



# WEST ESSEX REGIONAL SCHOOL DISTRICT

## High School Elective Courses for 2012-2013

The West Essex Regional School District, a New Jersey Star School District, prides itself in the variety of elective courses offered to students. From classes in creative writing to astronomy to wood shop, the District offers numerous electives that enable students to expand their horizons and explore more advanced areas of study, including Advanced Placement. Below is a list of the elective courses offered to students for the 2012-2013 school year, listed by Department.

### English Electives:

**Reading for the Young Adult CPA (grades 9-10):** This course engages students in reading books of high interest and in learning about books through discussion, letters, journals, and projects. Students will self select books to read, and will work towards the completion of short compositions and creative projects to highlight their favorite selections. (Prerequisite: None)

**Public Speaking CPA (grades 9-10):** This course engages students in different types of public speaking such as interpretive reading, declamation, original oratory, extemporaneous, and debates. The performance course prepares students to speak for a variety of audiences, with emphasis on enunciation, eye contact, body language, pronunciation, expression, and selection of topics. (Prerequisite: None)

**Expository Writing and Visual Media CPA (grades 9-10):** Students will analyze the elements, genres, and language of the film industry, study film, and explore the opinions of others in this writing intensive course. Expectations include the completion of up to ten formal essays and the production of a short film. (Prerequisite: None)

**Introduction to Creative Writing CPA (grades 9-10):** Students will be asked to respond to a variety of exercises to write creatively in various forms. Students will be expected to write and to share their work openly with the class, and to comment and constructively criticize their own work and the work of others. (Prerequisite: None)

**Creative Writing I CPA (grades 10-12):** This course is organized as a workshop and a portfolio of work is produced. Additionally, students are encouraged to publish their work in the school's literary magazine, *The Roundtable*. (Prerequisite: None)

**Creative Writing II CPA (grades 10-12):** Students will refine and polish their work begun in Creative Writing I. Students' work is critiqued in a workshop setting and students are encouraged to publish their work in the school's literary magazine, *The Roundtable*. (Prerequisite: Creative Writing I.)

**Journalism I CPA (grades 9-11):** Serving as an introduction to journalistic writing in all forms, this class will ask students to analyze news in a variety of mediums and to analyze what makes something newsworthy. Students are introduced to the process of newspaper publication in preparation for full year, upper-level Journalism courses. Students will learn basic skills in Adobe layout and photo editing programs such as Pagemaker, Photoshop, and InDesign. (Prerequisite: None)

**Journalism II Honors (grades 10-12):** The class is conducted as a workshop, so that all students develop skills in both writing and editing. The instructor works individually with each student on writing assignments. Students also learn layout and print production programs such as Pagemaker, Photoshop and InDesign and assist in the production of the *Wessex Wire*. (Prerequisite: Journalism I)

**Journalism III Honors (grades 11-12):** Students are responsible for gathering news and reporting it in the *Wessex Wire*. These advanced students act as the staff editors for the school paper. Additional time outside of class is required to produce the school's extra-curricular publication. (Prerequisite: Journalism II Honors)

**Theatre Arts CPA (grades 9-12):** Students will work on their own and with others in this performance based class to understand and implement the many areas of theater, including acting, directing, costume design, stage makeup, lighting design, set design, and script writing. (Prerequisite: None)

**Media Production (grades 10-12):** Students in this full year course will have the opportunity to experience all forms of media-broadcast journalism, radio, television, and video production – not only in the technical aspect, but also at the performance level. Students will learn how to use the necessary equipment, and how to create and edit their own film shorts. Student produced events will be considered for broadcast on MSG Varsity Cable T.V. or online. (Prerequisite: None)

**SAT Preparation Course (grades 11-12):** This course, graded Pass/Fail, and not included in GPA calculations, is designed to facilitate an improved understanding of the requirements of the Scholastic Aptitude Test offered by the College Board. Students will learn approaches to answering questions in all three sections - critical reading, mathematics, and writing, to help students be more comfortable and confident when taking the test. (Prerequisite: None)

## Mathematics Electives:

**Computer Science I CPA (grades 10-12):** Computer Science I is designed to teach the fundamental concepts of computer programming using the Visual Basic language. During the course, students will apply different features and capabilities of the Visual Basic language to applications. This is achieved through a wide variety of projects for students where the area of application and level of difficulty is varied. Students will develop skills in problem solving, effective communication, and critical thinking. Creativity and independence are important aspects to success in this course. (Prerequisite: Algebra I CPA)

