



# High School SHORT COURSE DESCRIPTIONS

## Arts and Technology

### **Employed Art I**

*Grades: 9, 10, 11, 12 (class enrollment is limited)*

*Credit: 1.0 (Full year)/Fee: \$75 annually*

*Prerequisite: None*

Students learn the fundamentals of art beginning with drawing as a foundation for all other media. Students will experiment with various materials and study examples through art history.

### **Art II**

*Grades: 10, 11, 12 (class enrollment is limited)*

*Credit: 1.0 (Full year)/Fee: \$75 annually*

*Prerequisite: Art I (two semesters)*

Students are encouraged to pursue the media of their choice while unique and refresher projects are assigned to provide a deeper understanding of art. Greater specialization of technique is emphasized.

### **Art III**

*Grades: 11, 12 (class enrollment is limited)*

*Credit: 1.0 (full year)/Fee: \$75 annually*

*Prerequisite: Art II (2 semesters)*

Students will have the opportunity to experiment and concentrate on specific subject matter and media in order to begin to develop their own style. Philosophical concepts of art are explored.

### **Advanced Art I & II**

*Grades: 11, 12 (class enrollment is limited)*

*Credit: 1.0 (Full Year)/Fee: \$75 annually*

*Prerequisite: A minimum of 3.0 credits in Art I, II, III. Instructor approval required*

Students submit a portfolio with a minimum of eight works, in a wide and diverse range of mediums with evaluation of strongest work. A paper on art history, medium technique, or art style is also required. This is a 2-year program open to Juniors and Seniors only.

### **Pottery I**

*Grades: 10, 11, 12 (class enrollment is limited)*

*Credit: 1.0 (Full year)/Fee: \$75 (per semester)*

*Prerequisite: Art 1(one semester)*

This class will explore the techniques of hand building, wheel throwing, and combinations of both. Students will also experiment with and learn various glazing techniques.

### **Pottery II**

*Grades: 11, 12 (class enrollment is limited)*

*Credit: 1.0 (Full year)/Fee: \$75 (per semester)*

*Prerequisite: Pottery I or meeting with instructor*

Continued development of techniques introduced in Pottery I. Students are encouraged to explore individual forms to challenge their ability and thinking.

### **Concert Choir**

*Grades: 9, 10, 11, 12*

*Credit: 1.0 (Full Year)/Fee: Purchase of formal attire required; additional trip costs*

*Prerequisite: None*

This is a class designed to train vocalists to perform together in a choral setting. This class is open to anyone who wants to sing, but must have the ability to match pitch. Music will cover a wide range of musical styles and periods,

with an emphasis on sacred texts. Concerts include school concerts, chapels, and some local performances. Choir members will participate in choir festivals, contests, and workshops.

## **Ensemble**

*Grades: 10, 11, 12*

*Credit: 1.0 (Full Year)/Fee: Purchase of formal attire required; additional trip costs*

*Prerequisite: Audition in the Spring*

Ensemble is a smaller vocal group designed to challenge the more advanced vocalist. This group is chosen by audition, with auditions being held in the spring for the following year. Literature will cover a wide range of musical styles and periods, with an emphasis on sacred texts. Concerts will include all those of the choir, and other local and public performances.

## **Band**

*Grades: 9, 10, 11, 12*

*Credit: 1.0 (Full Year) /Fee: Purchase of formal attire required; additional trip costs*

*Prerequisite: Audition or instructor's permission*

The primary objective of band is the preparation for public performance. The repertoire is chosen for pep band at athletic events, performance at school chapels, public concerts, churches, and music contests and festivals.

## **Jazz Band**

*Grades: 9, 10, 11, 12*

*Credit: 0.5 (Full year)/Fee: Purchase of formal attire required*

*Prerequisite: Student must be a member of the full band or have an exemption from the director.*

*This course is held during Zero period.*

This course offers instrumental music students an opportunity to further their musicianship and be involved in an ensemble that performs Jazz and stage music. Time will also be spent learning transposition and improvisational skills that are a part of not only Jazz music but also an essential element of church orchestras and worship bands.

