

Montpelier Schools
 First Grade
 Technology Applications and Information Tools
 Ohio Technology Content Standards 3, 4, and 5
Scope and Sequence

Key: I – Introduce, C – Continuation, M - Mastery

Standard 3

Technology for Productivity Applications

Students learn the operations of technology through the usage of technology and productivity tools.

Benchmark A: Understand basic computer and multimedia technology concepts and terminology.		
Skills	Level	Comments
Locate computer and multimedia technology in the classroom and identify it by name	C	
Identify and use computer and multimedia technology and know the terms used to describe it • Computer • Printer • VCR-DVD player • Audio players	I	
Name the basic parts of a computer	C	
Identify various parts of a computer by name • Monitor • Mouse • Keyboard • Power button • Disk drive • CD/DVD drive	I	
Use computer and multimedia technology with teacher assistance • Computer • TV • DVD/VCR • Listening Station	C	

Benchmark B: Demonstrate operation of basic computer and multimedia technology tools.		
Skills	Level	Comments
Kindergarten Skills	C	
Discuss and demonstrate proper care when using computer and multimedia technology resources • Describe rules • List directions	I	
Turn computer and multimedia technology resources on and off.	C	
Discuss software and why it is necessary to operate computer and multimedia technology.	I	
Start, use and exit software programs with teacher assistance. • Star Reader • Accelerated Reader • SMART Notebook	C	
Use input and output devices to operate computer and multimedia technology tools with teacher assistance. Keyboard and Mouse Monitor and Printer SMART Board	C	

Use software programs designed to develop problem-solving skills.	I	
Begin to locate letters and special keys on the keyboard with teacher assistance (e.g., enter key, escape key, space bar).	I	

Benchmark C: Use productivity tools to produce creative works.		
Skills	Level	Comments
Kindergarten Skills	C	
Describe how productivity tools are used to create documents, presentations and drawings. - Paint - SMART Notebook - SMART Ideas	I	
Use technology resources with teacher assistance - Pre-selected Web sites - Launching applications - Educational software	C	

Standard 4

Technology and Communication Applications

Students use an array of technologies and apply design concepts to communicate with multiple audiences, acquire and disseminate information, and enhance learning.

Benchmark A: Investigate the nature and operations of communication systems.		
Skills	Level	Comments
Kindergarten Skills	C	
Explain media formats used to communicate information - e-mail - Newsletters - TV - Phones - Newspapers - Web pages	I	
Show, within a group, various types of communication formats used in everyday life.	I	

Benchmark B: Explore how information can be published and presented in different formats.		
Skills	Level	Comments
Kindergarten Skills	C	
Create documents with teacher assistance (e.g., students observe the teacher making a document, they add ideas, and select images for the teacher to import). - Microsoft Word - SMART Ideas - SMART Notebook	I	
Identify and explore different forms of electronic communication - Written documents in electronic form - e-mail - Web pages - Video and other forms of multimedia	I	

Benchmark C: Participate in group projects and learning activities using technology communications.		
Skills	Level	Comments
Engage in teacher-directed online learning activities - online field trips - Video Streaming	C	

Standard 5

Technology and Information Literacy

Students engage in information literacy strategies, use the Internet, technology tools and resources, and apply information-management skills to answer questions and expand knowledge.

Benchmark A: State what information is, and show where it can be found.		
Skills	Level	Comments
Kindergarten Skills	C	
Talk about the difference between factual information and fiction - What is real and what is pretend or make-believe - Not all information on the internet or in books is factual	I	
Use a graphic organizer to sort information. - SMART Ideas - SMART Notebook	I	

Benchmark B: Use a simple research process model which includes deciding what to use, finding resources, using information and checking work to generate a product.		
Skills	Level	Comments
Ask questions about an identified topic and list facts already known about the topic (e.g., graphic organizers for brainstorming, charting, webbing) - SMART Ideas - SMART Notebook	I	
Find information in a technology-based resource (e.g., Web site, database, DVD, software program, video). - United Streaming - Web Pages (e.g. Online Encyclopedia)	C	
Use technology to tell what was learned from information gathered (e.g., use simple presentation tools to create a poster, book, slide show). - SMART Ideas - SMART Notebook	C	
Tell where information came from (e.g., name of Web sites, software, databases).	I	

Benchmark C:

Apply basic browser and navigation skills to find information from the Internet.

Skills	Level	Comments
List types of information available on the Internet • Educational Research • Entertainment • Current Events - News	C	
Use teacher or librarian selected Web site to find information or learn new things. • Teacher Web Page • SynchronEyes	I	
Use browser tools and buttons: • Forward and back button; • Home button; and • Choose a link from the bookmarks or favorites list.	I	