**Computer Science II CPA (grades 10-12):** Computer Science II is designed to use the Java language to build on the concepts of object-oriented programming developed in Computer Science I. During the course, students will apply different features and capabilities of the Java language to applications. This is achieved through a wide variety of projects for the students where the area of application and level of difficulty is varied. Due to the nature of the work involved in writing, running, and debugging programs, students will continue to develop skills in information gathering and analysis, problem solving, effective communication, and critical thinking. Creativity and independence are important aspects to functioning successfully in this course. (Prerequisite: Computer Science I CPA.)

**AP Computer Science (grades 11-12):** This is a college level course in computer science taught at an accelerated pace in preparation for the AP Examination in Computer Science, which **may** result in one semester of college credit. This course emphasizes object-oriented programming methodology with a concentration in problem solving and algorithm development. The students will learn to design and implement computer-based solutions to problems in a variety of application areas, code fluently in Java, and develop and select appropriate algorithms and data structures to solve problems. The completion of a summer assignment is required. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisite: Computer Science II CPA.)

**Probability and Statistics CPA (grades 11-12):** Probability and Statistics is an introduction to probability theory and basic statistical concepts and techniques. Students will investigate basic probability concepts, as well as different ways to organize, represent, describe, and analyze data. This course develops an appreciation for, and skill in, applying statistical techniques. Practical examples based on real experimental data are used throughout. (Prerequisite: Algebra II CPA and teacher recommendation.)

**AP Statistics (grades 11-12):** This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data, in preparation for the AP Examination in Statistics. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Those students intending to major in psychology, sociology, health sciences, or business may wish to consider taking this course. Those intending to major in the sciences, engineering, mathematics, or computer science will find this course to be an effective preparation for the upper level calculus based statistics course that they will take in college. The completion of a summer assignment is required. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisites: Algebra II Honors or Algebra II CPA and teacher recommendation.)

**SAT Preparation Course (grades 11-12):** This course, graded Pass/Fail, and not included in GPA calculations, is designed to facilitate an improved understanding of the requirements of the Scholastic Aptitude Test offered by the College Board. Students will learn approaches to answering questions in all three sections - critical reading, mathematics, and writing, to help students be more comfortable and confident when taking the test. (Prerequisite: None)

## **Business Electives:**

**Technology Applications CPA (grades 9-12):** Students in this course receive in-depth training in the Microsoft Office Suite of Programs. The students expand their skills and knowledge in Word, Access, Excel, and PowerPoint. As a result of this training, students will be prepared to take the Microsoft Office Specialist Certification (MOS) exams in any of the programs. MOS certification is the globally recognized standard for validating expertise with the Microsoft Office Suite of programs. This course is strongly recommended as the fundamental computer technology course for students. (Prerequisite: None)

**Personal Finance CPA (grades 9-12):** This semester course will address financial literacy and help students learn how to make informed decisions for financial security now and in the future as well as learn how their decisions impact local and global communities. Students will apply the principles of planning personal finances, banking and credit, saving and investing financial resources as well as protecting their finances. They will understand how to create a financial plan for their college and future plans. This course will fulfill a new State semester course requirement for Personal Financial Literacy with the class of 2014. (Prerequisite: None)

**Financial Accounting Honors (grades 10-12):** This rigorous course is equivalent to Accounting 101 at the college level. Topics include the conceptual basis of accounting, reporting process, accounting cycle, merchandising operations, internal control, accounting for inventory, plant and equipment, and current liabilities. An analysis of financial statements is an important aspect of this course. This course will fulfill a new State semester course requirement for Personal Financial Literacy with the class of 2014. (Prerequisite: Algebra 1 CPA with a grade of B+ or higher and Technology Applications is recommended.)

