit **OR** the English 12 credit. **Fulfills an Engineering Track English requirement.**

Course: AP English Language & Composition 2 Terms
Grade: 11 2 Credits
Prerequisites: English 10 and Teacher recommendation
Additional Fee: \$82 AP exam fee

Designed for the motivated student looking to do college-level work with literature, the Advanced Placement (AP) course is part of a nationally-recognized program that is respected by the nation's top colleges. This course will engage students in becoming skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts (**cont'd next page**).

Course: Accounting II 1 Term
Grades: 11, 12 1 Credit
Prerequisites: Keyboarding Applications, Accounting I

An advanced course integrating accounting principles in a computerized accounting system.

Course: Business Principles 1 Term
Grades: 10, 11 1 Credit
Prerequisite: None

This course gives students practical, up-to-date business information to help prepare them for their roles as consumers, citizens and wage earners. A broad range of business topics are presented in a non-computer application of study.

Course: Marketing I 1 Term
Grades: 11, 12 1 Credit
Prerequisite: None

This course provides an overview of topics in marketing to prepare students for employment and further studies of marketing, economics, and business. Beginning with the basic economic foundations of marketing, students are prepared to discover the nine functions of marketing: selling, promotion, distribution, risk management, pricing, purchasing, marketing information management, product/service planning and financing.

Course: Marketing II 1 Term
Grades: 11, 12 1 Credit
Prerequisite: Marketing I

Global awareness is not an option but is imperative for today's marketing education student. This course is designed to deepen students' knowledge of marketing through practical applications in a multicultural, multinational business environment

Course: Marketing II/CO-OP 1 Term
Grade: 12 1 Credit
Prerequisites: Marketing I and prior approval. Students must provide their own transportation

This course is a work-based learning component. Co-op is recommended for advanced students. Students can earn up to 2 additional credits by maintaining employment approved by the program manager.

Course: Database Design Management 1 Term
Grades: 10, 11, 12 1 Credit
Prerequisite: Keyboarding Applications

Using Microsoft XP, students will use Microsoft Access to create tables, forms and reports, and search for important information stored in files. Producing colorful charts and solving mathematical problems with functions in Microsoft Excel will comprise the other half of this course.

Course: Web Design Foundations 1 Term
Grades: 11, 12 1 Credit
Prerequisite: Keyboarding Applications

Students will develop concepts and skills directly related to desktop publishing and software applications. In this course students will learn skills needed to search the internet effectively. Students will design web pages, produce projects, graphic portfolios, and performance projects.

Course: Computer Productivity Applications 2 Terms
Grades: 11, 12 2 Credits
Prerequisites: Web Design Foundations and Teacher recommendation

Students will develop concepts and skills directly related to desktop publishing and software applications. In this course, students will learn skills needed to design and create web pages. Students will be directly involved in creating, developing and editing the school web site for publication.

Course: Accounting I 1 Term
Grades: 10, 11, 12 1 Credit
Prerequisite: None

An entry-level course emphasizing basic accounting procedures used to operate a business. Text includes general journal and ledger applications in a non-computer setting.

Course: AP English Language & Composition (cont'd)

Both their writing and reading should make students aware of the interactions among a writer's purpose, audience expectations and subjects, as well as the way generic conventions and the resources of language contribute to the effectiveness in writing. Extensive reading and writing are involved. Students are required to take the AP exam in May. Scores on the AP Exam may be used to obtain credit at many colleges and universities around the country. AP Language & Composition is a full year course. Students receive one credit for English 11 and one elective credit. *Students who are eligible for fee waivers with the school system may be eligible for a fee waiver on the AP exam through the AP Program.*

Course: English 12 1 Term
Grade: 12 1 Credit
Prerequisite: English 11

This course emphasizes basic communication skills. The student is encouraged to read with understanding, write well-organized compositions, and develop an adequate vocabulary. British literature is studied chronologically, and outside readings are assigned each term. A research paper is required.

Course: Professional English 12 1 Term
Grade: 12 1 Credit
Prerequisites: English 11 and Teacher recommendation

This course is designed for the college bound student with focus on team building, research, and logical thinking skills. From a literary platform, students will launch into interdisciplinary projects that require research, critical thinking and assignments applicable to the work environment. The course pace is rigorous, and it will prepare students with the college and business skills necessary for success, especially in a math or science related major. Research will require APA format and a home computer is recommended, but not required. This course may only be used to satisfy the English 11 credit **OR** the English 12 credit. **Fulfills an Engineering Track English requirement.**

Course: AP English Literature & Composition 2 Terms
Grade: 12 2 Credits
Prerequisites: English 11 and Teacher recommendation
Additional Fee: \$82 AP exam fee

Designed for the motivated student looking to do college-level work with literature, the Advanced Placement (AP) course is part of a nationally-recognized program that is respected by the nation's top colleges. Students will look to a variety of novels, plays, poems and short stories in an effort to develop reading and critical thinking skills (**cont'd next page**).

