

Cincinnati Teacher Center
MST Curriculum Analysis – Intermediate
Computer Technology (Grade 5)

Standard 5: Computer Technology
Core: Math, Science, and Technology

Performance Indicators	Activity	Level of Instruction (I,R,M)	Assessment
Assemble a computer system including keyboard, central processing unit and disc drives, mouse, modem, printer, and monitor	<ul style="list-style-type: none"> • Understand the network system used by the school • Locate the various components of a computer system on the inside and outside • Create a list of “Tech Talk” vocabulary words to enhance knowledge about computer systems and programs 	I	Oral Q&A and observation
		I	Discussion and sharing
		I	Frequent building and revisiting of list of “Tech Talk” vocabulary words View streamed videos about various “Tech Talk” terms
Use a computer system to connect to and access needed information from various Internet sites	<ul style="list-style-type: none"> • Utilize search engines as research tools • Understand the importance of search terms and phrases when seeking specific information • Recognize credible websites • Realize the importance of writing down source information and know how to 	I	Oral Q&A and observation
		I	Complete research activities in class
		I	Complete research projects for core subjects
		I	Complete email activities in class
		I	

	<p>site sources in a document</p> <ul style="list-style-type: none"> • Understand the importance of email etiquette • Use Eudora to send and receive basic emails from classmates and teachers • Understand how and why some emails can be harmful to a computer system • Recognize unwanted and potentially harmful emails and know how to safely remove them from the Inbox and Junk Mail box 	<p>I</p> <p>I</p>	
<p>Use a computer as a modeling tool</p>	<ul style="list-style-type: none"> • Identify the various programs featured on the computer system and their functions • Demonstrate how to use each program on a beginner level 	<p>I</p> <p>I</p>	<p>Oral Q&A and observation</p> <p>Discussion and sharing</p> <p>Use the following programs: Microsoft Word Microsoft PowerPoint Microsoft Excel Microsoft Publisher Internet Explorer KidPix Inspirations</p> <p>Complete in-class activities for various computer programs</p> <p>Complete core subject projects using various computer programs</p>

<p>Use a computer system to monitor and control external events and/or systems</p>	<ul style="list-style-type: none"> • Use knowledge of current technology, along with various computer programs, to create a scenario for the technological advances that will be available in four years (once students have completed 8th grade) 	<p>I</p>	<p>Observation</p> <p>Discussion and oral Q&A</p> <p>Design a scenario of changes in technology four years into the future</p>
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Grade 5 Units and Projects

Research Project (2 class periods) – Students will complete a short research project* during which their researching skills will be utilized and fine-tuned. This project will ensure students are ready to take on research projects throughout the year that are assigned by their core subject teachers.

Tech Talk (ongoing) – Students will learn the terminology necessary to use computers and other technological equipment effectively. Students will be required to keep a running list of terms that they will refer to throughout the year. Many activities will be organized to supplement and reinforce the terms that have been introduced to the students.

Science Fair Project Research (5 class periods) – Students will use their research skills to research and document information for their Science Fair Projects.

Harcourt Math (ongoing) – Students are registered with the Harcourt math series to do lessons and educational games that correspond to their math work books and in class lessons. This is fun drill and practice with problem solving type questions mixed in to give the students another way to learn their math facts.

Social Studies Research Project (4-5 class periods) – Students will use their research skills to complete a research project for their Social Studies class. Topics for the projects are determined by the Social Studies teacher. Students will be evaluated in class on their use of the research skills studied previous to this project.

Bullying Program CD-ROM (3 class periods) – Students will complete a Bullying Program as suggested by the Cincinnati School District. This program involves

students listening to and watching the program on the computer and then answering questions that relate to the students' personal experiences with bullying. The program is completely anonymous, and the information obtained from this program allows the school to evaluate the amount of bullying occurrences as reported by the students.

MicroType 4 (ongoing) – Students will utilize the MicroType 4 program as a tool to build upon their touch typing skills. Students will complete individual lessons and take Timed Typing tests. Results from the Timed Typing tests will be used as a grade for the student. The results of these tests will also be used to gauge student progress throughout the year. It is recommended that students be able to type at least 7 words per minute by the end of the school year.

Technology Time Capsule (2 class periods) – Students will use their knowledge of the changing of technology in recent years to predict the changes that will have taken place by the time they have reached 8th grade. These predictions will be stored in a “time capsule” and will be recovered at the end of the student’s 8th grade school year for students to reexamine.

Creation of Newsletter (ongoing) – Throughout the year, students will be involved in the production of a Middle School Newsletter. Students will contribute news articles, and interviews, along with their creative input, to help construct a newsletter for publication and distribution.

Technology Tools (ongoing) – Throughout the school year, students will have many opportunities to learn about and use various technology tools such as: digital cameras, scanners, microphones, printers, and projectors.