Cincinnatus Teacher Center
MST Curriculum Analysis – Intermediate
Computer Technology (Grade 6)

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	• Understand the network system used by the school • Locate the various components of a computer system on the inside and outside	R R,M	Oral Q&A and observation Discussion and sharing Frequent revisiting of list of "Tech Talk" vocabulary words established in 5th grade
Use a computer system to connect to and access needed information from various Internet sites	• 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 site sources in a document • Understand the	R,M R,M R,M R,M R,M R,M	Oral Q&A and observation Complete research activities in class Complete research projects for core subjects Complete email activities in class

	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**	**R,M** **R,M**	
Use computer hardware and software to draw and dimension prototypical designs	• **Understand the role of computer technology in many types of businesses** • **Use 3-D Home Architect to design homes according to specific criteria established by the teacher**	**I** **I**	Oral Q&A and observation Discussion and sharing Complete Home Creation Projects
Use a computer as a modeling tool	• **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**	**R,M** **R,M** **R,M** **R,M**	Oral Q&A and observation Discussion and sharing Complete email activities in class Use the following programs: Microsoft Word Microsoft PowerPoint Microsoft Excel Microsoft Publisher

	safely remove them from the Inbox and Junk Mail box		Internet Explorer KidPix Inspirations
	• Identify the various programs featured on the computer system and their functions	I,R	Complete in-class activities for computer programs
	• Demonstrate how to use each program	I,R	Complete core subject projects using various computer programs

Grade 6 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.

Monster Essay (2 class periods) – Using story starters* given by the teacher, students will practice their typing skills by typing a short essay about what happens to a monster when he gets lost in Cincinnatus. This activity also familiarizes students with Microsoft Word. Students will also practice spelling, grammar, punctuation, and the format of a short essay.

*Possible story starters to use:
"I was walking home from school one day when I noticed some bushes shaking ahead of me. I stopped in my tracks as a monster jumped out. It looked like…"
"I was hanging out with my friends during the Fourth of July celebration when we decided to go over to the soccer field and play soccer. As I went to kick the ball into the goal, I noticed that something else was already in there. It was a monster and it…."

Science Fair Project Research (5 class periods) – Students will use their research skills to research and document information for their Science Fair Projects. They will also be required to type their Science Fair Journals, which document the students' actions that led to the completion of the Project.

Excel Survey Project (4 class periods) – Students will conceive and plan out a project for which they will take a survey regarding a chosen topic; this topic must be approved by the teacher. They will then conduct their surveys and record the data. Using this data and Microsoft Excel, students will create a graph or chart that best displays their data.

PowerPoint Projects (4 class periods each) – Students will complete various projects using Microsoft PowerPoint. These projects will require students to develop a slideshow with the purpose of teaching someone how to do something. Topics can vary and must be approved by the teacher, but it is strongly encouraged that students choose a topic that is school-related. Sample topics include how to use a specific computer program, how to simplify a mixed fraction, how to conduct a science experiment, and how to write a short essay.

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 Cincinnatus 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.

Review of "Tech Talk" (5 class periods) – During the 5th grade, students completed a Tech Talk unit, during which they learned necessary terminology related to technology. A review of this terminology will allow students to familiarize themselves with the technology available to them at the school. Revisiting the terms will also allow students to learn the terms for a second time and perhaps make a better connection to the meaning of the terms considering they have been exposed to them once before.

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 gage student progress throughout the year. It is recommended that students be able to type at least 10 words per minute by the end of the school year, in preparation for the Keyboarding class they will take in 7th Grade.

Creation of a Website (20 class periods) – Students will learn the basics of creating and maintaining a website. They will understand the importance of organization and appropriateness when creating a website. Students will then create their own webpage that will be linked to the teacher's website, allowing students to access each other's webpages.

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.