

West Virginia Standards for 21st Century Learning

21st Century Learning Skills and Technology Tools

3-4 Learning Skills Objectives

Upon completion of the fourth grade the student will work productively in a group setting and demonstrate flexibility in assuming different roles and responsibilities. The student will engage in a problem solving process that promotes questioning, investigating and finding solutions and will begin to select appropriate tools for problem solving, self-directed learning and extended learning activities. The fourth grade student understands the meaning of acceptable use, protects online identity and demonstrates personal responsibility in the use of technology. The student continues to expand the use of word processing software, begins to use a spreadsheet to perform calculations, understands the functionality of a database and creates a simple multimedia project. Students use technology tools in a collaborative setting to generate products, create ideas, and to communicate effectively.

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.3-4.1.LS1	Student identifies information needed to solve a problem or complete an assignment, conducts a search and prioritizes various sources based on credibility and relevance, retrieves relevant information from a variety of media sources, and uses this information to create an effective presentation.
21C.O.3-4.1.LS2	Student accurately interprets symbols and visuals and can distinguish fact from opinion when presented with visuals through various media; student uses his/her knowledge to construct new knowledge and communicate information.
21C.O.3-4.1.LS3	Student, cognizant of audience and purpose, articulates thoughts and ideas accurately and effectively through oral, written or multimedia communications.
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.3-4.2.LS1	Student engages, with teacher assistance, in a critical thinking process that synthesizes knowledge and ideas.
21C.O.3-4.2.LS2	Student identifies parts of a system and explains how those parts interact with one another.
21C.O.3-4.2.LS3	Student engages in a problem solving process that promotes questioning, planning investigations and finding answers and solutions.
21C.O.3-4.2.LS4	Student generates ideas for solutions to problems and asks questions in order to create unusual, unique or clever products. Student begins to cognitively recognize the skills of adapting, improving, modifying, and expanding existing thoughts or ideas to create 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.3-4.3.LS1	Student manages and preempts negative emotions before they escalate, exercises self-restraint without assistance, and works productively in a variety of group settings.
21C.O.3-4.3.LS2	Student is flexible in assuming various roles and responsibilities in the classroom and the school, and with minimal assistance, considers alternative methods, solutions and perspectives to solving a problem or completing a task.
21C.O.3-4.3.LS3	Student engages in the goal setting process, and with guidance, demonstrates ability to change focus and direction or use different strategies, while using instructional rubrics and other tools to monitor and evaluate his/her performance.
21C.O.3-4.3.LS4	Student appreciates, accepts and works cooperatively with others, in both academic and social contexts, shares responsibility for continued improvement of the academic performance and climate of the school, and exhibits ethical behavior while working alone or communicating with others.
21C.O.3-4.3.LS5	Student uses his/her interpersonal skills when in an assigned leadership role, helps others stay focused and successfully moves the group toward the goal.
21C.O.3-4.3.LS6	Student focuses on the larger goal of a project, frames appropriate questions related to the goal, develops and initiates a plan of action with specific tasks and appropriate benchmarks, and completes the project on time.