Course: AP English Literature & Composition (cont'd)

Focus is on using student insight on literature. Extensive reading and writing are involved. Students are required to take the AP Exam in May. Scores on the AP Exam may be used to obtain credit at many colleges and universities around the country. AP Literature & Composition is a full year course. Students receive one credit for English 12 and one elective credit. *Students who are eligible for fee waivers with the school system may be eligible for a fee waiver on the AP exam through the AP Program.*

Course: Creative Writing

1 Term

Grades: 11, 12

1 Credit

Prerequisite: None

Students will integrate their own creativity while studying different mediums, purposes and genres of writing. Students will be expected to complete a portfolio that will include various documents ranging from job applications to original poetry. Some of the areas to be included are poetry, advertising, dialogue, short stories, resumes, letter writing and applications (job, college, scholarship).

Course: Photojournalism/Yearbook

2 Terms

Grades: 11, 12

2 Credits

Prerequisite: Signed approval of instructor

This is a course designed to cover all the phases of yearbook journalism, giving students competency in yearbook planning, layout design, copy preparation, sales management, advertising, copy editing, and uses of style and graphics. This course **is not** a substitute for English.

Course: Newspaper/Journalism

2 Terms

Grades: 10, 11, 12

2 Credits

Prerequisite: Signed approval of instructor

Students will develop skills in interviewing, reporting, news writing, and photo composition as they produce the school newspaper, The Talon, every 4-6 weeks throughout the school year. Advertising sales, the use of style and graphics, public relations, and journalistic ethics will also be a part of this hands-on-course. This course **is not** a substitute for English.

Course: Computer-Aided Drafting IV

1 Term

Grade: 12

1 Credit

Prerequisite: CAD III AND Instructor Approval

This is a continuation of CAD III with an emphasis on different software and drafting applications. High levels of critical thinking and reasoning skills are essential. Course content emphasizes the integration of academic subjects such as English and Geometry. Math skills are a must. Membership in SkillUSA is encouraged. **Engineering Track elective.**

Course: Principles of Engineering

1 Term

Grades: 10, 11

1 Credit

Prerequisite: CAD I

This course is designed for students to explore the nature of engineering and the skills fundamental to all engineering fields. Emphasis is placed on actual projects and presentations allowing for the integration of academic subjects such as English and Mathematic. Membership in SkillUSA is encouraged. **Engineering Track requirement.**

Course: Keyboarding Applications

1 Term

Grades: 9, 10, 11

1 Credit

Prerequisite: None

The objective of this class is to give students keyboarding, word/data processing, and on-line computer skills that will serve them throughout their school years, in their personal lives and in their careers. Using electronic software, emphasis is placed on using the correct techniques to master the keyboard, which includes the alphabet, numbers, symbols, punctuation and the 10-key numeric keypad keys. Membership in Future Business Leaders of America (FBLA) is encouraged.

Course: Desktop Publishing

1 Term

Grades: 10, 11, 12

1 Credit

Prerequisite: Keyboarding Applications

This course prepares students for advanced Word Processing Skills using Word XP. Students will do many creative activities in Word. Students will also learn to do desktop presentations using Power Point XP. During the second nine-weeks, students use Microsoft Publisher 2003 to create newsletters, brochures, letterheads, business forms with tables, business cards, a twelve month calendar with scanned family pictures and other publications. This course also includes a Leadership Project that students will work on during the 18 week period. Membership in FBLA is encouraged.

MATHEMATICS

CAREER AND TECHNOLOGY

Courses selected from this section will fulfill the requirements of vocational electives for those students who elect to graduate on the Technical Path.

Course: Computer-Aided Drafting I (CAD I) 1 Term
Grades: 10, 11 1 Credit
Prerequisite: Algebra I

This is a course designed to introduce the student to the manufacturing industry's drafting standards. The learner will use a drawing board and the industry's standard software to draw basic and advanced geometric shapes using proper procedures and line types. Course content emphasizes the integration of academic subjects such as English and Geometry. Math skills are a must. This course is intended for the student who is seriously considering a career in engineering, architecture or any type of drafting. Membership in SkillUSA is encouraged. This class utilizes a performance-based curriculum. **Engineering Track requirement.**

Course: Computer-Aided Drafting II (CAD II) 1 Term
Grades: 11, 12 1 Credit
Prerequisite: CAD I