**Accounting I CPA (grades 10-12):** This course provides students with an excellent foundation for the advanced study of accounting, while giving them the skills necessary for an entry-level position in the field. A hands-on approach using financial statements, journals, ledgers, checks, and related business forms allows students to apply accounting procedures and business concepts. (Prerequisite: None)

**Virtual Business CPA (grades 10-12):** This is a semester course in electronic commerce. Many of the concepts taught in college business courses are explored here in a "leading edge" fashion. Students work individually and in teams, utilizing software simulations in a realistic environment. Marketing strategies, accounting concepts, general economics, digital design and office applications are integrated into this course. (Prerequisite: None)

**Multimedia Design CPA (grades 10-12):** In this class, students will learn the basics of the Adobe Creative Suites Powerhouse Programs to create presentations that will prepare them for high school and beyond. They will use Photoshop, Illustrator, Premiere, Flash, Dreamweaver, and slide show presentation software to create their projects. Students will learn how to plan and edit raw materials into a finished presentation. Photo editing, film editing and sound editing will play a major roll along with instruction in layout, design and the basics of producing an aesthetically pleasing finished product. (Prerequisite: None)

**Marketing CPA (grades 10-12):** This course introduces students to the vast fields of marketing and retailing. Students develop the knowledge and skills needed to begin their education in business, marketing, fashion merchandising and retailing. Major units of study are an introduction to marketing and economics, customer service and selling, advertising and visual merchandising, interpersonal skills, retail operations and loss prevention, purchasing for resale, and retailing math. (Prerequisite: None)

**Business Law Honors (grades 11-12):** This semester course familiarizes students with basic principles of law as they relate to civil and business matters. Analytical methods are used to explore areas such as tort law, court systems, ethical decision making, business ownership and employment law. Students will become familiar with the economic climate, influences on business. (Prerequisite: None)

**Business Management Honors (grades 11-12):** Through the use of business magazines and simulations additionally, students learn decision-making and problem solving skills related to the world of business. Current case studies present important real-world situations for examination and discussion. Students also play the Stock Market Game and learn the art of investing in this one semester course. (Prerequisite: None)

**Sports and Entertainment Marketing (grades 10-12):** This semester course will take students step-by-step through the world of marketing. They will learn the basic functions of marketing and how those functions are applied to sports and entertainment. The basic functions of marketing include: Management-Information, Financing, Pricing, Promotion, Products/Service Planning, Distribution and Selling. (Prerequisite: None)

**International Marketing Honors (grades 11-12):** This semester course is designed for college-bound students as an introduction to marketing concepts. Through the use of case studies, simulations, and projects students will have the ability to develop a marketing plan for an international business. Students will analyze the most effective marketing strategies and have a foundation for further study in all areas of business administration, marketing, management, entrepreneurship and merchandising. (Prerequisite: Grade of C or better in Honors English and Social Studies.)

**Work based Internship/Cooperative Education (grade 12):** This course provides high school credit combining academic study with practical work experience. Receiving on-the-job training, developing business contacts, exploring career options and building community networking are some of the benefits of enrolling in the Work-based Internship/Cooperative Education program. Students attend school in the morning and then leave school to work at their worksite. Students can be placed in a variety of occupational training positions within a range of career fields and are expected to maintain good attendance in school and work a minimum of 15 hours per week. Students earn 15 credits for the Work-based Internship Cooperative Education class and employment. The teacher provides ongoing worksite monitoring and assessment in conjunction with a formal training plan, discussions of workplace experience and a final evaluation. (Prerequisite: Recommendation of guidance counselor, approval of assistant principals, and interview by teacher. Technology Applications is strongly recommended.)

## Science Electives:

**AP Environmental Science: (grades 11-12):** Advanced Placement Environmental Science (APES) is a college level, lab-based course that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will work independently and cooperatively to identify, analyze, evaluate, and provide potential solutions to various environmental problems. Experiences both in the laboratory and in the field provide students with important opportunities to test concepts and principles that are introduced in the classroom, to explore specific problems with a depth not easily achieved otherwise, and to gain an awareness of the importance of confounding variables that exist in the “real world.” **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisite: Chemistry CPA with a grade of B+ or better and Teacher Recommendation.)

**Anatomy and Physiology Honors (grades 10-12):** This full-year elective is a rigorous study of the structure and function of the human body. The course curriculum follows the sequential development of major body systems in an organized anatomical sequence. The course is designed to give the student a selective overview of human and anatomical structure and a brief analysis of human physiological principles. Labs will include slide work, dissection, and studies of the human skeleton. *\*Students who have already taken Dynamics of Healthcare CPA and passed the UMDNJ Dynamics of Health Care Exam will also have the opportunity to earn college credit for Anatomy and Physiology by passing an end-of-year exam provided by UMDNJ.* (Prerequisite: Biology with a grade of B+ or better and Teacher Recommendation.)

