

Trinity Area School District

Course: Elementary Technology Grade: 1 st	Overview of Course: Elementary technology in First Grade expands upon skills learned in Kindergarten. The course reviews effectively controlling the mouse, understanding the location of computer parts, navigating the desktop and internet, using basic software applications, and being safe online. The emphasis is on effectively using Microsoft Word to create written documents and incorporate relevant graphics.
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Overarching Big Ideas, Enduring Understandings, and Essential Questions

Big Idea	Standard(s) Addressed	Enduring Understanding(s)	Essential Question(s)
Digital Citizenship	15.4.2.B Demonstrate responsible use of technology and equipment. 15.3.2.T With prompting and support, answer questions related to digital citizenship.	It is important to be responsible when handling technology equipment and when using software and applications. Being safe online is essential.	How do you use computer equipment properly? How do you responsibly use computer programs? What things should you do to stay safe online?
Equipment	15.4.2.C With prompting and support, identify peripheral devices of computer system including input and output devices. 15.4.2.D Demonstrate the correct use of simple input technologies (e.g., mouse, touch screen, microphone, etc.).	In order to effectively use a computer, you must understand the basic layout and functions. Computers have peripheral devices to aide in input and output.	<i>How do you turn the computer and monitor on?</i> <i>What are the steps in printing a document?</i> What are ways to effectively use the mouse and keyboard?

Big Ideas, Enduring Understandings, and Essential Questions Per Unit of Study

Title of Unit	Big Idea(s)	Standard(s) Addressed	Enduring Understanding(s)	Essential Question(s)
Internet Navigation	Interactions	15.6.2.L With help and support, use web browser to locate content specific websites.	All internet browsers share similar features. Using a search engine allows you to find specific information on the internet.	<i>How do you use the browser icons?</i> What is a search engine and what are ways to use it?
Digital Design: Microsoft Paint	Discovery Creativity Patterns	15.4.2.G With help and support, select and use various software/applications for an intended purpose.	Creating products with Paint increases hand-eye coordination and provides visual representation of the user's imagination. All Microsoft programs share similar icons to perform tasks.	<i>How do you use the program icons?</i> <i>Can you follow the cursor as you move the mouse?</i> How are the icons in Microsoft Paint similar to those found in other Microsoft products?
Desktop Skills	Security Systems Patterns	15.4.2.B Demonstrate responsible use of technology and equipment. 15.4.2.D Demonstrate the correct use of simple input technologies (e.g., mouse, touch screen, microphone, etc.).	In order to keep information private, one must secure his profile with a username and password and log off when finished. Computer operating systems have various icons that perform specific functions. Files are easily accessed when saved and opened correctly.	<i>How do you log in with a username and password?</i> <i>How do you log off?</i> <i>What icon(s) open or close programs and applications?</i> What are ways to save or open a file from your H drive?
Keyboarding	Patterns	15.4.2.D Demonstrate the correct use of simple input technologies (e.g., mouse, touch screen, microphone, etc.).	To input data, one can use the keyboard. There is an ergonomically correct way to touch type.	<i>Can you find the location of letters and special characters using proper hand placement?</i> <i>What is the correct posture and hand placement for touch typing?</i>

Title of Unit	Big Idea(s)	Standard(s) Addressed	Enduring Understanding(s)	Essential Question(s)
Word Processing	Perspective	<p>15.4.2.G With help and support, select and use various software/applications for an intended purpose.</p> <p>CC1.4.1.U With guidance and support use a variety of digital tools to produce and publish writing including in collaboration with peers.</p>	<p>You can change the appearance of a document by formatting the font.</p> <p>Microsoft Word automatically wraps text as the user types.</p> <p>Formal typed documents follow certain conventions.</p>	<p>What are ways to change what the font looks like both before and/or after typing?</p> <p><i>What is text wrapping?</i></p> <p><i>What is the proper way to use spacing in a document?</i></p> <p><i>When should you use shift vs. caps lock?</i></p>
Digital Design: PowerPoint	Discovery Creativity Patterns	<p>15.4.2.G With help and support, select and use various software/applications for an intended purpose.</p>	<p>All Microsoft programs share similar icons to perform tasks.</p> <p>People can share information through visual presentations.</p>	<p><i>How do you use the program icons?</i></p> <p><i>How is moving through the slides when making a project different than during a presentation?</i></p> <p>How do you create a presentation with text, graphics, and slide transitions?</p> <p>What are ways to search for and manipulate clipart?</p> <p>How are the icons in Microsoft PowerPoint similar to those found in other Microsoft products?</p>