

**Shrewsbury Borough School Technology Curriculum 2012
Grade 1**

Marking Period 1:	Marking Period 2:	Marking Period 3:	Marking Period 4:
<p><u>Topic 1:</u> <u>Computer Parts/</u> <u>Summer:</u></p> <p>Objectives:</p> <p>Show an understanding of common computer terms and parts.</p> <p>Demonstrate ability to open specific applications.</p> <p>Identify and demonstrate the difference between a click and a double click.</p> <p>Demonstrate how to click and drag using the mouse.</p> <p>Demonstrate ability to select specific tools within the application.</p> <p>Demonstrate ability to create a text box and correctly type.</p>	<p><u>Topic 5:</u> <u>Thanksgiving</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p> <p>Demonstrate ability to use the Shift Key, Space Bar, and Delete Key.</p> <p>Gain knowledge of the keyboard.</p> <p>Type sentences.</p> <p>Insert Clip Art in a Word document.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open a blank document in Microsoft Word.</p> <p>Type three to five sentences about what they like to do for Thanksgiving.</p> <p>Learn how to insert clip art in</p>	<p><u>Topic 9:</u> <u>Math Baseball</u></p> <p>Objectives:</p> <p>Understand certain technology terms.</p> <p>Demonstrate ability to go to a specific web address and navigate through a website.</p> <p>Understand how to double click to navigate through the game.</p> <p>Complete addition and subtraction math problems online.</p> <p>Lessons, Activities, & Student Products:</p> <p>Discuss difference between URL box and Google box.</p> <p>Students will open Safari and type in specific web address.</p> <p>They will navigate through the website to get to a specific</p>	<p><u>Topic 12:</u> <u>Ambition Posters</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p> <p>Demonstrate ability to use the Shift Key, Space Bar, and Delete Key.</p> <p>Gain knowledge of the keyboard.</p> <p>Compose three sentences telling about an ambition.</p> <p>Create picture with their face of what their ambition is.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open a blank document in Pixie</p> <p>Using a text box, they will type three to five sentences about what they want to be when they grow up, why they want to be</p>

<p>Lessons, Activities, & Student Products:</p> <p>Students will review computer parts and terms by completing SMART Board tasks as a class.</p> <p>Open Pixie and draw a picture of their favorite part of the summer.</p> <p>Create text box and type “My Summer”.</p> <p>Change the font style, color, and size.</p> <p>Essential Questions:</p> <p>Can the student double click, manipulate the mouse, and click and drag?</p> <p>Materials:</p> <p>Pixie</p> <p>Name Tag (help them spell name)</p>	<p>Microsoft Word.</p> <p>Remind students about how to use correct spacing, capital letters, and formatting.</p> <p>Change font style, color and size.</p> <p>Review how to highlight.</p> <p>Essential Questions:</p> <p>In a world of constant change, what skills should we learn?</p> <p>Materials:</p> <p>Microsoft Word</p> <p>Colored Printer</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Skills Based Assessment</p> <p>Classroom Participation</p>	<p>game.</p> <p>Learn how to double click on certain letters/numbers to accomplish the highest score.</p> <p>Essential Questions:</p> <p>In a world of constant change, what skills should we learn?</p> <p>Materials:</p> <p>Safari (internet connection)</p> <p>Web Site Address</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Skills Based Assessment</p> <p>Classroom Participation</p> <p>Topic 10: <u>Valentine’s Day</u></p> <p>Demonstrate ability to open an application.</p> <p>Understand when and how to use specific keys to properly format a Word document, including the apostrophe.</p>	<p>that, and how they are going to get there.</p> <p>Use the web cam to take a picture of their face and draw the picture to correspond to their sentences.</p> <p>Remind students about how to use correct spacing, capital letters, and formatting.</p> <p>Change font style, color and size.</p> <p>Review how to highlight.</p> <p>Essential Questions:</p> <p>In a world of constant change, what skills should we learn?</p> <p>Materials:</p> <p>Pixie</p> <p>Color Printer</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Skills Based Assessment</p> <p>Classroom Participation</p>
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<p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p> <p><u>Topic 2:</u> <u>Families:</u></p> <p>Objectives:</p> <p>Demonstrate ability to open specific applications.</p> <p>Demonstrate ability to open activities within a program.</p> <p>Understand how to change size of paintbrush to fit certain size restrictions.</p> <p>Demonstrate ability of mousing skills.</p> <p>Learn how to make numerous text boxes on a single page.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open pre-made Pixie family document.</p> <p>Select a paintbrush size and</p>	<p><u>Topic 6:</u> <u>Winter Movies</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p> <p>Understand when and how to use specific keys to properly format a Word document.</p> <p>Type sentences on specific topic.</p> <p>Create a drawing to go along with sentences.</p> <p>Record voice to create movie.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open Word and type sentences telling why they like winter.</p> <p>Remind students about how to use correct spacing, capital letters, and formatting.</p> <p>Change font style, color and size.