**Astronomy CPA (grades 10-12):** This semester course is a scientific exploration of the human place in the universe. Students study the origin and history of the Universe and the formation of the Earth and solar system. This course begins by exploring what ancient astronomers determined thousands of years ago using only their eyes. Students will be able to compare the Earth's properties with those of the other planets. (Prerequisite: Earth and Environmental Science or Biology)

**Dynamics of Health Care CPA (grades 10-12):** This semester course is designed for students who are interested in pursuing a career in medicine or health care. The course presents an interdisciplinary approach to health care and its delivery, with a focus on critical thinking, ethical reasoning, effective communication, and self-directed learning. The content, and professional skills covered in the course apply to issues and topics common to all health care providers. Emphasis is placed on the role of the health care practitioner as both provider and consumer of health care services. Students have the opportunity to earn college credit by passing an end-of-year exam provided by UMDNJ. (*Co-requisite: Emergency and Clinical Care CPA*. Prerequisite: Biology and Teacher Recommendation).

**Emergency and Clinical Care CPA (grades 10-12):** This semester course demonstrates and explains various techniques used in responding to emergencies before medical help arrives. The course is designed to provide students with a foundation of knowledge and skills for recognizing and responding to various medical emergencies. Emphasis is placed on building the student's confidence and ability to act appropriately in the event of an emergency. CPR certification is available through UMDNJ and the American Red Cross. (*Co-requisite: Dynamics of Health Care CPA*. Prerequisite: Biology and Teacher Recommendation)

**Environmental Issues CPA (grades 10-12):** This semester course is designed to provide a conceptual understanding of the many environmental issues that are impacting our planet. Issues include, but are not limited to: freshwater and ocean pollution, ecology, nuclear waste, landfills, endangered animals, air pollution, global warming, biomes, mining, and alternative energy sources. Students will examine these topics through PowerPoint presentations, current event article reviews, research papers, movie reviews, independent projects, field trips, and numerous lab activities/experiments. (Prerequisite: Earth and Environmental Science or Biology.)

**Forensic Science CPA (grades 11-12):** This full-year elective is intended to provide students with an understanding of the science behind crime detection. This lab-based course will examine how certain pieces of evidence help link the victim and suspect to the crime scene. Forensic Science is also an interdisciplinary course that incorporates subject matter from mathematics, Biology, Chemistry, and Physics in a hands-on approach to analyze physical evidence and solve crimes. Laboratory exercises will include techniques commonly employed by forensic investigators to examine physical evidence such as glass, soil, handwriting, fingerprints, gunshot residue, ballistic calculations, blood spatter, hairs, fibers, and DNA evidence. (Prerequisite: Biology and Teacher Recommendation.)

**Marine Science CPA (grades 10-12):** This semester course is a scientific exploration of the world's oceans. Marine Science offers a view of fundamental principles of ocean science; the geography and geology of ocean basins; chemistry of sea water; physical dynamics of currents, waves and tides; coastal processes; and the biology of diverse ecosystems such as deep sea vents, coral reefs, and estuaries. Students in the course examine marine biodiversity and biology as well as the structure and function of the ocean ecosystem. Finally, students research the role of law, government, and human communities in managing the ocean's resources. (Prerequisite: Earth and Environmental Science or Biology.)

**Meteorology CPA (grades 10-12):** This semester course introduces the study of the weather, including atmospheric properties and processes that control temperature, wind, precipitation, and storm systems. Students examine the history and evolution of devices that are used to measure weather. The course also explores weather forecasting where students will have an opportunity to make their own predictions based on observations of current weather conditions and weather patterns. In this course, students examine the mechanisms of long-term climate change and discover some of the driving forces behind those changes. Finally, the students explore the ways that weather influences and is influenced by air pollution, El Nino/La Nina, and ozone depletion. (Prerequisite: Earth and Environmental Science or Biology.)

## Social Studies Electives:

**American Film Studies CPA (grade 12):** This course presents how American filmmakers have helped create a popular and lasting image of American history. The students view classic films that capture the essence of a particular historical era. The films are then critiqued for their authenticity, evaluated, contrasted, and explained in light of the historical period and the literary work upon which they are based. *Course not approved by NCAA Eligibility Center.* (Prerequisite: United States History II.)

