

National Educational Technology Standards for Students: The Next Generation

1. Creativity and Innovation

Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students:

- ☉ apply existing knowledge to generate new ideas, products, or processes.
- ☉ create original works as a means of personal or group expression.
- ☉ use models and simulations to explore complex systems and issues.
- ☉ identify trends and forecast possibilities.

2. Communication and Collaboration

Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others. Students:

- ☉ interact, collaborate, and publish with peers, experts or others employing a variety of digital environments and media.
- ☉ communicate information and ideas effectively to multiple audiences using a variety of media and formats.
- ☉ develop cultural understanding and global awareness by engaging with learners of other cultures.
- ☉ contribute to project teams to produce original works or solve problems.

3. Research and Information Fluency

Students apply digital tools to gather, evaluate, and use information. Students:

- ☉ plan strategies to guide inquiry.
- ☉ locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
- ☉ evaluate and select information sources and digital tools based on the appropriateness to specific tasks.
- ☉ process data and report results.

4. Critical Thinking, Problem-Solving & Decision-Making

Students use critical thinking skills to plan and conduct research, manage projects, solve problems and make informed decisions using appropriate digital tools and resources. Students:

- ☉ identify and define authentic problems and significant questions for investigation.
- ☉ plan and manage activities to develop a solution or complete a project.
- ☉ collect and analyze data to identify solutions and/or make informed decisions.
- ☉ use multiple processes and diverse perspectives to explore alternative solutions.

5. Digital Citizenship

Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. Students:

- ☉ advocate and practice safe, legal, and responsible use of information and technology.
- ☉ exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.
- ☉ demonstrate personal responsibility for lifelong learning.
- ☉ exhibit leadership for digital citizenship.

6. Technology Operations and Concepts

Students demonstrate a sound understanding of technology concepts, systems and operations. Students:

- ☉ understand and use technology systems.
- ☉ select and use applications effectively and productively.
- ☉ troubleshoot systems and applications.
- ☉ transfer current knowledge to learning of new technologies.