



**2019 Everett Summer Schools - Cascade High School Skill Center Satellite Courses
through WANIC – Washington Network for Innovative Careers**

DigiPen Art and Animation

This class offers a variety of hands on projects. Students are exposed to the tools and techniques of professional artists while creating their own 2D animations. We will focus on traditional art and animation methods and techniques with an emphasis on strengthening foundational art skills. Art topics covered include: perspective, line, form, value, design, and drawing from both observation and imagination. Animation principles are taught with a variety of methods with later animation projects being completed in a hand drawn style. For those who are serious about learning about art, this is the place for you. HS credit: 0.5 CTE

DigiPen: Video Game Design

This class launches you into the world of computer programming through the practice of writing code for video games. The emphasis of this class is learning the foundational programming concepts that form the basis of video games and other programs including variables, conditional statements, and loops. The class will also cover object-oriented game programming concepts like component-based engines, coding gameplay, and collaborating with other programmers. You are also introduced to concepts in physics and math such as 2D coordinate systems, vector math and trigonometry. By the completion of this course students will have a basic understanding of programming logic and as it pertains to video game programming. HS credit: 0.5 CTE

Human Body & Behaviors

Can you spot a liar? In this class we'll learn all about the human body & behavior. We'll study the brain and nervous system, how the body responds to stress, emotions, optical illusions, & how to improve your memory. This will be a great class for those interested in human biology and its connection to psychology. HS credit: 0.5 CTE

Digital Forensics

This course presents an overview of the principles and practices of digital investigation. Students will learn different techniques and procedures that enable them to perform a digital investigation. It covers the major phases of digital investigation such as preservation, analysis and acquisition of artifacts that reside in hard disks and random-access memory. Upon completion of the course, students can apply forensics tools to perform digital investigation and understand the underlying theory behind these tools. HS credit: 0.5 CTE

Entrepreneurship

Do you want to own your own business someday? Here is a great place to start. This entrepreneurship course is for high school students who are interested in learning about owning and operating a business and will provide them with an opportunity to create a complete business plan. Key business, marketing and financial concepts are learned through direct instruction, a variety of projects as well as through a virtual business simulation. HS credit: 0.5 CTE

Computer Aided Design (CAD) and 3D Printing

This Computer Aided Design (CAD) course is appropriate for high school students interested in design, engineering and manufacturing. Students will be introduced to the design process, research and analysis, engineering standards and technical documentation. Students will design solutions to real-world problems while using the use of the most current 3D solid-modeling software and state-of-the-art 3D printers. HS credit: 0.5 CTE

Biotechnology: Agriculture, Food and Natural resources

Students participating in *Biotechnology: Agriculture, Food, and Natural Resources* will experience hands-on activities, projects, and problems solved with biotechnology. Students do not need to have a prior biotech course. Gel electrophoresis, PCR, bacterial transformation, microbe culturing and plant propagation techniques will be used. HS credit: 0.5 CTE

Health

Learn about personal & community health issues. Meets health credit graduation requirements. HS credit: 0.5 Health