</p> <p>Review how to highlight.</p>	<p>Type in text box.</p> <p>Create a drawing on theme.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open Pixie and create a drawing about Valentine’s Day using paintbrush, stickers, and stamps.</p> <p>Remind students about how to use correct spacing, capital letters, and apostrophe.</p> <p>Change font color and size.</p> <p>Review how to highlight.</p> <p>Students have option to use webcam for additional pictures/stickers.</p> <p>Essential Questions:</p> <p>How do I choose which technological tools to use and when it is appropriate to use them?</p> <p>Materials:</p> <p>WebCam</p>	<p><u>Topic 13:</u> <u>Nursery Rhymes</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p> <p>Demonstrate ability to use the Shift Key, Space Bar, and Delete Key.</p> <p>Gain knowledge of the keyboard.</p> <p>Type specific nursery rhyme.</p> <p>Use stickers to represent words.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open a blank document in Pixie</p> <p>Using a text box, they will type the nursery rhyme given to them.</p> <p>Remind students about how to use correct spacing, capital letters, and formatting.</p> <p>Change font style, color and size.</p>
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<p>color.</p> <p>Students will draw their families and label each family member.</p> <p>Review how to create numerous text boxes.</p> <p>Students can change color of the fonts.</p> <p>Essential Questions:</p> <p>How do I choose which technological tools to use and when it is appropriate to use them?</p> <p>Materials:</p> <p>Pixie</p> <p>Pre-Made Document</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p>	<p>Create a picture that goes along with sentences using webcam for their faces.</p> <p>Record their voice over their pictures to create a class movie.</p> <p>Essential Questions:</p> <p>How can digital tools be used for creating original and innovative works, ideas, and solutions?</p> <p>Materials:</p> <p>Word</p> <p>WebCam</p> <p>iMovie</p> <p>Headphones</p> <p>Microphone</p> <p>Pixie</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p>	<p>Pixie</p> <p>Sentence Strip</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p> <p>Topic 11: <u>All About Me Movies:</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p> <p>Understand when and how to use specific keys to properly format a Word document.</p> <p>Type a paragraph on a specific topic.</p> <p>Create drawing to go along with sentences.</p> <p>Record voice to create movie.</p>	<p>Review how to highlight.</p> <p>Find stickers that represent as many words as they can.</p> <p>Reduce size of stickers and place them above the word it describes.</p> <p>For certain words, students can draw pictures to represent each word, if stickers cannot be found.</p> <p>Essential Questions:</p> <p>How can I transfer what I know to new technological situations/experiences?</p> <p>Materials:</p> <p>Pixie</p> <p>Colored Printer</p> <p>Nursery Rhymes</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p>
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<p><u>Topic 3:</u> <u>Same Game/Review Parts</u></p> <p>Objectives:</p> <p>Gain knowledge of certain technology terms.</p> <p>Demonstrate ability to go to a specific web address and navigate through a website.</p> <p>Understand how to double click to navigate through the game.</p> <p>Lessons, Activities, & Student Products:</p> <p>Discuss difference between URL box and Google box.</p> <p>Students will open Safari and type in a specific web address.</p> <p>They will navigate through the website to get to a specific game.</p> <p>Learn how to double click on certain letters/numbers to accomplish the highest score.</p>	<p><u>Topic 7:</u> <u>Mid-Year Assessment:</u> <u>Families</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p> <p>Understand how to properly type 1-2 sentences..</p> <p>Understand when and how to use specific keys to properly format a Word document.</p> <p>Create a drawing to go along with sentences.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open Word and type 1-2 sentences about what they like doing with their families.</p> <p>Remind students about how to use correct spacing, capital letters, and formatting.</p> <p>Change font style, color and size.</p> <p>Review how to highlight.</p>	<p>Lessons, Activities, & Student Products:</p> <p>Students will open Word and type a paragraph about themselves, their family, what they like to do together, who is special to them, why they like school, and a conclusion.</p> <p>They are to draw a picture for each part of the movie.</p> <p>Remind students about how to use correct spacing, capital letters, and formatting.</p> <p>Change font style, color and size.</p> <p>Review how to highlight.</p> <p>Create a picture that goes along with each sentence using webcam for their faces.</p> <p>Record their voice over their pictures to create a class movie.</p> <p>Essential Questions:</p> <p>How can digital tools be used for creating original and innovative works, ideas, and solutions?</p>	<p><u>Topic 14:</u> <u>Award For...:</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p> <p>Understand when and how to use specific keys to properly format a pre-made document.</p> <p>Learn to change color and style of pre-made document.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open Print Shop document to create certificate.</p> <p>They are to decide on what they feel they have accomplished most in computer class this year.</p> <p>Learn how to change up background color, font format, and clip art on the certificate.</p> <p>Remind students about how to use correct spacing, capital letters, and formatting.</p> <p>Review how to highlight.</p>
