

HADDONFIELD PUBLIC SCHOOLS
Curriculum Map for Grade 6 Technology/Computers

September			
Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique. {TEC.5-8.8.1.A.4} Input and access data and text efficiently and accurately through proficient use of other input devices, such as the mouse. {TEC.5-8.8.1.A.10} Use network resources for storing and retrieving data.			
Enduring Understandings: Keyboarding, Email Attachments			
Essential Questions: What is the eBoard? What is an attachment? What is Keyboarding?			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
Introduce Middle School eBoard to sixth graders. -Email—attachments -Mavis Beacon Keyboarding Program	-Locate and use teacher eBoard, email, voicemail -Create attachments for email? -Navigating and using the Mavis Beacon Keyboarding Program	-Teacher will navigate through the teacher eBoard, email, and voice mail; students will follow at their stations. -Teacher will demonstrate how to send an attachment using the LCD projector . -Children will be introduced how to navigate the Mavis Beacon Keyboarding Program which is self-paced.	Observation
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October			
Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.8} Design and produce a basic multimedia project., {TEC.5-8.8.1.A.11} Choose appropriate electronic graphic organizers to create, construct, or design a document.			
Enduring Understandings: Keyboarding, Concept Mapping, Presentations (Presenting Information)			
Essential Questions: What is Keyboarding? What is the software application Inspiration? What are the features of Inspiration? How to create a concept map in Inspiration What are the beginner and intermediate features of PowerPoint? What are the names and meanings of geometrical angles?			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
-Self-paced instruction for Keyboarding using Mavis Beacon. Introduce Inspiration, a software application used to create concept mapping.	-Proper finger position and skill practice for accurate and speedy keyboarding. -Overview of all the capabilities of Inspiration. -use of graphic library -size shapes -change colors -add links -change line width -change line color - use position tool - use nudge tool - add a note -use rapid fire	-Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class. -Children will view a CD video (tutorial) which gives a thorough overview of all the features of Inspiration.	Observation Concept Map

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November			
<p>Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.11} Choose appropriate electronic graphic organizers to create, construct, or design a document., {TEC.5-8.8.1.A.5} Create documents with advanced text-formatting and graphics using word processing., {TEC.5-8.8.1.A.10} Use network resources for storing and retrieving data.,</p>			
<p>Enduring Understandings (<i>The big ideas</i>): Keyboarding, Concept Mapping, Presentations, Visual Literacy</p>			
<p>Essential Questions: What is Keyboarding? What are the features of Inspiration? How to create a concept map in Inspiration. What is visual literacy? How can colors be used effectively for computer graphics? What is a header/footer? What are the beginner and intermediate features of PowerPoint? What are the names and meanings for geometrical angles?</p>			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
<p>-Self-paced instruction for Keyboarding using. Creating a concept map using Inspiration Visual literacy—use of shapes, images, and colors How to use visual literacy effectively to focus on concepts Creating an informational academic PowerPoint presentation</p>	<p>-Proper finger position and skill practice for accurate and speedy keyboarding. -Overview of all the capabilities of Inspiration. -use of graphic library -size shapes -change colors -add links -change line width -change line color - use position tool - use nudge tool - add a note -use rapid fire Visual literacy—use of shapes, images,</p>	<p>-Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class -Students will be to given the packet “What Your Angle” The learning in this packet integrates Inspiration, PowerPoint and geometrical angles -Children will begin to create a concept map which will name and define four basic geometric angles using Inspiration Children will be taught the basics of effective use of colors—text and background colors. Children will be taught how to use the</p>	<p>Create a concept map with consistent sizing of shapes for each specific idea. Apply understanding of colors and shapes in the concept map</p>

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	<p>and colors Using colors, shapes and images to focus on specific concepts How to add a header/footer to a concept map</p>	<p>same colors and shapes when focusing on a specific concept to enhance understanding for the learner</p>	
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<i>December</i>			
Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.5} Create documents with advanced text-formatting and graphics using word processing.			
Enduring Understandings: Keyboarding, Presentations,			
Essential Questions: What is Keyboarding? How can colors be used effectively for computer graphics? What are the beginner and intermediate features of PowerPoint? What are the names and meanings of geometrical angles?			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
<ul style="list-style-type: none"> -Self-paced instruction for Keyboarding using Mavis Beacon -Creating a concept map using Inspiration -Visual literacy—use of shapes, images, and colors -How to use visual literacy effectively to focus on concepts -Creating an informational academic PowerPoint presentation 	<ul style="list-style-type: none"> -Proper finger position and skill practice for accurate and speedy keyboarding Visual literacy—use of shapes, images, and colors Using colors, shapes and images to focus on specific concepts Inspiration: <ul style="list-style-type: none"> -fit to window -print preview -check background color to text color Creating a PowerPoint for academic presentations <ul style="list-style-type: none"> -begin with storyboard -add text only -after all text is created add graphics -after graphics add background colors -after background colors add animations and sound 	<p>Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class</p> <ul style="list-style-type: none"> -Students will be to given the packet “What’s Your Angle?” The learning in this packet integrates Inspiration, PowerPoint and geometrical angles -Children will complete a concept map which will name and define four basic geometric angles using Inspiration <p>Children will demonstrate the basics of effective use of colors—text and background colors.</p> <p>Children will demonstrate how to use the same colors and shapes when focusing on a specific concept to enhance understanding for the learner</p> <p>Children will create a PowerPoint for academic presentations</p>	<p>Create a concept map for “What’s Your Angle?” with consistent sizing of shapes for each specific idea.</p> <p>Apply understanding of colors in the concept map</p> <p>Create an academic PowerPoint show with “What’s Your Angle” for a presentation</p>

