

Idaho Student Information Technology Standards Rationale

Students will live, learn and work in an increasingly complex, technology-driven society. These technology standards are designed to identify foundational skills and processes that students need in order to be productive and successful.

It is essential that computer and technology education be integrated in all grade level content standards. All educators share responsibility for student success.

The eighth grade was chosen because it is considered to be the culmination of the elementary/middle grades and sets the standard for a student entering his or her high school career. Therefore, the following standards are what we expect an eighth grader to know and be able to do in the area of technology.

STANDARD 1: Basic Operations and Concepts

The student will:	Content Knowledge and Skills:
1. Demonstrate a sound understanding of the basic nature and operation of technology systems.	a. Use developmentally appropriate and accurate technology terminology.
	b. Identify the appropriate technology device to complete a task.
	c. Make informed choices among technology systems, resources and services.
2. Demonstrate proficiency in the use of technology.	a. Demonstrate increasingly sophisticated operation of technology components.
	b. Apply strategies for identifying and solving routine software and hardware problems that occur in everyday use.

STANDARD 2: Social, Ethical, and Human Issues

The student will:	Content Knowledge and Skills:
1. Demonstrate an understanding of the ethical, cultural, and societal issues related to technology.	a. Demonstrate knowledge of current changes in technologies and the effect those changes have on the workplace and society.
	b. Demonstrate knowledge of legal and ethical issues when using technology, information sources, and consequences of misuse.
2. Practice responsible use of technology systems, information, and software.	a. Practice responsible use of technological devices and software.
	b. Demonstrate respect for others while using technology.
	c. Exhibit legal and ethical behaviors when using technology and information.

STANDARD 3: Technology Productivity Tools

The student will:	Content Knowledge and Skills:
1. Use technology tools to enhance learning, increase productivity, and promote creativity.	a. Use formatting capabilities of technology for communicating and illustrating.
	b. Use a variety of technology tools for data collection and analysis.
	c. Publish and present information using technology tools.
	d. Use technology tools to support system analysis and modeling.

STANDARD 4: Technology Communications Tools

The student will:	Content Knowledge and Skills:
1. Use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.	a. Use telecommunications efficiently and effectively to access remote information and communicate with others in support of facilitated and independent learning.
	b. Use technology tools for individual and collaborative writing, communication and publishing activities to create curricular related products for audiences inside and outside the classroom.
	c. Collaboratively use telecommunications and online resources.

STANDARD 5:

Technology Research Tools

The student will:	Content Knowledge and Skills:
1. Use technology to locate, evaluate, and collect information from a variety of sources.	a. Locate information from electronic resources.
	b. Evaluate the accuracy, relevance, appropriateness, comprehensiveness and bias of electronic information sources.
2. Use technology tools to process data and report results.	a. Select appropriate technology tools for data analysis and reporting.

STANDARD 6: Technology Problem-Solving and Decision Making Tools

Problem solving is inherent in all disciplines. Technology Standard 6 is designed to provide a cumulative (capstone) experience.

The student will:	Content Knowledge and Skills:
1. Use technology resources for solving problems and making informed decisions.	a. Determine when technology is useful, select and use the appropriate tools, and technology resources to solve the problem, and report findings.