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<p>Essential Questions:</p> <p>In a world of constant change, what skills should we learn?</p> <p>Materials:</p> <p>Safari (internet connection)</p> <p>Web Site Address</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p> <p>Topic 4: <u>Halloween Stories</u></p> <p>Objectives:</p> <p>Demonstrate ability to write a beginning, middle, and end of a story.</p> <p>Learn how to type correctly in a Word document.</p> <p>Compose a picture that corresponds to the story.</p> <p>Gain knowledge by identifying their Dolch site words within</p>	<p>Create a picture that goes along with sentences.</p> <p>Essential Questions:</p> <p>How do I choose which technological tools to use and when it is appropriate to use them?</p> <p>Materials:</p> <p>Word</p> <p>Pixie</p> <p>WebCam</p> <p>Color Printer</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p> <p>Topic 8: <u>Tangrams</u></p> <p>Objectives:</p> <p>Demonstrate ability to open an application.</p>	<p>Materials:</p> <p>Word</p> <p>WebCam</p> <p>iMovie</p> <p>Headphones</p> <p>Microphone</p> <p>Pixie</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p>	<p>Essential Questions:</p> <p>How can digital tools be used for creating original and innovative works, ideas, and solutions?</p> <p>Materials:</p> <p>Print Shop 2</p> <p>Color Printer</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p>
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<p>their story.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will receive a story graphic organizer to complete with a pencil.</p> <p>Once they write their beginning, middle, and end of the story, they will open Word.</p> <p>They will properly type their story, not hitting return, and keep typing.</p> <p>Students will use correct spacing and capitalization.</p> <p>When finished, they will create a picture in Pixie to go along with their story.</p> <p>Students will highlight sentences to change font style, color, and size in Word.</p> <p>Learn to use the bold feature in Word.</p> <p>Bold their Dolch site words used.</p>	<p>Demonstrate ability to go to a specific web address and navigate through a website.</p> <p>Gain knowledge of geometry by completing tangrams.</p> <p>Use problem-solving skills to complete the task.</p> <p>Lessons, Activities, & Student Products:</p> <p>Students will open Safari and type in a specific web address in the URL box.</p> <p>Students will navigate through the website to find a specific challenge.</p> <p>They will use their problem solving skills to complete these geometry challenges.</p> <p>Essential Questions:</p> <p>In a world of constant change, what skills should we learn?</p> <p>Materials:</p> <p>Safari (Internet Connection)</p> <p>Website Address</p>		
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<p>Essential Questions:</p> <p>How can digital tools be used for creating original and innovative works, ideas, and solutions?</p> <p>Materials:</p> <p>Graphic Organizer</p> <p>Pencil</p> <p>Pixie</p> <p>Microsoft Word</p> <p>List of Dolch Words</p> <p>Color Printer</p> <p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p>	<p>Assessment:</p> <p>Teacher Observation</p> <p>Project Based Assessment</p> <p>Classroom Participation</p>		
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<p>NJCCCS:</p> <p><u>8.1 Educational Technology</u> <u>All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.</u></p> <p>8.1.2.A Technology Operations and Concepts: The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.2.A.1: Identify the basic features of a computer and explain how to use them effectively.</p> <p>8.1.2.A.2: Use technology terms in daily practice.</p> <p>8.1.2.A.3: Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages.</p> <p>8.1.2.A.4: Create a document with text using a word processing program.</p>	<p>NJCCCS:</p> <p><u>8.1 Educational Technology</u> <u>All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.</u></p> <p>8.1.2.A Technology Operations and Concepts: The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.2.A.1: Identify the basic features of a computer and explain how to use them effectively.</p> <p>8.1.2.A.2: Use technology terms in daily practice.</p> <p>8.1.2.A.3: Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages.</p> <p>8.1.2.A.4: Create a document with text using a word processing program.</p>	<p>NJCCCS:</p> <p><u>8.1 Educational Technology</u> <u>All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.</u></p> <p>8.1.2.A Technology Operations and Concepts: The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.2.A.1: Identify the basic features of a computer and explain how to use them effectively.</p> <p>8.1.2.A.2: Use technology terms in daily practice.</p> <p>8.1.2.A.3: Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages.</p> <p>8.1.2.A.4: Create a document with text using a word processing program.</p>	<p>NJCCCS:</p> <p><u>8.1 Educational Technology</u> <u>All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.</u></p> <p>8.1.2.A Technology Operations and Concepts: The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.2.A.1: Identify the basic features of a computer and explain how to use them effectively.</p> <p>8.1.2.A.2: Use technology terms in daily practice.</p> <p>8.1.2.A.3: Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages.</p> <p>8.1.2.A.4: Create a document with text using a word processing program.</p>
