

# Grades 9, 10, 11, 12

Adopted 2000

## Technology Foundation Standards for Students K-12

### 1. Basic operations and concepts

- a. Students demonstrate a sound understanding of the nature and operation of technology systems.
  - b. Students are proficient in the use of technology.
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### 2. Social, ethical, and human issues

- a. Students understand the ethical, cultural, and societal issues related to technology.
  - b. Students practice responsible use of technology systems, information, and software.
  - c. Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.
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### 3. Technology productivity tools

- a. Students use technology tools to enhance learning, increase productivity, and promote creativity.
  - b. Students use productivity tools to collaborate in constructing technology-enhanced models, preparing publications, and producing other creative works.
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### 4. Technology communications tools

- b. Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.
  - a. Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.
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### 5. Technology research tools

- a. Students use technology to locate, evaluate, and collect information from a variety of sources.
- b. Students use technology tools to process data and report results.
- c. Students evaluate and select new information resources and technological innovations based on the appropriateness to specific tasks.

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**6. Technology problem-solving and decision-making tools**

- a. Students use technology resources for solving problems and making informed decisions.
  - b. Students employ technology in the development of strategies for solving problems in the real world.
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**Educational Technology  
- 2120 (9-12)**

**1 Identify capabilities and limitations of contemporary and emerging technology resources and assess the potential of these systems and services to address personal, lifelong learning, and workplace needs.**

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**2 Make informed choices among technology systems, resources, and services.**

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**3 Analyze advantages and disadvantages of widespread use and reliance on technology in the workplace and in society as a whole.**

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**4 Demonstrate and advocate legal and ethical behaviors among peers, family, and community regarding the use of technology and information.**

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**5 Use technology tools and resources for managing and communicating personal/professional information (e.g., finances, schedules, addresses, purchases, correspondence).**

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**6 Evaluate technology-based options, including distance and distributed education, for lifelong learning.**

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**7 Routinely and efficiently use on-line information resources to meet needs for collaboration, research, publications, communications, and productivity.**

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**8 Select and apply technology tools for research, information analysis, problem-solving, and decision-making in content learning.**

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**9 Investigate and apply expert systems, intelligent agents, and simulations in real-world situations.**

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**10 Collaborate with peers, experts, and others to contribute to a content-related knowledge base by using technology to compile, synthesize, produce, and disseminate information, models, and other creative works.**