## **Forensics (Competitive Speech and Debate)**

*Grades: 9, 10, 11, 12*

*Credit: 0.5 (1<sup>st</sup> semester)/Fee: There will be costs for attending competitions (approximately \$75)*

*Prerequisite: Must be able to attend Saturday Speech Meets*

This course is designed to prepare the student for the competitive speech meets that they will attend during the semester. Class time will be given for preparing and practicing Speech Meet selections. The student will be required to attend speech practice after school to secure a place on the speech team. Students will be required to participate in speech meets throughout the first semester and pay speech entry fees. The CHSSA State Speech Meet is the last weekend in January. Students unable to attend Saturday Speech Meets throughout the semester are not eligible for this class.

## **Forensics Advanced (Competitive Speech and Debate)**

*Grades: 10, 11, 12*

*Credit: 0.5 (1<sup>st</sup> semester) /Fee: There will be costs for attending competitions (approximately \$75)*

*Prerequisite: Forensics experience and instructor approval*

This course is a continuation of the Forensics course. Students unable to attend Saturday Speech Meets throughout the semester are not eligible for this class.

## **Drama I**

*Grades: 9, 10, 11, 12*

*Credit: 1.0 (Full year)/Fee: \$110 per play, \$60 for Tech Crew*

*Prerequisite: None*

This course is a basic introduction of all aspects of the theater including performance and production. Students are given an introduction to the creative process of acting, set design, makeup, costumes, etc. Students are also invited to participate in acting events at Speech Meets. All of these concepts are applied to their own spiritual walk with Christ.

## **Drama II**

*Grades: 10, 11, 12*

*Credit: 0.5 (2<sup>nd</sup> semester) / Fee: \$110 per play, \$60 for Tech Crew*

*Prerequisite: Drama I or instructor approval*

This course will study theater performance and production more in-depth than in Drama I. Students are also invited to participate in acting events at Speech Meets.

## **Drama Advanced**

*Grades: 11, 12*

*Credit: 0.5 (2<sup>nd</sup> semester) / Fee: \$110 per play, \$60 for Tech Crew*

*Prerequisite: Drama I or instructor approval*

Advanced Drama intensifies the study of theater concentrating specifically on acting and production of a play. Students are challenged by more advanced assignments and by opportunities to participate in the school play or musical. Students will sharpen their skills in theater production by taking part in designing and coordination sets, sound, light, publicity, costumes and makeup. All students participate in the production of a large-scale play production in the spring.

## **Great Books**

*Grades: 9, 10, 11, 12*

*Credit: 0.5 (semester)/Fee: None*

*Prerequisite: None*

This course will introduce the student to a variety of noteworthy authors, both contemporary and classical. They will have the opportunity to familiarize themselves with literature that critics regard as "classics." In-class discussion, enrichment projects and reading quizzes are the primary basis for grading. There will be no homework or written exam. This class is offered only one semester (to be determined).

## **Creative Writing**

*Grades: 9, 10, 11, 12*

*Credit: 0.5 (semester) /Fee: None*

*Prerequisite: None*

This course will focus on the artistic elements in literature and introduce students to excellent word and story crafters. Students will have an opportunity to develop their own literary voice through reading good literature and learning art and literary analysis. This class is offered only one semester (to be determined).

## **Journalism**

*Grades: 9, 10, 11, 12 (Class enrollment is limited)*

*Credit: 1.0 (Full Year)/Fee: None*

*Prerequisite: Previous experience in journalism and/or approval of instructor.*

This course is designed for the student who possesses strong writing skills, is interested in journalistic writing, and the production of the school newspaper. This course requires some outside class time and high responsibility on the student's part.

## **Yearbook**

*Grades: 9, 10, 11, 12 (Class enrollment is limited)*

*Credit: 1.0 (Full Year)/Fee: None*

*Prerequisite: Previous experience in yearbook, and/or approval of instructor.*

The primary goal of this class is to produce the yearbook.

