CTE Overview

Welcome to Panther Creek career and technical education course overview. Career and technical education programs allow for students to gain valuable college and career experiences while allowing them to explore topics that they are passionate about. Through unique hands-on learning opportunities, students gain technical and soft skills necessary to be successful in their future education or career endeavors.

At Panther Creek we offer over 30 courses that are aligned with 15 different career pathways. Students who complete one or more pathways are identified as CTE concentrators; meaning they are well prepared and have the technical skills necessary to be successful in college or the workforce. For more information on each of our career pathways, visit wcpss.net/PCCTE

Business Management

Welcome to business management. In this course you will learn how managers plan and organize their business. You will participate in discussions and debates that deal with ethical dilemmas in the workplace and will learn to make decisions dealing with staffing and customer service. The second level of this course will cover topics such as supply chain management, safety and security measures, and analysis of business operations.

Project Management

Welcome to project management; one of the most high demand career paths in our economy. In Project Management 1, you will learn about the process of planning, organizing, and executing projects to create real life projects such as tower building competitions and boat building competitions. As you learn more about each of these concepts you will put them into practice by completing a community project of your choosing throughout the semester.

Marketing

Welcome to marketing and marketing applications. In this class you will learn about product distribution, pricing, promotion, and selling through market planning. You will work with your peers to create real life marketing plans and campaigns. The second level course, marketing applications, will build upon these skills and we'll dive deeper into customer relations, economics, and channel management.

Accounting

In Accounting I you will learn the basics of the accounting cycle. you will learn how to record business transactions and interpret and prepare financial statements. You will also learn about different career opportunities in accounting. In Accounting II, you will learn more in depth information about corporate accounting, managerial accounting and will have the opportunity to earn a quickbooks certification.

Apparel and Textile Production

Welcome to apparel and textile production. In this pathway, you will learn about sewing, fashion and textile production. In Apparel 1, you will learn how to hand sew, machine sew and how to create your

very own garments. Not only will you learn about sewing techniques, but also about the history of fashion. In Apparel 2, you will create your own fashion collection. At the end of Apparel 2, you will have a large portfolio full of digital design, textile design and fashion design.

Python Programming

Welcome to Python programming; one of the most popular programming languages in the world. In this course you will be introduced to Python and to basic programming concepts through hands-on small programming exercises and projects. The second level Python course focuses on object-oriented programming and learning how to program internet connected devices. Both courses offer Python Institute certifications.

Entrepreneurship

Welcome to honors entrepreneurship. In this course you will evaluate the feasibility of your own business plan and develop a lean canvas business model. You will learn more about business financing, marketing strategies, and securing the resources for starting a small business. In the second level course, you will build off of your previous plan to create a full-scale business start-up.

Interior Design

Welcome to interior design. In this course you will learn architecture styles, furnishings and textiles, and lighting and accessories. You will use these fundamental skills to create interior floor plans for residential and commercial settings. In the second level course, you will work with computer aided design to create floor plans and learn more about the history of design.

Technology Engineering and Design

Welcome to technology, engineering and design. in this course you will use the engineering design process to solve complex problems related to product design, technology, energy, and the environment. You will also be introduced to computer aided design programs that will help model these elaborate and precise projects. In the second level course you will continue to explore these concepts with larger more complex problems through a more in-depth CAD experience.

Digital Design and Animation

Welcome to digital design and animation. In DDA, you will learn how to use many of the Adobe creative suite programs and Autodesk 3DS Max. You will learn how to sketch storyboards, create illustrations, and build a basic animated 3D model. The design skills explored in this course can be applied to any field that needs visual communication; but are geared towards those who are interested in graphic design, computer animation, or game design.

Game Art Design

Welcome to game art design. In this second level course, you will learn the history of game play. By playing and analyzing board games and card games you'll learn the basics of game theory. Throughout the course, you will create your own board game or card game using the skills learned from digital

design and animation. This course is a great foundation for anyone who wants to go into game design, 3D modeling, or industrial and product design.

Adobe Academy

Welcome to the Adobe Academy. in Adobe visual design you will learn how to build graphic design projects using Adobe Photoshop illustrator and indesign. You will create logos, magazine and album covers, app prototypes, and branding materials for marketing. In Adobe video, the second level course, you will utilize Adobe premiere to create project-based video production using Adobe tools.

AP Computer Science

Welcome to AP computer science. This course is equivalent to a first semester college level class. You will focus on fundamental topics that include problem solving, design strategies, approaches to processing and analyzing data, and the social implications of computing. This course emphasizes object oriented and problem solving and design techniques using a subset of the Java programming language.

AP Computer Science Principles

Welcome to AP computer science principles. In this course, you will learn about the Internet and the ethical dilemmas that's around data collection and analysis. Using the Java computer programming language, you will create your own application to extract, protect, and analyze data.

SAS Base Programming

Welcome to SAS based computer programming. In this course you will learn how to plan and write SAS programs to solve common data analysis problems. You will learn how to run and debug programs to write SAS data set results. You will learn how to read input data, define variables, create lists and reports, and execute code.

Food and Nutrition

Welcome to food and nutrition. In this course you will learn the basics needed to become comfortable preparing food dishes in the kitchen. You will learn about human nutritional needs, food safety, and essential cooking techniques. In the second level course, you will learn more about the specific nutrition needs of various lifestyles. You will also create an outline your own food related business venture.

Supplemental technical courses

In addition to our pathway courses, Panther Creek offers several supplemental technical courses. These courses include Microsoft Excel honors, Microsoft Word and PowerPoint, and Principles of family and Human Services. Each of these courses are designed to enhance employability skills that are learned in each of our pathway courses.

Teaching as a Profession

Welcome to Teaching as a profession. In this course you will learn about the advantages and challenges of teaching as you explore the science and art of teaching, and the importance of diversity, ethics, and leadership in education. You will learn about the history of education in the U.S. and how members of a school community collaborate for the benefit of students. In the second level course you will participate in hands-on field work with students in nearby elementary and middle schools.