This is a continuation of CAD I with an emphasis on advanced software commands and methods of drafting. High levels of critical thinking and reasoning skills are essential. Course content emphasizes the integration of academic subjects such as English and Geometry. Math skills are a must. Membership in SkillUSA is encouraged. **Engineering Track requirement.**

Course: Computer-Aided Drafting III (CAD III) 1 Term
Grades: 11, 12 1 Credit
Prerequisite: CAD II

This is a continuation of CAD II with an emphasis on Architectural drafting and 3-dimensional modeling. High levels of critical thinking and reasoning skills are essential. Course content emphasizes the integration of academic subjects such as English and Geometry. Math skills are a must. Membership in SkillUSA is encouraged. **Engineering Track requirement.**

Course: Algebra I (Freshman Academy) 2 Terms
Algebra I 1 Term
Grades: 9, 10, 11, 12 1 Credit
Prerequisite: None

This course will provide the student with an understanding of the language, notation, and application of algebraic skills. Topics include linear and quadratic functions, exponents and radicals, polynomials, rational expressions, probability and statistics. **Tennessee Gateway Exam required.**

Course: Geometry (Freshman Academy) 2 Terms
Geometry 1 Term
Grades: 9, 10, 11, 12 1 Credit
Prerequisite: Algebra I

This course includes an emphasis on two and three-dimensional concepts. Topics include lines, planes, polygons, polyhedra, congruency, similarity, right angles, circles, cones, cylinders, spheres, coordinate geometry, and inductive and deductive reasoning. **Graduation requirement**

Course: Geometry A Fall Term
Grades: 10, 11 1 Credit
Prerequisite: Algebra I and Teacher Recommendation

This is a non-freshman Geometry course. This course will emphasize points, lines, planes, inductive and deductive reasoning, similarity, triangles and quadrilaterals. Students earn 1 elective credit for successful completion of Geometry A. Students must continue and take Geometry B the second term in order to satisfy the credit requirement in Geometry.

Course: Geometry B Spring Term
Grades: 10, 11 1 Credit
Prerequisite: Geometry A

This is a non-freshman Geometry course. This course immediately follows Geometry A. This course will emphasize polygons, circles, trigonometry, area, volume and coordinate geometry. Successful completion of this course will satisfy the credit requirement in Geometry.

Course: Honors Geometry **2 Terms**
Grade: 9 **1 Credit**
Prerequisites: "B" average in Algebra I , Advanced Level on Algebra Gateway Exam and Teacher recommendation

This course includes an emphasis on two and three-dimensional concepts. Topics include lines, planes, polygons, polyhedra, congruency, similarity, right angles, circles, cones, cylinders, spheres, coordinate geometry, and inductive and deductive reasoning. **The instructional pace is faster than that of Geometry.**

Course: Algebra II **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: Geometry

This course extends the concepts and applications of the algebraic process. Major topics include: complex numbers, relations and functions, exponents and logarithms, quadratic relations, systems of equations and inequalities, probability and statistics.

Course: Honors Algebra II **1 Term**
Grade: 10 **1 Credit**
Prerequisites: Honors Geometry and Teacher recommendation

This course extends the concepts and applications of the algebraic process. Major topics include: complex numbers, relations and functions, exponents and logarithms, quadratic relations, systems of equations and inequalities, probability and statistics. **The instructional pace is faster than that of Algebra II**

Course: Advanced Algebra & Trigonometry **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: Algebra II

Topics include: functions and graphs, polynomials and rational functions, trigonometry, triangle applications, exponents and logarithmic functions, matrices, complex numbers, and conic sections. This course will improve math skills so that students could select Honors Pre-Calculus as their next course. Review of Algebra I, Geometry and Algebra II will provide students the opportunity to review for ACT assessments.

Course: Theater Arts I **1 Term**
Grades: 9, 10, 11 **1 Credit**
Prerequisite: None

This course will introduce students to basic acting skills, play writing, theater history and plays. Students will become acquainted with the basic elements of stagecraft. Other performing arts, such as film and musical theater, will be covered.

Course: Theater Arts II **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: Theatre Arts I

This course is an in-depth study of acting, theater history, playwrights and plays. In this class, all aspects of producing a play will be stressed.

Course: Theater Arts III **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisite: Theater Arts II

This course will focus on performance. Students will produce, direct and perform "completion type" one act and/or three and four act pieces. Students will work with lighting and make-up techniques. More emphasis will be placed on competitive areas such as forensics and dramatic interpretations.

Course: Varsity Band 2 Terms
Grades: 9, 10, 11, 12 2 Credits
Prerequisite: Signed approval of the Band Director

This course stresses the reading of music, music theory, music history and marching fundamentals. Concentration is centered on a high level of performance. After school rehearsals and performances are required.

