

TECHNOLOGY Standards & Benchmarks

The technology foundation standards for students are divided into six broad categories. Standards within each category are to be introduced, reinforced, and mastered by students. These categories provide a framework for linking performance indicators within the profile for Technology Literate Students to the standards. Teachers will use these standards and profiles as guidelines for planning technology-based activities in which students achieve success in learning, communication, and life skills.

<p>Standard 1 BASIC OPERATIONS AND CONCEPTS</p>

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| Benchmark 1.1 | Students demonstrate a sound understanding of the nature and operation of technology systems. |
| Benchmark 1.2 | Students are proficient in the use of technology. |

<p>Standard 2 SOCIAL, ETHICAL, AND HUMAN ISSUES</p>

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| Benchmark 2.1 | Students understand the ethical, cultural, and societal issues related to technology. |
| Benchmark 2.2 | Students practice responsible use of technology systems, information, and software. |
| Benchmark 2.3 | Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity |

<p>Standard 3 TECHNOLOGY PRODUCTIVITY TOOLS</p>

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| Benchmark 3.1 | Students use technology tools to enhance learning, increase productivity, and promote creativity. |
| Benchmark 3.2 | Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works. |

Standard 4
TECHNOLOGY COMMUNICATION TOOLS

- Benchmark 4.1 Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.
- Benchmark 4.2 Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

Standard 5
TECHNOLOGY RESEARCH TOOLS

- Benchmark 5.1 Students use technology to locate, evaluate, and collect information from a variety of sources.
- Benchmark 5.2 Students use technology tools to process data and reports results.
- Benchmark 5.3 Students evaluate and select new information resources and technological innovations based on the appropriateness for special tasks.

Standard 6
TECHNOLOGY PROBLEM-SOLVING AND DECISION-MAKING TOOLS

- Benchmark 6.1 Students use technology resources for solving problems and making informed decisions.
- Benchmark 6.2 Students employ technology in the development of strategies for solving problems in the real world.