



ISE GRADE FIVE INFORMATION TECHNOLOGY CURRICULUM STANDARDS / LEARNING OUTCOMES



| <u>Curriculum Standards/Learning Outcomes</u> | <u>Teaching Strategies</u> | <u>Resources</u> |
|---|---|--|
| <p><u>Topic One: Basic Operations and Concepts</u></p> <p>Hardware and Software:</p> <p>Keyboarding and Data Entry:</p> | <ul style="list-style-type: none">• Control equipment (computers, video players, tape recorders and other technological hardware) by giving a series of instructions• Use external input devices (video camera, digital camera) to input information into computers and video players• Use a printer correctly (add paper, remove work)• Use a floppy disk and CD-Rom • Demonstrate proper keyboarding skills• Type to the target of 25 words per minute | <ul style="list-style-type: none">• Monitor• Mouse• Keyboard• Headphone• Speakers• CD-Rom• Floppy Disk• USB• Projector • Kiran;s Typing Tutor |
| <p><u>Topic Two: Social and Ethical Issues</u></p> <p>Copyright:</p> | <ul style="list-style-type: none">• Know that it is illegal to make copies of copyrighted materials• Know that when information is used in a project or presentation, the source must be acknowledged and referenced correctly• Know and use the rules and laws for allowing the use of text, graphics, sound and movies in a multimedia presentation• Show an awareness and adherence to the site acceptable use policy• Participate in the discussion of copyright and acceptable use of technology | |



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| <p><u>Topic Three: Technology Productivity Tools</u></p> <p>Sorting and Matching:</p> <p>Creativity:</p> <p>Change and Manipulate:</p> | <ul style="list-style-type: none"> • Cut and paste information in a document • Develop multimedia presentations which organize text, graphics, sound and movies • Use a software package for creative writing • Use a word processing program to produce a document..(reinforced) • Create and edit a picture using a draw or paint package • Create a multimedia presentation using age appropriate authoring software • Use a desk top publishing program..(reinforce) | <ul style="list-style-type: none"> • Paint.net • Audacity • Storybook Weaver • MS Word • MS Publisher • MS Power Point |
| <p><u>Topic Four: Technology Communication Tools</u></p> <p>Present Material:</p> | <ul style="list-style-type: none"> • Use multiple sources of information to create an original work using technological tools | |
| <p><u>Topic Five: Technology Research Tools</u></p> <p>Access Information:</p> | <ul style="list-style-type: none"> • Develop the use of information computer programs with assistance • Access information from books, audio visual sources and computer software with assistance • Learn to conduct research using the Internet and subject specific software | <ul style="list-style-type: none"> • Internet Explorer • Encarta • Google Earth |



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| <p>Retrieve and Store:</p> <p><u>Topic Six: Problem Solving and Decision Making</u></p> <p>Problem Solving:</p> | <ul style="list-style-type: none">• Retrieve and store information on computer disks with assistance • Use simple applications for problem solving and decision making• Use a math program for learning math and numbers | <ul style="list-style-type: none">• Math Blaster• Investigations <p>* All listed software and Internet programs periodically reviewed and updated as needed</p> |