Course: General Music 1 Term
Grades: 9, 10, 11 1 Credit
Prerequisite: None

This course is an introduction of music notations, which includes a study of the various periods of music and helps the student to develop an appreciation for music as well as listening skills. Students will write essays and present oral presentations.

Course: Beginning Choir 1 Term
Grades: 9, 10, 11 1 Credit
Prerequisite: None

Students sing music from various periods and genres. Basic sight-singing skills and beginning music theory are learned. This class is a prerequisite to concert choir. This is a performance-based class. No audition required.

Course: Concert Choir 2 Terms
Grades: 10, 11, 12 2 Credits
Prerequisite: Audition, signed approval of the Choral Director

This course is for the advanced music student. Advanced sight-singing and music theory are learned. Students sing music from various periods and genres. This is a performance-based class. After school rehearsals and concerts are required. Open to SATB voices.

Course: Algebra II - Engineering 1 Term
Grades: 10, 11, 12 1 Credit
Prerequisites: Geometry and Teacher recommendation

This course extends the concepts and applications of the algebraic process. Major topics with a focus on the engineering include: complex numbers, relations and functions, exponents and logarithms, quadratic relations, systems of equations and inequalities, probability and statistics. Students will develop interdisciplinary projects within the MEST Academy—Engineering track.
Fulfills an Engineering Track math requirement.

Course: Honors Algebra II - Engineering 1 Term
Grades: 10, 11 1 Credit
Prerequisites: Honors Geometry and Teacher recommendation or a 90 or higher in Geometry and Teacher recommendation

This course extends the concepts and applications of the algebraic process. Major topics with a focus on engineering include: complex numbers, relations and functions, exponents and logarithms, quadratic relations, systems of equations and inequalities, probability and statistics. The instructional pace is faster than that of Algebra II. Students will develop interdisciplinary projects within the MEST Academy—Engineering track. **Fulfills an Engineering Track math requirement.**

Course: Honors Pre-Calculus – Engineering 1 Term
Grades: 11, 12 1 Credit
Prerequisites: Honors Algebra II or Teacher recommendation

This course will emphasize the interrelationship of various fields of mathematics. Topics with a focus on engineering include: functions and graphs, polynomials and rational functions, trigonometry, triangle applications, vectors, exponents and logarithms functions, systems of equations, matrices, polar coordinates, complex numbers, sequences, and conic sections. Students will develop interdisciplinary projects within the MEST Academy—Engineering track.
Fulfills an Engineering Track math requirement.

Course: Honors Pre-Calculus 1 Term
Grades: 11, 12 1 Credit
Prerequisite: Advanced Algebra & Trigonometry or Honors Algebra II

This course will emphasize the interrelationship of various fields of mathematics. Topics to be included are: functions and graphs, polynomials and rational functions, trigonometry, triangle applications, vectors, exponential and logarithmic functions, systems of equations, matrices, polar coordinates, complex numbers, sequences, and conic sections.

Course: ACT/Senior Math 1 Term
Grade: 12 1 Credit
Prerequisite: Algebra II

This course will review pre-algebra, Algebra I, Algebra II and Geometry. Test-taking techniques and practice ACT assessments will be presented. The goal of this course is to review math skills before college and to increase students' ACT math scores.

Course: Honors Calculus 1 Term
Grade: 12 1 Credit
Prerequisite: Honors Pre-Calculus

This course will provide an understanding of calculus and analytic geometry and their applications. Topics include: limits, derivatives and integrals of algebraic, trigonometric, exponential and logarithmic functions, applications of derivatives, techniques of integration, applications of integration, differential equations, and infinite series and sequences

Course: Honors Statistics 1 Term
Grade: 12 1 Credit
Prerequisite: Advanced Algebra & Trigonometry or Honors Pre-Calculus

Statistics is an advanced mathematics course that uses meaningful problems and appropriate technologies to use statistical concepts developed in previous courses to develop more advanced means of statistical analyses, interpretations and predictions.

Course: Advanced Visual Art (Art III/IV) 2 Terms
Grades: 10, 11, 12 2 Credits
Prerequisites: Art II and signed approval of instructor

This course stresses the ability of the student to explore the arts and begin to develop his/her own personal style. Students must be able to work more independently and show a higher level of understanding of the elements and principles of art, techniques and media used. Advanced Visual Art (III/IV) is a combined class, with higher expectations of the Art IV student. There is a materials/supply fee or students may opt to purchase materials/supplies on their own.

Note: Students may take Advanced Visual Art as a year long course OR take Visual Art III and/or Visual Art IV as single term (1 credit) courses.

