HS

Grants Pass School District

Technology Curriculum Guide for Technology Literate Students

High School

Educational technology is the application of technology to the teaching and learning process. In order for students to be prepared for the 21st century, Oregon schools need to provide opportunities for students to use technology skills that are applied in a variety of courses, subjects, experiences, and settings. Technologically literate students access and acquire knowledge, exchange ideas & opinions, solve problems, and create, innovate, and express themselves through the skillful use of a variety of technologies. (ODE)

Creativity and Innovation	• Design, develop, and test a digital learning game to demonstrate knowledge and skills related to curriculum content • Design a website that meets accessibility requirements • Use a wide range of skills to design, develop, write, publish, and package documents that meet project/audience requirements. • Design and create original multimedia presentations related to an authentic local, nation, or global problem or concern (i.e. web page, video, animation)
Communication and Collaboration	• Communicate electronically with peers, experts, and others to analyze data and/or develop a student project (i.e. Google Docs, email, video conferencing, forums)
Research and Information Fluency	• Select digital tools or resources to use for a real world task and justify the selection based on their efficiency and effectiveness • Utilize technology (Career Information System) to research careers and develop a career plan • Select appropriate technology devices to collect and record data • Use advanced spreadsheet functions to organize, calculate, analyze data, and make predictions • Identify the author of the information found from electronic resources and determine whether the author displays bias and is a primary or secondary source • Assemble and organize different viewpoints in order to assess their validity
Critical Thinking, Problem Solving, and Decision Making	• Employ curriculum specific simulations to practice critical thinking processes • Identify a complex global issue, develop a systematic plan of investigation, and present innovative sustainable solutions. • Analyze the capabilities and limitations of current and emerging technology resources and assess their potential to address personal, social, lifelong learning, and career needs
Digital Citizenship	• Model legal and ethical behaviors when using information and technology by properly selecting, acquiring, and citing resources • Adhere to network protocols (i.e. passwords, files, records) • Follow school standards for acceptable use and describe the consequences of not following those standards
Technology Operations and Concepts	• Configure and troubleshoot hardware, software, and network systems to optimize their use for learning and productivity • Translate files for use in other formats (i.e. PDFs) • Keyboarding skills will maximize the design, production, revision, and delivery of all documents

Adapted from the National Education Technology Standards for Students, NETS Student Profiles