

TECHNOLOGY KINDERGARTEN

STANDARDS

- 1.0 **Problem Solving** — Students utilize problem-solving processes through the use of resources to reach a desired outcome.
- 2.0 **Productivity Tools** — Students use appropriate productivity tools including, but not limited to, word processing spreadsheet, database, multimedia and telecommunications.
- 3.0 **Research Tools** — Students use various technology tools to research information and evaluate its accuracy and appropriateness in order to solve problems and make decisions.
- 4.0 **Tools and Processes** — Students identify, apply concepts, and manage various tools and resources to evaluate their accuracy and appropriateness in solving problems and making decisions.
- 5.0 **Systems** — Students recognize that systems are made up of individual components and that each component affects the operation of the system and its relationship with other systems.
- 6.0 **Implications on Society** — Students evaluate the impact and ethical implications on individuals, society and the environment.

ESSENTIAL CONCEPTS, SKILLS, AND EXPERIENCES

PROBLEM SOLVING

It is expected that students will:

- (K)1.1 discuss a design/problem-solving method

PRODUCTIVITY TOOLS

It is expected that students will:

- (K)2.1 identify parts of the computer
- (K)2.2 demonstrate proper care and handling of equipment (computers)
- (K)2.3 use input devices (e.g., mouse, keyboard, remote control) and output devices (e.g., monitor, printer) to successfully operate computers, and audiotapes
- (K)2.4 use a variety of media and technology resources for directed and independent learning activities
- (K)2.5 demonstrate proper keyboarding skills (i.e., locate and use letters, numbers, and special keys on a keyboard using the left or right hand) [NS 2.3.1]
- (K)2.6 demonstrate proper navigation of the desktop, which includes:
- a. appropriate cursor movement
 - b. opening and closing
- (K)2.7 follow proper sequence to run programs, which includes starting and exiting programs

TECHNOLOGY KINDERGARTEN (continued)

- (K)2.8 type simple words with guided instruction
- (K)2.9 use multimedia software

RESEARCH TOOLS

It is expected that students will:

- (K)3.1 select a research topic or define a problem with guided instruction, using technology tools
[NS 3.3.1]
- (K)3.2 generate keywords for a research topic or problem with guided instruction

TOOLS AND PROCESSES

It is expected that students will:

- (K)4.1 use technologies as an educational tool in all content areas
- (K)4.2 use technologies independently and collaboratively
- (K)4.3 recognize the importance of safety in computer and technology applications
[NS 4.3.3]

SYSTEMS

It is expected that students will:

- (K)5.1 identify and categorize systems that provide food, clothing, shelter, and other necessities and comforts of life

IMPLICATIONS ON SOCIETY

It is expected that students will:

- (K)6.1 describe and use required classroom procedures for use of technology
- (K)6.2 describe how technology is used in daily activities to meet personal needs