Course: Advanced Placement (AP) Studio Art 2 Terms
Grades: 11, 12 2 Credits
Prerequisite: Art II and signed approval of the instructor
Additional Course Fee: \$82 AP exam fee

This is equivalent to an entry-level college course. The emphasis in this course centers on the further development of students' individual creative skills. Students draw from their personal experiences to create art work geared toward the AP Studio Art Portfolio. Two-dimensional and three-dimensional design will be investigated. College credit may be earned by submitting a passing AP Portfolio through the College Board. *Students who are eligible for fee waivers with the school system may be eligible for a fee waiver on the AP exam through the AP Program.*

Course: Colorguard 1 Term
Grades: 10, 11, 12 1 Credit
Prerequisite: Audition and signed approval of the Band Director

This class will study movement and dance as it relates to visual enhancement of music. All members will participate in the dance and visual ensemble. This group will participate with the marching band after school in conjunction with this class. After school rehearsals and performances are required.

FINE ARTS

Course: Intro to the Arts **1 Term**
Grade: 9 **1 Credit**

Prerequisite: None

A general introduction to Art, Drama and Music will be given to familiarize students with the different areas in Fine Arts. Students will take Art for 6 weeks, Drama for 6 weeks and Music for 6 weeks. At the end of the semester all three sections of the class may collaborate in a performance or showcase. This course will satisfy the Fine Arts graduation requirement, or it may be used as the first course in a Fine Arts Major sequence (Single Path Requirement).

Course: Art History **1 Term**
Grades: 10, 11, 12 **1 Credit**

Prerequisite: None

This course explores the history of art from Prehistoric Art up to Modern Art. Artists, art movements, styles of art and how they relate to history and various cultures are examined. Students learn to appreciate the arts through the critique process of description, analysis, interpretation and judgment. A research project will be done at the end of the course.

Course: Visual Art I **1 Term**
Grades: 9, 10, 11 **1 Credit**

Prerequisite: None

This is an introduction to the visual arts course in which students explore different media and applications of art. The emphasis of the course centers on the basic techniques of two and three dimensional design and art history. There is a materials/supply fee **or** students may opt to purchase materials on their own.

Course: Visual Art II **1 Term**
Grades: 10, 11, 12 **1 Credit**

Prerequisite: Art I and signed approval of instructor

The emphasis of the course is on the creative application of knowledge gained in Art I. Students are required to use a higher level of technical skills in the application and techniques of the various media. Art history is also incorporated into the course of study. There is a materials/supply fee **or** students may opt to purchase materials on their own.

SCIENCE

Course: Physical Science (Freshman Academy) **2 Terms**
Physical Science **1 Term**
Grades: 9, 10, 11 **1 Credit**
Prerequisite: None

This is an introductory course to the fields of chemistry and physics. The major emphasis is on the practical uses of chemistry and physics in everyday life. An end-of-course test is required.

Course: Environmental Science **2 Terms**
Grade: 9 **1 Credit**

Prerequisite: Physical Science

This is a course in which students will explore many of the more complex principles of how all life is interconnected. Specifically, the central focus of the class is how humans have impacted all aspects of the environment, what the effects of those actions have been and what can be done about those effects. The curriculum is based on Tennessee state standards.

Course: Conceptual Physics **2 Terms**
Grade: 9 **1 Credit**
Prerequisites: Algebra I, Physical Science

This is a basic physics class which provides students with application of concepts. The class is designed to help students manipulate and understand the mathematical properties related to physics concepts.

Course: Biology **1 Term**
Grades: 10, 11 **1 Credit**
Prerequisite: Physical Science

This course will emphasize the Tennessee Gateway standards which include the following topics: cells, interaction, photosynthesis, respiration, genetics and biotechnology, and diversity and biological evolution. Scientific method will be used in all laboratory activities. **Tennessee Gateway Exam required.**

Course: Honors Biology **1 Term**
Grade: 10 **1 Credit**
Prerequisites: Algebra I, Physical Science and Teacher recommendation

This course is a more challenging course that will cover the TN biology standards including concepts of cell biochemistry, cell processes, heredity, natural selection, environmental issues and diversity. There is an emphasis on critical thinking skills and problem solving abilities. To earn three extra points added to the course average, students will have assessments beyond those required in a non-honors course. These additional multiple assessments will include such things as open-ended investigations, research based writing assignments, integration of technology, problem solving with an emphasis on critical thinking and one science related novel. **Tennessee Gateway Exam required.**

Course: Chemistry I **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisites: Algebra I, Biology

This course explores the properties of matter and energy, and involves the concepts that include: Stoichiometry, gas laws, chemical reactions, periodic tables, acid and bases and solutions. Math skills are important for success in this course. State standards are followed.

