

Grades K, 1, 2, 3

Adopted 2010

Information, Communication and Productivity

Enduring Knowledge - Understandings

- technology is used in all content areas to support directed and independent learning.
- appropriate terminology, computer operations and applications assist in gaining confidence in the use of technology.
- technology requires proper care and maintenance to be used effectively.
- technology is used to communicate in a variety of ways.

Skills and Concepts - Information

- investigate different technology devices and systems (e.g., computer processor unit, monitor, keyboard, disk drive, printer, mouse, digital cameras, interactive white boards)
- use and care for technology (e.g., computers, cell phones, digital cameras, scanners, multimedia) at home, school and community
- use appropriate technology terms (e.g., hardware, software, CD, hard drive)
- demonstrate proper keyboarding techniques, optimal posture and correct hand placement (e.g., left hand for left side keys and right hand for right side keys, special keys such as space bar, enter/return, backspace, shift, delete)

Skills and Concepts - Communication

- use technology to communicate in a variety of modes (e.g., recordings, speech to text, print, media)
- participate in group projects and learning activities using technology communications

Skills and Concepts - Productivity

- explain how information can be published and presented in different formats
- create a variety of tasks using technology devices and systems to support authentic learning

Safety and Ethical/Social Issues

Enduring Knowledge - Understandings

- responsible and ethical use of technology is necessary to ensure safety.
- technology enhances collaboration to contribute to a learning community.

- acceptable technology etiquette is essential to respectful social interactions and good citizenship.
- technology is used in jobs and careers to support the needs of the community.
- assistive technology supports learning to ensure equitable access to a productive life.

Skills and Concepts - Safety

- explain the importance of safe Internet use (e.g., iSafe skills)
- use safe behavior when using technology

Skills and Concepts - Ethical Issues

- use responsible and ethical behavior in using technology
- adhere to the Acceptable Use Policy (AUP) as well as other state and federal laws

Skills and Concepts - Social Issues

- work cooperatively with peers, family members and others when using technology
- collaborate with peers, family members and others when using technology
- explain how technology is used in jobs and careers

Research, Inquiry/Problem- Solving and Innovation

Enduring Knowledge - Understandings

- technology assists in gathering, organizing and evaluating information from a variety of sources to answer an essential question.
- technology is used to analyze real world data and support critical thinking skills through inquiry/problem-solving in order to produce results and make informed decisions.

Skills and Concepts - Research

- use teacher-directed Internet sources as a resource for information
- use electronic resources to access and retrieve information

Skills and Concepts - Inquiry/Problem-solving

- gather technology information/data and use for problem solving in all content areas
- describe at least one strategy for problem solving while using technology (e.g., inquiry/problem-solving software, troubleshooting technology issues)

Skills and Concepts - Innovation

- use technology for original creations/innovation in classroom
- express creativity both individually and collaboratively using technology