

Technology Curriculum

KINDERGARTEN

STANDARD 1

BASIC OPERATIONS AND CONCEPTS

The student will be able to demonstrate basic operations and concepts involving computer applications, hardware, and/or software.

To meet this standard, the student will:

Benchmark 1.1.1: Use input devices and output devices to successfully operate technology efficiently and effectively

Indicators:

- 1.1.1.1 Use and control a mouse, track pad, or other pointer device (I)
- 1.1.1.2 Turn computers and other devices on/off (I)
- 1.1.1.3 Locate placement of letters on keyboard (I)
- 1.1.1.5 Identify keyboard, mouse, monitor, printer, drives, media, and headphones (I)
- 1.1.1.6 Demonstrate good form and accuracy in keyboarding (I)

Benchmark 1.1.2: Use a variety of technology resources for directed and independent learning

Indicator:

- 1.1.2.1 Launch and quit applications and documents (I)

Benchmark 1.1.3: Communicate about technology using appropriate and accurate terminology

Indicator:

N/A

Benchmark 1.1.4: Apply strategies for identifying and solving routine hardware and software problems that occur during everyday use.

Indicator:

N/A

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STANDARD 2

SOCIAL, ETHICAL AND HUMAN ISSUES

The student will develop an understanding of ethical, cultural, and societal issues related to technology and its safe use.

To meet this standard, the student will:

Benchmark 1.2.1: Develop an understanding of ethical, cultural, and societal issues related to technology and its safe use.

Indicator:

N/A

Benchmark 1.2.2: Practice responsible use of technology systems and software

Indicator:

1.2.2.1 Demonstrate good stewardship through proper care of equipment, software, etc. (I)

Benchmark 1.2.3: Work cooperatively and collaboratively with peers when using technology in the classroom.

Indicator:

1.2.3.1 Share ideas and skills related to technology with others (I)

Benchmark 1.2.4: Use developmentally appropriate resources to support learning.

Indicator:

N/A

Benchmark 1.2.5: Demonstrate knowledge of current changes in information technologies and the effect those changes have on society

Indicator:

N/A

Key: 1 = Grade 1.1 Standard 1.1.1 Benchmark 1.1.1.1 Indicator

*I = Introductory Understanding R = Reinforcement and Development of Understanding M = Mastery of Use
SCS Curriculum, Technology, Kindergarten, Sept. 2011*

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STANDARD 3

TECHNOLOGY PRODUCTIVITY TOOLS

The student will use technology tools to enhance learning, increase productivity, and promote creativity.

To meet this standard, the student will:

Benchmark 1.3.1: Use a variety of media, productivity tools, technology resources, and peripherals for directed and independent learning activities to support personal productivity, skill deficits, and facilitate learning throughout the curriculum

Indicator:

N/A

Benchmark 1.3.2: Create developmentally appropriate products with support from teachers, family members, or student partners for problem solving, communication, and illustration of thoughts, ideas, and stories.

Indicator:

1.3.2.1 Use problem-solving, logical, and critical thinking software programs (I)

Benchmark 1.3.3: Use content specific tools, software and simulations to support learning and research.

Indicator:

N/A

Key: 1 = Grade 1.1 = Standard 1.1.1 = Benchmark 1.1.1.1 = Indicator

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STANDARD 4

TECHNOLOGY COMMUNICATION TOOLS

The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

To meet this standard, the student will:

Benchmark 1.4.1: Gather information and communicate with others using technology, with support from teachers, family members, or student partners

Indicator:

N/A

Benchmark 1.4.2: Use technology tools for individual and collaborative writing, communication, and publishing activities to design, develop, and publish products for audiences inside and outside the classroom that demonstrate and communicate curriculum concepts.

Indicator:

N/A

Benchmark 1.4.3: Use technology efficiently and effectively to access remote information and communicate with others in support of direct or independent learning.

Indicator:

N/A

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STANDARD 5

TECHNOLOGY RESEARCH TOOLS

The student will use technology to locate, evaluate, and collect information from a variety of sources.

To meet this standard, the student will:

Benchmark 1.5.1: Use telecommunications and online resources to participate in collaborative problem-solving activities for the purpose of developing solutions or products for audiences inside and outside the classroom.

Indicator:

N/A

Benchmark 1.5.2: Determine which technology is useful and select the appropriate tools and technology resources to address a variety of tasks and problems.

Indicator:

N/A

Benchmark 1.5.3: Use technology resources for gathering and collecting information

Indicator:

N/A

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STANDARD 6

TECHNOLOGY PROBLEM SOLVING AND DECISION MAKING TOOLS

The student will use technology resources for solving problems and making informed decisions to real world problems.

To meet this standard, the student will:

Benchmark 1.6.1: Use technology resources for problem solving, communication, self-directed learning, and illustration of thoughts, ideas, and stories.

Indicator:

1.6.1.1 Use problem-solving, logical, and critical thinking software programs (I)

Benchmark 1.6.2: Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real world problems.

Indicator:

N/A