Course: Honors Chemistry I **1 Term**
Grades: 11, 12 **1 Credit**
Prerequisites: Algebra I, Biology and Teacher recommendation. Geometry recommended

This is a challenging course for students with a high interest in science. This course is designed to explore chemistry in greater depth than in a non-honors course. It is a college preparatory course where math processes are stressed. There will be an emphasis on the atomic theory, chemical families, chemical bonding models, molecular composition and structure, formula and equation writing, equilibrium and energy relationships. To earn three extra points added to the course average, students will have assessments beyond those required in a non-honors course. These additional multiple assessments will include such things as performance-based tasks, critical thinking exercises and inquiry labs, integration of technology, and authentic products (multi-media, electronic or print).

Course: Honors Advanced German **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: German II and Teacher recommendation

This course is a survey of German literature, featuring authors from Goethe and Schieller to modern writers such as Grass and Boll. It also includes a review of grammar structures and further development of composition and conversation skills.

Course: Spanish for Spanish Speakers I 1 Term
Grades: 9, 10, 11, 12 1 Credit
Prerequisite: Fluent in spoken Spanish

This course is designed for fluent Spanish speakers who want to complete their foreign language graduation requirement in Spanish. Students should pre-register for both levels of this class in a single academic year. Students can choose to take this class, or faculty members can refer them. This class will be taught entirely in Spanish and will concentrate on the development of skills in various forms of writing, critical thinking and analysis of literature, as well as sound knowledge of Spanish grammar and punctuation. This course also provides an opportunity to study the cultures of all Spanish-speaking countries. Very serious Spanish students who go through the traditional program (Spanish I, II, Adv. A, and Adv. B) could take this class as an elective.

Course: Spanish for Spanish Speakers II 1 Term
Grades: 9, 10, 11, 12 1 Credit
Prerequisite: Spanish for Spanish Speakers I

This course builds upon the foundation of skills in grammar, composition, literary analysis, and cultural studies of Spanish-speaking countries. The writing of various types of paragraphs and short themes in Spanish will be emphasized. A research paper in Spanish will be required.

Course: German I 1 Term
Grades: 9, 10, 11 1 Credit
Prerequisite: None

This course provides an exciting introduction to the German language and culture. Conversational German and grammatical structure are emphasized with some attention to German Culture.

Course: German II 1 Term
Grades: 9, 10, 11, 12 1 Credit
Prerequisite: German I

This course continues the discovery of the German people and their language. Conversation, reading, writing, and a more intense study of grammatical structures will be emphasized.

Course: Honors Chemistry II 1 Term
Grades: 11, 12 1 Credit
Prerequisites: Honors Chemistry I and Teacher recommendation

Honors Chemistry II is a continuation of Honors Chemistry I, but it investigates in greater depth the fundamental makeup of matter, the interactions of matter and the energy of such interactions. Students will extend their investigation of atomic theory, chemical bonding, nuclear chemistry and kinetic molecular theory explanations of solid, liquid, gas and solution phenomena. Other topics include types of reactions, stoichiometry, equilibrium phenomena, kinetics and thermodynamics of chemical reactions. To earn three extra points added to the course average, students will have assessments beyond those required in a non-honors course. These additional multiple assessments will include such things as real world projects, open-ended investigations, a variety of writing assignments, integration of technology and problem solving with an emphasis on critical thinking.

Course: AP Physics 1 Term
Grade: 12 1 Credit
Prerequisites: Honors Pre-Calculus and Teacher recommendation
Additional Fees: \$82 AP exam fee

AP Physics guidelines as provided by College Board. Students will use various experiences from reading to lab work to problem solving in order to learn about Physics. A strong mathematical background is important for success in this course. Preparation for the AP Physics exam will be paramount in this course. *Students who are eligible for fee waivers with the school system may be eligible for a fee waiver on the AP exam through the AP Program.*

Course: Human Anatomy and Physiology 1 Term
Grade: 12 1 Credit
Prerequisites: Biology, Chemistry I and Teacher recommendation

This course is a very challenging senior science course. There is an in-depth study of the human body with emphasis placed on the anatomy and physiology of the major body systems. Lab dissection involves the cat and comparison of the anatomy of the cat with the human. There is extensive time in lab studying tissues, muscles, and bones.

Course: Ecology **1 Term**
Grade: 12 **1 Credit**
Prerequisites: Biology, Chemistry I

This course is designed to promote a better understanding of the environment and the role that mankind plays in it. It is for the purpose of building a basic background for understanding energy, resources and environmental benefits and problems.

Course: Aquatic Biology **1 Term**
Grade: 12 **1 Credit**
Prerequisites: Biology, Chemistry I

This course offers the student a study of freshwater and marine ecosystems. The topics covered include water quality, habitats, organisms, and environmental problems both man-made and natural.