**AP Macroeconomics (grades 11-12):** This semester course is a comprehensive understanding of the theoretical problems, principles, and perspectives of macroeconomics for those students with both academic and/or career interest in business. Major units of work include: the market system, fiscal policies, money and banking, capital formation, price theory, and governmental policies toward business. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** This course fulfills a new state semester course requirement for Personal Financial Literacy starting with the class of 2014. (Prerequisite: Geometry or Departmental Recommendation.)

**AP European History (grade 12):** This AP course studies European history since 1450 and introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the world in which they live. The goals of AP European History are to develop an understanding of some principal themes in modern European history, an ability to analyze historical interpretation, and an ability to express historical understanding in writing. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** This course has a summer reading assignment. (Prerequisite: Grade of A or better in U.S. History II CPA, B+ or better in U.S. History II H, C+ or better in U. S. History II AP.)

**AP American Government and Politics (grades 11-12):** This course is designed to educate students about government and its role within society and their everyday lives. Students will begin their study of government by analyzing the various philosophies that have been proposed through the ages. In addition, students will explore the real world implementation of these philosophies. Students will examine the study of three governmental branches and an examination of their function and powers within society. In addition, students will analyze the individual rights that are guaranteed by their government and determine their practicality as well as discuss any limits that may exist. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** This course has a summer reading assignment. (Prerequisite: Successful completion of U.S. I Honors/AP with a grade of B+ or better; or US II CPA with an A- or better and Departmental recommendation.)

**Constitutional Law Honors (grades 11- 12):** This semester course is a examines the U.S. Constitution, its interpretation by the Supreme Court, and the impact constitutional law has had on America’s political, economic, and social institutions. Students are required to examine court cases and laws both past and present as they relate to the U.S. Constitution, Amendments and Bill of Rights. In addition to the class discussions and reading, the students are actively engaged in researching, briefing, and presenting cases. (Prerequisite: grade of B+ or better in U.S. History I CPA.)

**Global Studies CPA (Grades 10- 12):** This semester course examines issues, events and regions of the world relevant to understanding global society of the modern era. The causes and effects of global issues and current events are the focus. This course surveys issues such as; energy the global economy, 9/11 and global terrorism, the wars in Iraq and Afghanistan, the peoples and conflicts in the Middle East, and Issues in Africa and China. (Prerequisite: None)

**Genocide and Holocaust (grades 11-12):** This semester course offering investigates examples of genocide, Holocaust, and human rights. The students identify and analyze the causes: moral relativism, intolerance, and the ongoing process of technological rationalization in modern society. The specific episodes of genocide to be studied consist of African-Americans and the institution of slavery; the American Indians; the Armenians in the Ottoman Empire during World War I; Ukrainian forced famine; the Nazi Holocaust; Pol Pot’s Khmer Rouge in Cambodia, Bosnia, and Africa. These episodes are analyzed in light of the specific socioeconomic and political pressures which are common to each. The course engages students in daily discussions, cooperative learning groups, and independent research. (Prerequisite: None)

**Social Psychology (grades 11-12):** Social Psychology is a semester course that engages the students in the study of topics such as: personality theories, forms of conditioning, learning, memory, perception, dreams, and psychological disorders. The program, through discussion and various activities, demonstrates psychological principles, and provides students with sufficient means to understand people as they participate in the normal routine of daily living. (Prerequisite: None)

**Vietnam CPA (grades 10-12):** Vietnam is a semester course that explores the Vietnam era and the rationale and reasons for America’s involvement in the war. This course explores American culture and history from the 1950’s – 1970’s politically and culturally as they were affected by America’s involvement in Southeast Asia. The study will engage students in an investigation of the impact of the social and political costs. (Prerequisite: None)

## World Languages Electives:

**AP French Language and Culture (grades 11-12):** This is the highest level of French offered in the department. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisite: Completion of Level IV Honors and Departmental recommendation.)

**AP Italian Language and Culture (grades 11-12):** This is the highest level of Italian offered in the department. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisite: Completion of Level IV Honors and Departmental recommendation.)

**AP Latin Vergil (grades 11-12):** This is the highest level of Latin offered in the department and focuses on the work of Vergil. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisite: Completion of Level IV Honors and Departmental recommendation.)