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<p>8.1.2.A.5: Demonstrate the ability to navigate in virtual environments that are developmentally appropriate.</p> <p>8.1.4.A The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.4.A.1: Demonstrate effective input of text and data using an input device.</p> <p>8.1.4.A.2: Create a document with text formatting and graphics using a word processing program.</p> <p>8.1.2.B.1: Illustrate and communicate original ideas and stories using digital tools and media-rich resources.</p> <p>8.1.4.A.3: Create and present a multimedia presentation that includes graphics.</p> <p>8.1.2.B Creativity and Innovation: The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.</p>	<p>8.1.4.A The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.4.A.1: Demonstrate effective input of text and data using an input device.</p> <p>8.1.4.A.3: Create and present a multimedia presentation that includes graphics.</p> <p>8.1.2.B Creativity and Innovation: The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.</p> <p>8.1.2.B.1: Illustrate and communicate original ideas and stories using digital tools and media-rich resources.</p> <p>8.1.2.C: Communication and Collaboration: Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems.</p>	<p>8.1.4.A The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.4.A.1: Demonstrate effective input of text and data using an input device.</p> <p>8.1.4.A.3: Create and present a multimedia presentation that includes graphics.</p> <p>8.1.2.B Creativity and Innovation: The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.</p> <p>8.1.2.B.1: Illustrate and communicate original ideas and stories using digital tools and media-rich resources.</p> <p>8.1.2.C: Communication and Collaboration: Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems.</p>	<p>8.1.2.A.5: Demonstrate the o navigate in virtual environments that are developmentally appropriate.</p> <p>8.1.4.A The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p> <p>8.1.4.A.1: Demonstrate effective input of text and data using an input device.</p> <p>8.1.4.A.2: Create a document with text formatting and graphics using a word processing program.</p> <p>8.1.2.B.1: Illustrate and communicate original ideas and stories using digital tools and media-rich resources.</p> <p>8.1.4.A.3: Create and present a multimedia presentation that includes graphics.</p> <p>8.1.2.B Creativity and Innovation: The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.</p>
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<p>8.1.2.B.1: Illustrate and communicate original ideas and stories using digital tools and media-rich resources.</p> <p>8.1.2.C: Communication and Collaboration: Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems.</p> <p>8.1.2.C.1: Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using electronic tools.</p> <p><u>8.2 Technology Education, Engineering, and Design</u> All students will develop an understanding of the nature and impact of technology, engineering, technological design, and the designed world, as they relate to the individual, global society, and the environment.</p> <p>8.2.2.A Nature of Technology: Creativity and Innovation Technology products and systems impact every aspect of the world in which we live.</p>	<p>8.1.2.C.1: Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using electronic tools.</p> <p><u>8.2 Technology Education, Engineering, and Design</u> All students will develop an understanding of the nature and impact of technology, engineering, technological design, and the designed world, as they relate to the individual, global society, and the environment.</p> <p>8.2.2.A Nature of Technology: Creativity and Innovation Technology products and systems impact every aspect of the world in which we live.</p> <p>8.2.2.A.1: Describe how technology products, systems, and resources are useful at school, home, and work.</p>	<p>8.1.2.C.1: Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using electronic tools.</p> <p><u>8.2 Technology Education, Engineering, and Design</u> All students will develop an understanding of the nature and impact of technology, engineering, technological design, and the designed world, as they relate to the individual, global society, and the environment.</p> <p>8.2.2.A Nature of Technology: Creativity and Innovation Technology products and systems impact every aspect of the world in which we live.</p> <p>8.2.2.A.1: Describe how technology products, systems, and resources are useful at school, home, and work.</p>	<p>8.1.2.B.1: Illustrate and communicate original ideas and stories using digital tools and media-rich resources.</p> <p>8.1.2.C: Communication and Collaboration: Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems.</p> <p>8.1.2.C.1: Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using electronic tools.</p> <p><u>8.2 Technology Education, Engineering, and Design</u> All students will develop an understanding of the nature and impact of technology, engineering, technological design, and the designed world, as they relate to the individual, global society, and the environment.</p> <p>8.2.2.A Nature of Technology: Creativity and Innovation Technology products and systems impact every aspect of the world in which we live.</p>
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