Course: Spanish I **1 Term**
Grades: 9, 10, 11 **1 Credit**
Prerequisite: None

This course explores the Spanish spoken in Spain and in Central and South America. Emphasis is on building vocabulary, conversational expressions, and simple grammatical structures. Spanish and Hispanic cultures will also be studied.

Course: Spanish II **1 Term**
Grades: 9, 10, 11, 12 **1 Credit**
Prerequisite: Spanish I

This course develops the speaking, listening, reading, and writing skills begun in level one. More complex grammatical structures and verb tenses are a part of this curriculum. Study of Spanish-speaking cultures is continued.

Course: Honors Advanced Spanish A **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: Spanish II and Teacher recommendation

Offered **first term**, this course extends continued experiences with learning Spanish. Vocabulary, language structure and cultural lessons will be taught mainly through mini-stories, extended readings and through at least one short Spanish novel. Various verb tenses and other grammatical structures too complex for the first two levels of Spanish will be presented.

Course: Honors Advanced Spanish B **1 Term**
Grades : 10, 11, 12 **1 Credit**
Prerequisite: Spanish II and Teacher recommendation

Offered **second term**, this course also extends continued experiences with learning Spanish. Vocabulary, language structure and cultural lessons will be taught using **different** mini-stories, extended readings and a **different** Spanish novel than what are used in Advanced Spanish A. Complex language structure will be taught through this **different** Spanish literature.

Note: Students taking **both** Advanced Spanish A and Advanced Spanish B can earn 2 more credits of Spanish beyond Spanish I and Spanish II.

FOREIGN LANGUAGE

The foreign language department offers elementary, intermediate and advanced courses in French, Spanish and German. Students on the University Path and the Single Path must have two units of credit in the same foreign language to meet graduation requirements.

Course: French I **1 Term**
Grades: 9, 10, 11 **1 Credit**
Prerequisite: None

This course is an introduction to the language and culture of the French-speaking countries. Conversational French and simple grammatical structures are studied at this level. A limited number of verb tenses will be explored.

Course: French II **1 Term**
Grades 9, 10, 11, 12 **1 Credit**
Prerequisite: French I

This course continues the study of the French-speaking people, their language, culture, and history. More intense reading, writing, speaking and listening activities are expected of students at this level. Additional verb tenses and more complex grammatical structures are a part of the curriculum.

Course: Honors Advanced French **1 Term**
Grades: 10, 11, 12 **1 Credit**
Prerequisite: French II and Teacher Recommendation

This course provides an expansion of the literary, historical and cultural studies begun in French I and II. Oral presentations, conversational skills, longer reading passages and advanced writing skills are expected of students at this level. Remaining verb tenses and grammatical structures are completed. Credit can be received for French III or French IV.

SOCIAL STUDIES

Course: World History (Freshman Academy) **2 Terms**
World History **1 Term**
Grades: 9, 10 **1 Credit**
Prerequisite: None

Students will explore the major civilizations of the past which have laid the foundations for modern society. Students will have the opportunity to develop critical thinking skills as they confront various historical interpretations and discover causes of present issues.

Course: Honors-World Cultures/World Geography **2 Terms**
Grade: 9 **1 Credit**
Prerequisite: Teacher recommendation

First in a series of interdisciplinary Social Studies and English courses, this course combines the academic interrelation of world geography and literature with a multicultural perspective. Course design is for the above average student. Extensive reading is required. H-WC/World Geography is paired with H-WC/English 9 for both terms. Students earn 1 credit in AH-WC/English 9 and 1 credit in H-WC/World Geography.

Course: World Geography **1 Term**
Grades: 9, 10, 11, 12 **1 Credit**
Prerequisite: None

This course is a study of the world's major countries and cultural regions. Students will learn and use the ideas, skills and perspectives of geography. This course involves the study of land, people, and their relationships to the land.

Course: Honors-World Studies/World History **2 Terms**
Grade: 10 **1 Credit**
Prerequisite: Teacher Recommendation

Second in a series of interdisciplinary Social Studies and English courses, this course combines the academic interrelation of world history and literature with an emphasis on the relation of written works to the proper historical setting. Course design is for the above average student. Extensive reading is required. H-WS/World History is paired with H-WS/English 10 for both terms. Students earn 1 credit in H-WS/English 10 and 1 credit in H-WS/World History.

Global Studies Academy Required Courses

Course: Foundations of Global Studies
Grade: 10
Prerequisite: None

Fall Term
1 Credit

This is the beginning course for all sophomores in the Global Studies Academy but is also open to any student who is interested in researching the role that the United States plays in our global community. Students will research the following units: The United Nations, protocol of Model UN, the United States' role in today's world, Foreign Aid (U.S. priorities, policies and practices), U.S. Trade Policy (competing in a global economy), immigration throughout the world, Global Environmental problems and worldwide genocide. Students will interact via discussions, Socratic seminars, projects, debates and varied readings. Priority is given to Global Studies Academy students and class size is limited.