**AP Spanish Language and Culture (grades 11-12):** This is the highest level of Spanish offered in the department. **As per our district policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisite: Completion of Level IV Honors and Departmental recommendation.)

## Performing Arts Electives:

**Band CPA (grades 9-12):** Band is a course designed to meet the musical needs of all wind and percussion players. Emphasis is placed on the continuation of the development of the students’ musical skills. Students will also gain knowledge of music literature from a variety of time periods and styles. Members of the band are strongly encouraged to participate in all aspects of the program, and are required to attend concerts, dress rehearsals and the Memorial Day Parade. Members of the band program must also attend small group lessons. (Prerequisite: None)

**Band Honors (grades 10-12):** Students taking band at the honors level will have additional responsibilities beyond the CPA level band class. These responsibilities include a combination of journal writing, guided reading, musical experiences outside of school, participation in after school music ensembles, preparation for Area Band, Region Band, and All-State Band, and preparation of level appropriate solo repertoire. Students electing to take band at the honors level must successfully complete an honors audition to be held in the spring of the prior school year. Members of the band program must also attend small group lessons. (Auditions required.)

**Orchestra CPA (grades 9-12):** Orchestra is a course designed to meet the musical needs and interests of all string players and a few selected woodwind, brass, and percussion players.\* Advanced music of significant worth is emphasized which covers a wide range of styles. In addition to performing at school assemblies and winter and spring festivals, the orchestra also performs at various other functions. Students are expected to attend all scheduled activities, dress rehearsals and performances. Members of the orchestra program must also attend small group lessons. \*Woodwind, brass, and percussion students are selected from the concert band by audition. Only string students should enroll in this course.

**Orchestra Honors (grades 10-12):** Students taking orchestra at the honors level will have additional responsibilities beyond the CPA level orchestra class. These responsibilities include a combination of journal writing, guided reading, musical experiences outside of school, participation in after school music ensembles, preparation for Region Orchestra and All-State Orchestra, and preparation of level appropriate solo repertoire. Students electing to take orchestra at the honors level must successfully complete an honors audition to be held in the spring of the prior school year. Members of the orchestra program must also attend small group lessons. (Auditions required)

**Chorus SSA and SATB (grades 9-12):** These courses are designed to meet the needs of those students who are interested in developing good vocal techniques and sight reading skills. A variety of music of significant worth will be studied and performed. Students are responsible to attend all scheduled activities, dress rehearsals and performances. An entrance audition is required for placement. Members of the chorus must attend one small group lesson per week. (Prerequisite: None)

**Honors Chorus SSA and SATB (grades 10-12):** Students taking chorus at the honors level will have additional responsibilities beyond the CPA level chorus class. These responsibilities include a combination of journal writing, guided reading, musical experiences outside of school, participation in after school music ensembles, preparation for Region Chorus and All-State Chorus, and preparation of level appropriate solo repertoire. Students electing to take chorus at the honors level must successfully complete an honors audition to be held in the spring of the prior school year. Members of the chorus must attend one small group lesson per week. (Auditions Required.)

**Music Theory I CPA (grades 10-12):** Music Theory is designed to help students gain a working knowledge of notation, intervals, scales, triads, clefs and basic harmony. Ear training, transportation and score reading are also incorporated into the course. This course is essential for those contemplating a career in music. (Prerequisite: None)

**Music Theory II Honors (grades 11-12):** Music Theory II is designed to meet the needs of the advanced music student. The skills and knowledge acquired in Music Theory I are further developed to include additional study in analysis, problem solving, and critical thinking. Course materials include advanced study in harmonic analysis and progression, counterpoint and dictation, sight singing, modulation, and analysis of musical structure. (Prerequisite: Music Theory I CPA.)

**Rock of Ages: Popular Culture through the Prism of Music (grades 11-12):** This course will give the student the opportunity to study popular culture through the prism of Rock and Roll Music. Students will study the origins of Rock Music through the decades beginning in the 1950s through the present, with a focus on how it is has defined and changed popular culture. (Prerequisite: None)

## Visual Arts Electives:

**Studio Art I CPA (grades 9-12):** This basic art course has been developed for students with an interest in art who want to explore their creative potential. Studio Art offers an introduction to the skills in drawing, lettering, design, watercolor, painting, and an experience with the three dimensional form. It is a requirement for most advanced courses, and the serious art student should select this course in 9th grade. (Prerequisite: None)

**Studio Art II CPA (grades 10-12):** Studio Art II focuses on problems and materials for the second year art student. It exposes students to a variety of experiences in perspective, drawing, mixed media, watercolor, tempera painting, and provides an Introduction to three dimensional forms. (Prerequisite: Successful completion of Studio Art I or Drawing and Composition.)

