

West Virginia Standards for 21st Century Learning

21st Century Learning Skills and Technology Tools

9-12 Learning Skills Objectives

Upon completion of the twelfth grade, the student uses advanced skills of analysis, synthesis and evaluation to create new knowledge and visualizes the connections between seemingly unrelated ideas to produce well-developed solutions. The student continues to develop critical thinking and problem solving skills and uses technology tools to solve problems and make decisions related to classroom, community and world issues. The student demonstrates ethical behavior related to acceptable use of information and communication technology, protects his/her identity on line and in email and/or websites, and makes informed choices among available advanced technology systems, resources and services for completing projects, solving problems and managing information. The high school student will integrate advanced technology application skills in the use of the word processor, database, spreadsheet and presentation software.

Standard 1: Information and Communication Skills	The student will access, analyze, manage, integrate, evaluate, and create information in a variety of forms using appropriate technology skills and communicate that information in an appropriate oral, written, or multimedia format.
21C.O.9-12.1.LS1	Student recognizes information needed for problem solving, can efficiently browse, search and navigate online to access relevant information, evaluates information based on credibility, social, economic, political and/or ethical issues, and presents findings clearly and persuasively using a range of technology tools and media.
21C.O.9-12.1.LS2	Student analyzes and interprets visuals and recognizes the impact digital media influences (e.g. design, technique, and rate of speed) have on audiences. The student's visual products reflect a sophisticated understanding of subject, digital media and design techniques.
21C.O.9-12.1.LS3	Student creates information using advanced skills of analysis, synthesis and evaluation and shares this information through a variety of oral, written and multimedia communications that target academic, professional and technical audiences and purposes.
Standard 2: Thinking and Reasoning Skills	The student will demonstrate the ability to explore and develop new ideas, to intentionally apply sound reasoning processes and to frame, analyze and solve complex problems using appropriate technology tools.
21C.O.9-12.2.LS1	Student engages in a critical thinking process that supports synthesis and conducts evaluation using complex criteria.
21C.O.9-12.2.LS2	Student draws conclusions from a variety of data sources to analyze and interpret systems.
21C.O.9-12.2.LS3	Student engages in a problem solving process by formulating questions and applying complex strategies in order to independently solve problems.
21C.O.9-12.2.LS4	Student visualizes the connection between seemingly unrelated ideas and independently produces solutions that are fresh, unique, original and well developed. Student shows capacity for originality, concentration, commitment to completion, and persistence to develop unique and cogent products.
Standard 3: Personal and Workplace Skills	The student will exhibit leadership, ethical behavior, respect for others; accept responsibility for personal actions considering the impact on others; take the initiative to plan and execute tasks; and interact productively as a member of a group.
21C.O.9-12.3.LS1	Student remains composed and focused, even under stress, willingly aligns his/her personal goals to the goals of others when appropriate, approaches conflict from win-win perspective, and derives personal satisfaction from achieving group goals.
21C.O.9-12.3.LS2	Student independently considers multiple perspectives and can represent a problem in more than one way, quickly and calmly changes focus and goals as the situation requires, and actively seeks innovations (e.g. technology) that will enhance his/her work.
21C.O.9-12.3.LS3	Student demonstrates ownership of his/her learning by setting goals, monitoring and adjusting performance, extending learning, using what he/she has learned to adapt to new situations, and displaying perseverance and commitment to continued learning.
21C.O.9-12.3.LS4	Student demonstrates ethical behavior and works responsibly and collaboratively with others in the context of the school and the larger community, and he/she demonstrates civic responsibility through engagement in public discourse and participation in service learning.
21C.O.9-12.3.LS5	Student exhibits positive leadership through interpersonal and problem-solving skills that contribute to achieving the goal. He/she helps others stay focused, distributes tasks and responsibilities effectively, and monitors group progress toward the goal without undermining the efforts of others.
21C.O.9-12.3.LS6	Student maintains a strong focus on the larger project goal and frames appropriate questions and planning processes around goal. Prior to beginning work, student reflects upon possible courses of action and their likely consequences; sets objectives related to the larger goal; and establishes benchmarks for monitoring progress. While working on the project, student adjusts time and resources to allow for completion of a quality product.