



ISS Curriculum Document – Standards and Benchmarks

- Grade: 2
- Subject: Technology
- Standards Based Upon : National Educational Technology Standards (NETS)

Standard 1 – Basic Operations and Concepts – (1.1) Students demonstrate a sound understanding of the nature and operation of technology systems. (1.2) Students are proficient in the use of technology.

Indicators

- Students identify the major components of the computer (e.g. mouse, monitor, keyboard, CPU, printer, CD ROM).
- Students communicate about technology using developmentally appropriate and accurate terminology.
- Students are able to start up and shut down the computer.
- Students label the components of the computer and identify whether they are input or output.
- Students use input devices (e.g. mouse, keyboard) and output devices (e.g. monitor, printer) to efficiently and effectively operate computers.
- Students demonstrate developmentally appropriate motor skills when using the mouse.
- Students demonstrate emerging typing skills using developmentally appropriate programs.
- Students are able to save and retrieve saved information in appropriate files using the computer.



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Standard 2 – Social, Ethical and Human Issues – (2.1) Students understand the ethical, cultural, and societal issues related to technology. (2.2) Students practice responsible use of technology systems, information and software. (2.3) Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

Indicators

- Students demonstrate positive social and ethical behaviors when using technology.
- Students work cooperatively and collaboratively with peers and others when using technology in the classroom.
- Students practice responsible use of technology systems and software.
- Students understand that technology has both positive and negative impacts on the environment and culture.



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Standard 3 – Technology Productivity Tools – (3.1) Students use technology tools to enhance learning, increase productivity, and promote creativity. (3.2) Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works.

Indicators

- Students use a variety of tools (e.g.) for directed and independent learning activities.
- Students use developmentally appropriate multimedia resources (e.g. interactive books, educational software) to support learning.
- Students create products (e.g.) using a variety of developmentally appropriate tools (e.g. Microsoft Word, Paint).



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Standard 4 – Technology Communications Tools – (4.1) Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences. (4.2) Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

Indicators

- Students use the basic functions (e.g.) of email to communicate with their peers, teacher and parents.
- Students use the internet to gather and share information.
- Students use internet based programs to send inquiries and to contact experts and or peers from around the world to further their learning.



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Standard 5 – Technology Research Tools – (5.1) Students use technology to locate, evaluate, and collect information from a variety of sources. (5.2) Students use technology tools to process data and report results. (5.3) Students evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

Indicators

- Students search for appropriate information using internet search engines and search options within software.
- Students select appropriate sources of information to collect and gather data.
- Students sort and analyze data to determine if the data meets the search criteria.



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Standard 6 – Technology Problem - Solving and Decision-Making Tools – (6.1) Students use technology resources for solving problems and making informed decisions. (6.2) Students employ technology in the development of strategies for solving problems in the real world.

Indicators

- Students use technology resources to solve problems.
- Students select the most appropriate technology resource to solve problems.