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Technology is evolving at an amazing rate. It is the philosophy of Old Bridge Township Public Schools to foster the infusion of technology education across all subject areas—throughout all grade levels. We strive to insure that all students understand and be comfortable with the concepts and applications of technology, not only to function in today's complex society, but also to become informed and productive adults of tomorrow.

As a parent, you should understand what is required of your child with regard to technological literacy. Your child is actively involved in his/her own learning. Today's children learn best by *doing* an activity rather than being *told* what to do. By involving children in learning, they become more excited and interested in learning. They also learn to use tools, such as computers and calculators, to help them learn. In addition, your child learns about Internet Safety through our Internet Safety Curriculum. Therefore, it is important for you, as a parent, to know and understand what is expected of your child when it comes to using technology in the classroom.

This brochure is provided to you as a service of the Technology Department. It provides you with benchmarks or mile markers your child should reach at each grade level.

Rosanne M. Moran
Director of Technology

**Old Bridge Township
Public Schools**

What Your Child Needs to Know

A Guide For Parents



Profiles for Technology- Literate Students

David Cittadino
Superintendent of Schools

What Your Child Needs to Know: Profiles for Technology-Literate Students



Pre-K through Kindergarten

Your Pre-K - Kindergartener should:

- Be able to name the parts of the computer
- Begin to recognize letters/numbers and type them on a keyboard
- Be able to use a mouse
- Be able to group items and count
- Begin to understand “sequences”
- Exhibit respect for the work of others
- Begin to understand what it means to be a good “cyber citizen”
- Use hardware and software with care
- Work and play cooperatively with others

Grade 1 — Grade 2

Your Grade 1 - Grade 2 child should:

Build on the skills learned in Pre-K and Kindergarten and:

- Use technology at home and at school
- Gather, organize and arrange data, i.e., be able to classify household items, animals, etc.
- Begin to use a word processing program to write words, numbers, and simple sentences
- Begin to explore multimedia, such as interactive websites, online videos, graphics, educational software, and interactive electronic books—with appropriate supervision
- Begin to use technology resources such as logical thinking programs and drawing tools to illustrate their thoughts and ideas
- Begin to use and identify pull-down menus and icons
- Recognize technology as a “tool” to get things done more efficiently and that different jobs require different software

Grade 3 — Grade 5

Your Grade 3 - Grade 5 child should:

Build on the skills previously learned and:

- Have a basic understanding of the Copyright Law as it applies to the use of electronic resources
- Use keyboards and other common input/output devices (CD-ROMs, DVDs, flash drives, cloud storage, printers) efficiently and effectively
- Be able to discuss common uses for technology in daily life and the advantages and disadvantages those uses provide
- Begin using databases to collect, analyze and report information
- Use spreadsheets to collect, compute and report information
- Use presentation software to share information with groups
- Build on their word processing skills to produce visually attractive documents and increase keyboarding speed
- Use technology tools to work alone or with others to share presentations
- Begin to use “coding” programs and to understand that different variables produce different outcomes
- Begin to explore e-mail—with appropriate supervision
- Continue to use technology tools for problem solving and to be able to select the correct “tool” to complete the task at hand
- Use search engines and begin to evaluate electronic information sources for accuracy, relevance, appropriateness and comprehensiveness
- Understand the need for protection against viruses and vandalism
- Understand the principles of safe Internet use and become responsible “cyber citizens”



Grade 6 — Grade 8

Your Grade 6 - Grade 8 child should:

Build on skills previously learned and:

- Apply strategies for solving routine hardware/software problems during computer use
- Understand the role of technology in the workforce and society
- Exhibit legal and ethical behaviors when using electronic resources, hardware and software
- Use computer-generated simulations to solve problems
- Work collaboratively to produce web pages, digital movies, and interactive presentations to share information with others



Grade 9 — Grade 12

Your Grade 9 - Grade 12 child should:

Build on skills previously learned and:

- Be able to make informed choices among technology systems, resources and services
- Use technology efficiently and effectively in the form of hardware and software—such as word processing, spreadsheets, presentation software, databases, and e-mail to manage and communicate
- Understand and use technology-based options, such as distance learning, online classes, blogs, and web forums, to learn and share
- Apply simulations to real-world situations
- Collaborate with peers, experts and others to contribute and share knowledge
- Apply the use of technology to solving real-life problems and as a tool for life-long learning