**Studio Art III – Portfolio Development CPA/H (grades 11-12):** This course is designed to provide intense study in art for those students who have a high level of interest in developing their own personal forms of expression in greater depth. Emphasis will be placed on the production of works that may be suitable for inclusion in a portfolio. (Prerequisite: Successful completion of Studio Art II and Department Recommendation.)

**Studio Art IV H/AP (grade 12):** The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. AP Studio Art is for highly motivated students who are seriously interested in the study of art. (Prerequisite: Successful completion of Studio Art III summer assignment and Department Recommendation.)

**AP Art History (grades 10 - 12):** AP Art History is designed to provide the students with the same information that they would likely encounter in a college introductory art history course. Students would increase their knowledge of architecture, sculpture, painting and other art forms, all within the context of the cultures that produced the art. Students would learn to critique art with intelligence and sensitivity, and would especially focus on written critique essays, as yet another form of preparation for college writing. **As per our District policy all AP students must take the College Board exam in May to receive the “AP” designation on their transcript.** (Prerequisite: B+ or above in Honors History.)

**Computer Graphics I CPA (grades 10-12):** This course will explore the use of the powerhouse tools of the electronic art age: the Adobe Photoshop and Illustrator Programs. It is designed to prepare the student for future studies in the graphic design field. Projects are designed to build the student’s portfolio. (Prerequisite: None)

**Computer Graphics II CPA (grades 11-12):** This course is designed to provide students with an opportunity to master the art of page layout and design for print and web publication. Students will build on what they learned in Computer Graphics I, and produce original print publications, web sites, electronic presentations, and portfolios. At the conclusion of this course, students will have produced an electronic portfolio of work accompanied by a personal promotional brochure and web site. (Prerequisite: Computer Graphics I)

**Computer Graphics III Honors (grade 12):** Computer Graphics III students will learn advanced techniques in computer drawing, painting, and 3-D modeling in order to explore, develop, and communicate ideas, solutions, information, and feelings as evidenced by the popular media of today in film, print, television commercials, shows, and web sites. From art to advertising, and product design, 3-D thinking is mandatory for success in the world of the twenty-first century. (Prerequisite: Computer Graphics II and Department Recommendation.)

**Crafts (grades 9-12):** This basic art course will enable the student to create artwork in a variety of media. The types of media used for the course may include relief printing, tie-dye, batik, painting, drawing, self-portraits, weaving, coil baskets, and dream catchers. This course is open to all students and is not part of the art sequence (Prerequisite: None)

**Drawing and Composition CPA (grades 9-12):** This one-year fine arts course explores drawing techniques, materials, and the fundamentals of good composition. Contour, three-dimensional figures, cartoon, landscape drawing, and portraiture will be among the drawing genres included. Various drawing media; pencil, charcoal, pastel, conte, pen and ink, marker, cray pas, and colored pencil will be used. (Prerequisite: None)

## **Industrial Arts Electives:**

**Computer Aided Drafting I (grades 9-12):** Students will learn all the basic commands associated with CAD drawing. The year will be broken into two areas: two dimensional drawings and three dimensional drawings (isometrics). Students will also be introduced to SOFT PLAN. Additionally, some small engineering projects will be dispersed throughout the year, including Battle Bots. (Prerequisite: None)

**Computer Aided Drafting II (grades 10-12):** Students will refine their CAD skills with more intense and difficult two and three dimensional projects. Additionally, they will be introduced to Architectural Desktop and Mechanical Desktop, as well as Solid Works, a parametric design and drafting software. (Prerequisite: CAD I and Teacher Recommendation.)

**Computer Drafting III (grades 11-12):** Students will be involved with their instructor in a one-on-one independent study format. Each student will bring a project or concept which will have a strong emphasis in Architectural/Environmental Design. Examination of environmentally sensitive building and design will be emphasized throughout the year. (Prerequisite: CAD II and Teacher Recommendation.)

