

**ISPS Technology Pre-K-12
Standards and Benchmarks**
(Adopted from ISTE NETS for Students 2007)

Pre-Kindergarten

(Revised Nov. 2011)

Strands

1. Technology Operations and Concepts
2. Digital Citizenship
3. Communication and Collaboration
4. Research and Information Fluency
5. Critical Thinking, Problem Solving and Decision Making
6. Creativity and Innovation

Strand 1 – Technology Operations and Concepts

Standard 1 - Students demonstrate a sound understanding of technology concepts, systems, and operations.

Benchmarks - By the end of Pre-Kindergarten, students will:

- 1 – 1 Use input devices (e.g. *mouse, keyboard*)
- 1 – 2 Navigate within a learning program (e.g. *Reading Blaster*)
- 1 – 3 Use a simple drawing program (e.g. *KidPix*)
- 1 - 4 Navigate in pre-selected Internet sites (i.e. *crayola.com, starfall.com*)

Strand 2 – Digital Citizenship

Standard 2 – Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

Benchmarks - By the end of Pre- Kindergarten, students will:

- 2 – 1 Demonstrate proper care and use of technology tools

Strand 3 – Communication and Collaboration

Standard 3 – 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.

Benchmarks - By the end of Pre-Kindergarten, students will:

- 3 – 1 Work independently in a responsible manner when using technology
- 3 – 2 Begin to cooperate with others when using technology

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Strand 4 – Research and Information Fluency

Standard 4 – Students apply digital tools to gather, evaluate, and use information.

Benchmarks - By the end of Pre- Kindergarten, students will:

4 – 1 Independently navigate simple technology applications for learning

Strand 5 – Critical Thinking, Problem Solving and Decision Making

Standard 5 - Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

Benchmarks - By the end of Pre-Kindergarten, students will:

5 – 1 Practice making decisions within given learning programs

Strand 6 – Creativity and Innovation

Standard 6 – Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.

Benchmarks - By the end of Pre- Kindergarten, students will:

6 – 1 Create original digital illustrations

6 – 2 Make changes and manipulate given illustrations (color, size, placement)