## **Computing and the Internet**

*Grades: 9, 10, 11, 12 (Class enrollment is limited)*

*Credit: 0.5 (1<sup>st</sup> semester) /Fee: \$55*

*Prerequisite: Basic Algebra 1*

This course is the first of the computer courses offered and is a prerequisite to all other computer courses. It is necessary for students in this course to have a home computer with internet access. Focus is on ability to pass the IC3® certification exam, thus ensuring that students are "digitally literate." Additionally we will be covering principles for web design and development, internet technology, and web strategies for business.

## **Database Fundamentals**

*Grades: 9, 10, 11, 12 (Class enrollment is limited)*

*Credit: 0.5 (2<sup>nd</sup> semester) /Fee: \$55*

*Prerequisite: Computing and the Internet*

During this course, students will study principles for web design and development, internet technology, and web strategies for businesses. Other topics will include database systems, data models, query languages, project managements, and the software developmental lifecycle.

## **Robotics**

*Grades: 9, 10, 11, 12*

*Credit: .25/semester (offered both semesters)/Fee: \$50 per semester*

*Prerequisite: None. This course is offered during Zero hour*

This course will challenge students to solve a common problem by using real-world engineering skills. Students will examine robotic systems such as electrical, programming, and mechanical to learn the fundamental principles of robotics. Students will also work with the web page, robot design software, public relations and spirit committee. This is a hands-on course that requires teamwork, communication, problem solving, imagination, and a competitive spirit. Engineers and other experts will provide information and projects throughout the course.

## **Project Lead the Way**

Project Lead the Way ([www.pltw.org](http://www.pltw.org)) is a national program that has developed a four-year sequence of courses introducing students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. These courses apply and reinforce the students' study of math and science.

The students in PLTW frequently use equipment and software that is considered the industry standard. The classes are in a hands-on, activity-oriented lab environment that utilizes team effort. Students participate in college field trips and are exposed to many different fields of engineering. Students who meet specific requirements in POE, IED, and DE are qualified to receive four-quarter units of credit from the University of Colorado at Colorado Springs.

## **Principles of Engineering (POE)**

*Grades: 9, 10, 11, 12 (Class enrollment is limited)*

*Credit: 1.0 (Full Year) /Fee: \$110 per semester*

*Co-requisites: Saxon Algebra I (or higher) and a science (excluding Environmental Science)*

The emphasis of this course is on actual projects, presentations and hands-on building and programming. The course is a broad-based survey designed to help students understand the field of engineering and engineering technology and its career possibilities. The Fischertechnik building blocks are used to explore various systems and manufacturing processes through programming, designing circuits, and using logic.

## **Introduction to Engineering Design (IED)**

*Grades: 9, 10, 11, 12 (Class enrollment is limited)*

*Credit: 1.0 (Full Year) / Fee: \$110 per semester*

*Co-requisites: Saxon Algebra I (or higher) and a science (excluding Environmental Science)*

IED is an introductory course that develops student problem-solving skills with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern, state of the art computer hardware and software. This course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated, using a Computer-Aided Design System. Students may apply for college credit for this course.

## **Digital Electronics (DE)**

*Grades: 10, 11, 12 (Class enrollment is limited)*

*Credit: 1.0 (Full Year) / Fee: \$110 per semester*

*Co-requisites: Saxon Algebra II (or higher) and a science*

DE is a course of study in applied digital logic. Students will be introduced to digital circuits found in video games, watches, calculators, digital cameras, and a thousand other devices. Students will study the application of digital logic and how digital devices are used to control automated equipment. This course is similar to a first semester college course and is an important course of study for a student exploring a career in engineering or engineering technology. This course does not satisfy science credit. Students may apply for college credit for this course.

## **Engineering Design and Development (EDD)**

*Grades: 12*

*Credit: 1.0 (Full Year) / Fee: \$110 per semester*

*Co-requisite: Enrollment in math and a science and completion of IED and POE*

In this course students work on a team with one or two others to design and construct the solution to an original engineering problem. The problems involve a wide range of engineering applications (e.g., a school robo-mascot, automated solar water heater, and remote control hovercraft). Students apply the principles they developed in previous courses. An engineering research journal is part of each student's portfolio. Each team is responsible for delivering progress reports and making final presentations to an outside review panel. The completed portfolio is invaluable when students begin applying to colleges.