Course: Contemporary Global Issues
Grade: 10
Prerequisite: Foundations of Global Studies

Spring Term
1 Credit

This required course for all sophomores in the Global Studies Academy is offered as a follow-up to the Foundations of Global Studies course. However, it is also open to any student who is interested in researching topics from around the globe and the impact that they have on us as Americans. Students will research the following units: the colonization of Brazil, the Russian Revolution and future, China as the next world power, India and Pakistan (two nuclear powerhouses), imperialism in Africa, the AIDS epidemic, South Africa and apartheid, Mexico at the crossroads, balancing U.S. interests in the Middle East and the War on Terrorism. Students will interact via discussions, Socratic seminars, projects, debates and varied readings. Priority is given to Global Studies Academy students and class size is limited. All GSA students are required to participate in at least one of the following extra-curricular activities: Model UN, FBLA, Youth Legislature or Mock Trial. GSA students have the opportunity to visit Washington DC and multiple embassies as an extension of their global experience.

Course: Economics
Grade: 12
Prerequisite: None

9 weeks
1/2 Credit

This is a nine week course which is paired with US Government, and is a requirement for graduation. As students compare and contrast various economic systems, they prepare themselves to function as consumers in the American free-enterprise system, and they have the opportunity to apply the specific method of forming and testing hypotheses to find answers to economic problems

Course: United States Government
Grade: 12
Prerequisite: None

9 weeks
1/2 Credit

This is a nine week course which is paired with Economics, and is a requirement for graduation. It offers students the opportunity to understand the institutions that affect our daily lives. Students will study the political and legal processes of American government and become better prepared to assume the responsibilities that come with living in a democratic society.

Course: AP European History
Grades: 10, 11, 12
Prerequisite: Teacher recommendation (English or Social Studies)
Additional Course Fee: \$82 AP exam fee

1 Term
1 Credit

This course is taught according to the AP European History guidelines provided by the College Board. It covers the political and social history of Europe from the late Middle Ages through modern Europe. An appropriate score on the Advanced Placement Exam will give college credit for the European History course at many colleges. The course requires outside reading, research, and writing. Students must have above-average skills in reading and writing. *Students who are eligible for fee waivers with the school system may be eligible for a fee waiver on the AP exam through the AP Program.*

Course: Psychology
Grades: 11, 12
Prerequisite: None

1 Term
1 Credit

This course investigates approaches to the study of the human mind, the effects of heredity and environment on the individual, sensation and perception, conditioning, memory and abnormal psychology. Students will gain an understanding of psychological concepts, processes, and theories and will be able to use basic psychological terminology.

Course: Sociology
Grades: 10, 11, 12
Prerequisite: None

1 Term
1 Credit

This course explores general topics dealing with the study of people and their lives in groups. Topics include roles and relationships, functions of major social institutions, and the problems and issues that confront society.

Course: American Business And Legal Systems
Grades: 10, 11, 12
Prerequisite: None

1 Term
1 Credit

This course is designed to acquaint students with the laws that regulate business practices. Students will focus on decision making skills. They will learn skills necessary to operate and work in corporate business.

Course: Bible History I/II (Old Testament/New Testament)
Grades: 9, 10, 11, 12
Prerequisite: None

1 Term
1 Credit

This is a historical survey of ancient history as seen from the point of view of the Hebrew people from the creation in Genesis to the return from Babylonian captivity. These courses also include a historical survey of the first century beginning with the birth of Christ and follows the lives of the Apostles to the close of the century. In Bible History II, there is a more in-depth study of the people and events. This course will also include a comparative study of other ancient religions of the era. Students can earn 1 credit in Old Testament and 1 credit in New Testament.

Course: Contemporary Issues
Grades: 10, 11, 12
Prerequisite: None

1 Term
1 Credit

A social studies elective course designed to explore current events at both the local and national level. The course is designed to incorporate a seminar/discussion format with hands on projects in the local community. Guest speakers and field trips will supplement the curriculum, which focuses on various social, cultural, political and environmental issues.

Course: Leadership
Grades: 11, 12
Prerequisite: Application only

1 Term
1 Credit

This course is designed for rising juniors and seniors who have demonstrated positive leadership skills at Ooltewah HS and are interested in organizing and developing school and community service projects. Traditionally, student council officers and class presidents are asked to apply for this class as well as those students interested in displaying their leadership skills. Students must be willing to participate in activities held before and after school hours. Students who apply for this course in the spring must have a good attendance record and have no disciplinary actions against them. Applications are screened by a panel of teachers.