**Engineering, Technology & Power Mechanics (grades 10-12):** This course involves an active hands-on approach to solving technological problems. Students will act as engineering designers and translate technical ideas, sketches, and specifications into workable models and plans. The use of computer-assisted drafting is emphasized and applied. This course exposes students to engineering, technology, practical science, and to the engineering process in the creation of design projects. Robotics will be the medium through which they will translate real world problems into working solutions. Students will be involved with their instructor in a one-on-one independent study format. Each student will bring a project or concept which will have a strong emphasis in Architectural/Environmental Design. Examination of environmentally sensitive building and design will be emphasized throughout the year. (Prerequisite: CAD I)

**Wood Shop I (grades 9-12):** Wood Shop I is the fundamental course in which students develop knowledge and skill in the manipulation of hand tools and machines. The student is also exposed to industrial techniques and materials in the related fields of wood finishing, woodturning, and cabinet making. Opportunities are provided for students to develop an appreciation of the components of good design and to explore possible vocational interests. (Prerequisite: None)

**Machine Woodworking (grades 10-12):** Machine Woodworking is an advanced course for those students wishing to further develop skills learned in Wood Shop I. Machine Woodworking focuses on more complex machine operations and more involved machine set-ups. These will allow the student to achieve more dramatic and professional looking results in the fabrication of wood artifacts. (Prerequisite: Wood Shop I)

**Advanced Wood Processing (grades 10-12):** This course concentrates on the aesthetic aspects of woodworking. Topics such as carving, wood bending, parquetry, and intarsia are incorporated into project work. (Prerequisite: Wood Shop I)

**Cabinetmaking and Furniture Construction (grades 10-12):** This course provides the student with the opportunity to explore furniture design and learn about the various furniture styles and their characteristics. Students will produce a piece of furniture during this course by making use of advanced techniques in joining and finishing. (Prerequisite: Wood Shop I)

**Wood Carving (grades 10-12):** This course focuses on wood as an art form. Some history and background of woodcarving will be introduced. Students will learn fundamentals and differences between types of carving, such as relief carving, chip carving, carving in the round, and caricature. Topics such as care and sharpening of tools will also be covered in detail. Several carving projects will be produced during this course. (Prerequisite: None)

## **Family and Consumer Science Electives:**

**Culinary Arts I (grades 9-12):** Culinary Arts I is an entry level course in food and nutrition. It encompasses safety, sanitation, nutrition, use of equipment, and principles of measurement. The course will cover food preparation techniques in some or all of the following areas: grains, fruits and vegetables, dairy products, eggs and meat. There will be an emphasis on time management, safety, nutrition and meal planning, including the significance of food as it relates to various cultures. The students plan, prepare, and serve foods representing various regions of the United States. This class includes a balance of class work, demonstration, and hand-on experiences. (Prerequisite: None)

**Culinary Arts II (grades 10-12):** Culinary Arts II is designed for students who desire to advance their skills in the culinary field. Students will learn advanced food preparation skills while improving their time management skills. This course focuses on the planning, preparation and service of all meal courses from appetizers to desserts. Students will explore all forms of recipes as they select specific recipes based upon the meal course of study. This class involves research and study of food preparation, demonstrations and hands on experiences. (Prerequisite: Culinary Arts I)

**Food and Sports Nutrition (grades 10-12):** A healthy lifestyle, incorporating well-balanced eating and physical activity are key factors to an individual's overall sense of wellness. Food and Sports Nutrition is designed to inform, challenge, and guide the eating patterns of the student in a healthy format. The course will provide the opportunity to study nutrition, fitness, weight management, eating disorders, the relationship between nutrition and sports, and how all this can optimize athletic performance. This class includes a balance of class work, demonstrations, and hands-on experiences. (Prerequisite: None)

**Child Development CPA (grades 11-12):** The Child Development course is designed to provide an experiential program for high school students in the study of human growth and development from conception through kindergarten, within a pre-school setting. Child Care and Development encourages an understanding of all aspects of children's physical, emotional, intellectual, social and moral growth. This course is designed for students who are interested in working with young children. Students participate in the planning and daily operation of a pre-school program for children ages three to five years old, preparing them for kindergarten in a rich and stimulating environment. Practicum experiences provide for the integration of theory, research, and practice. (Prerequisite: Successful completion of application process.)