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		<ul style="list-style-type: none">-begin with storyboard-add text only-after all text is created add graphics-after graphics add background colors-after background colors add animations and sound	
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January			
<p>Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.5} Create documents with advanced text-formatting and graphics using word processing. TEC.5-8.8.1.A.8} Design and produce a basic multimedia project. {TEC.5-8.8.1.A.10} Use network resources for storing and retrieving data.,</p>			
<p>Enduring Understandings: Keyboarding, Presentations,</p>			
<p>Essential Questions: What is Keyboarding? How can colors be used effectively for computer graphics? What are the beginner and intermediate features of PowerPoint? What are the names and meanings of geometrical angles? How can the Internet be used to download pictures?</p>			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
<p>Self-paced instruction for Keyboarding using Mavis Beacon -Visual literacy—use of shapes, images, and colors -How to use visual literacy effectively to focus on concepts -Creating an informational academic PowerPoint presentation Using the Internet to locate pictures Finding geometric angles in real life</p>	<p>Proper finger position and skill practice for accurate and speedy k Creating a PowerPoint for academic presentations -begin with storyboard -add text only -after all text is created add graphics -after graphics add background colors -after background colors add animations and sound keyboarding Children will be taught the basics of effective use of colors—text and background colors</p>	<p>Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class Children will complete a PowerPoint for academic presentations -begin with storyboard -add text only -after all text is created add graphics -after graphics add background colors -after background colors add animations and sound</p>	<p>Completion of a concept map for “What’s Your Angle?” with consistent sizing of shapes for each specific idea. Apply understanding of colors in the concept map Completion of an academic PowerPoint show with “What’s Your Angle” for a presentation.</p>

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<i>February</i>			
<p>Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.4} Input and access data and text efficiently and accurately through proficient use of other input devices, such as the mouse., {TEC.5-8.8.1.A.1} Use appropriate technology vocabulary., {TEC.5-8.8.1.A.7} Construct a simple spreadsheet, enter data, and interpret the information.</p>			
<p>Enduring Understandings: Keyboarding, Spreadsheets (Collecting and Analyzing Data)</p>			
<p>Essential Questions: What is Keyboarding? What is Excel? What are beginner and intermediate features of Excel? What is a spreadsheet? What is spreadsheet terminology? How is a formula created?</p>			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
<ul style="list-style-type: none"> -Self-paced instruction for Keyboarding using Mavis Beacon - Learning about spreadsheets and how to navigate a spreadsheet -Excel vocabulary 	<ul style="list-style-type: none"> -Proper finger position and skill practice for accurate and speedy keyboarding. -How to talk the Excel language and navigate a spreadsheet. 	<ul style="list-style-type: none"> -Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class. -Teacher will demonstrate how to navigate a spreadsheet using the LCD projector and screen. Children will practice at their own stations -Children will be introduced to Excel vocabulary: Excel, workbook, column, cell active cell, cell address, number, label, spreadsheet program, worksheet, row, grid, entry bar, formula, and save. These word will be used in a pair lesson –the children will begin to create a fill-in the blank worksheet using sentences whose context defines the word. 	<ul style="list-style-type: none"> Program assessment Observation

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March			
<p>Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.4} Input and access data and text efficiently and accurately through proficient use of other input devices, such as the mouse., {TEC.5-8.8.1.A.1} Use appropriate technology vocabulary., {TEC.5-8.8.1.A.7} Construct a simple spreadsheet, enter data, and interpret the information.</p>			
<p>Enduring Understandings: Keyboarding, Spreadsheets (Collecting and Analyzing Data)</p>			
<p>Essential Questions: What is Keyboarding? What is Excel? What are beginner and intermediate features of Excel? What is a spreadsheet? What is spreadsheet terminology? How is a formula created? What is formatting in Excel?</p>			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
<ul style="list-style-type: none"> -Self-paced instruction for Keyboarding using - - Mavis Beacon -Learning about spreadsheets and how to navigate a spreadsheet -Excel vocabulary -Creating a spreadsheet which contains formulas for adding, subtracting, multiplying, and dividing -Formatting features 	<ul style="list-style-type: none"> -Proper finger position and skill practice for accurate and speedy keyboarding. -How to talk the Excel language and navigate a spreadsheet -Formulas for adding, subtracting, multiplying and dividing -Format features: Auto fit, column width, cell alignment, header/footer, page setup: landscape, gridlines, printing with formulas and answers 	<ul style="list-style-type: none"> -Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class. -Children will be using Excel vocabulary: Excel, workbook, column, cell active cell, cell address. number, label, spreadsheet program, worksheet, row, grid, entry bar, formula, save These word will be completing a pair lesson –the children will complete creating a fill-in the blank worksheet using sentences whose context defines the word. -Children will create a worksheet with formulas and will learn how to format a 	<p>Program Assessment Formula worksheet will be printed with answers and formulas.</p>

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		variety of features.	
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<i>April</i>			
<p>Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.4} Input and access data and text efficiently and accurately through proficient use of other input devices, such as the mouse., {TEC.5-8.8.1.A.1} Use appropriate technology vocabulary., {TEC.5-8.8.1.A.7} Construct a simple spreadsheet, enter data, and interpret the information.</p>			
<p>Enduring Understandings: Keyboarding, Spreadsheets (Collecting and Analyzing Data), Visual Representations of Data,</p>			
<p>Essential Questions: What is Keyboarding? What is Excel? What are beginner and intermediate features of Excel? How are charts and graphs created?</p>			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
<ul style="list-style-type: none"> -Self-paced instruction for Keyboarding using Mavis Beacon - Using the Chart Wizard to create a variety of charts and graphs. 	<ul style="list-style-type: none"> -Proper finger position and skill practice for accurate and speedy keyboarding. -creating a chart or graph using chart wizard -applying any information to create a chart/graph -formatting a variety of features in chart wizard: titles, gridlines, x and y axis, legend, data labels, values, colors, and, borders. 	<ul style="list-style-type: none"> -Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class. -children will create a spreadsheet using data and transform the data in to a graph/chart using the chart wizard. - children will learn how to graph a comparison of two different data groups -children will use a variety of format features including: titles, gridlines, x and y axis, legend, data labels, values, colors, and borders. 	<p>Program Assessment Charts and graphs will print in color.</p>
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<i>May</i>			
Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.4} Input and access data and text efficiently and accurately through proficient use of other input devices, such as the mouse., {TEC.5-8.8.1.A.1} Use appropriate technology vocabulary., {TEC.5-8.8.1.A.5} Create documents with advanced text-formatting and graphics using word processing.			
Enduring Understandings: Keyboarding, Brochures			
Essential Questions: What is Keyboarding? What is Publisher? How is a brochure constructed?			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
<ul style="list-style-type: none"> -Self-paced instruction for Keyboarding using Mavis Beacon -learning about the desktop publishing program-Publisher. -learning how to create a brochure as a blank presentation 	<ul style="list-style-type: none"> -Proper finger position and skill practice for accurate and speedy keyboarding. -Children will have a tour of all the types of publications Publisher is capable of producing. -children will learn how to make a brochure from a blank presentation -design gallery -formatting colors 	<ul style="list-style-type: none"> -Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class. -children will be given a tour of all the publications Publisher can create -children will learn how to create a brochure as a blank presentation. -children will create a Publisher product for their World Language Project. They can use any one of the publications Publisher can produce. 	<ul style="list-style-type: none"> Program Assessment Publisher publication

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<i>June</i>			
Targeted Standard(s): NJCCCS {TEC.5-8.8.1.A.3} Demonstrate effective input of text and data, using touch keyboarding with proper technique., {TEC.5-8.8.1.A.4} Input and access data and text efficiently and accurately through proficient use of other input devices, such as the mouse., {TEC.5-8.8.1.A.1} Use appropriate technology vocabulary., {TEC.5-8.8.1.A.5} Create documents with advanced text-formatting and graphics using word processing.			
Enduring Understandings: Keyboarding, Brochures			
Essential Questions: What is Keyboarding? What is Publisher? How is a brochure constructed?			
Core Content/Objectives		Instructional Actions	
Concepts <i>What students will know</i>	Skills <i>What students will be able to do</i>	Activities/Strategies <i>Learning Activities/ Differentiation Interdisciplinary Connections</i>	Assessment <i>How learning will be assessed</i>
Self-paced instruction for Keyboarding using Mavis Beacon	<ul style="list-style-type: none"> -Proper finger position and skill practice for accurate and speedy keyboarding. -Children will create a Publisher document to use in their World Language project --design gallery -formatting colors 	<ul style="list-style-type: none"> -Students will use the Mavis Beacon, self-instructing Keyboarding program for 15 minutes at the start of every computer class. -children will complete a Publisher product for their World Language Project. They can use any one of the publications Publisher can produce 	Program Assessment Publisher publication
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