

Pine Hill Public Schools Curriculum

Content Area:	Technology		
Course Title/ Grade Level:	Computers / Grade 2		
Unit 1:	Internet Safety/Basic Writing/Poetry with Microsoft Word	Month:	September
Unit 2:	Microsoft Word- Part II	Month:	October
Unit 3:	PowerPoint/Techno Animal	Month:	November / December
Unit 4:	Using Toolbar/Ribbon/Bullet format/Introduction to Keyboarding/ Alaska	Month:	January
Unit 5:	TechnoCelebrate/World Traditions/Databases/Graphics	Month:	February / March
Unit 6:	Be Fit Challenge/Microsoft Publisher (TechnoFit)	Month:	March / April / May
Date Created or Revised:	June 2012		
BOE Approval Date:	8/28/12 & 12/18/12		

Pine Hill Public Schools Computers Curriculum	
Unit Title: Basic Writing/Poetry with Microsoft Word	
Unit #: 1	
Course or Grade Level: Grade 2	
Length of Time: September	
Pacing	4 sessions
Essential Questions	How do I travel safely on the Internet? What are some rules for safe Internet use? How do I use a computer to publish my writing? How do I make my writing look great on a computer?
Content	<ul style="list-style-type: none"> • Basic Computer Use • Basic Drawing Tools • Word Processing • ClipArt • Borders • Fonts • WordArt • Stories/Poems • Internet Safety
Skills	<ul style="list-style-type: none"> • Use basic word processing skills to type a document • Write a story and/or a poem • Insert ClipArt, Borders, change Fonts, insert WordArt • Follow safety rules when using the Internet
Assessments	<ul style="list-style-type: none"> • Printed stories and poems • Teacher Observation • Worksheets from “Going Places Safely” Lesson (see link below)
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Specialized toolbar • More challenging topic
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Writing • Reading
Lesson resources / Activities	<ul style="list-style-type: none"> • TechnoKids • Microsoft Word • http://www.common sense media.org/sites/default/files/k-2-unit1-goingplacesafely.pdf
2009 NJCCCS	
Standard: 8.1	
Strand(s): Technology Operations and Concepts	
Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications. The use of digital tools and media-rich resources enhances creativity and the construction of knowledge. Technological advances create societal concerns regarding the practice of safe, legal and ethical behaviors	CPI # / CPI(s): 8.1.2.A.1 Identify the basic features of a computer and explain how to use them effectively. 8.1.2.A.2 Use technology terms in daily practice. 8.1.2.A.3 Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages.

8.1.2.A.4 Create a document with text using a word processing program.
 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources.
 8.1.4.D.1 Explain the need for each individual, as a member of the global community, to practice cyber safety, cyber security, and cyber ethics when using existing and emerging technologies.

21st Century Themes

	Global Awareness		Financial, Economic, Business, and Entrepreneurial Literacy		Civic Literacy		Health Literacy
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21st Century Skills

	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration	x	Information Literacy
	Media Literacy		ICT Literacy		Life and Career Skills		

Pine Hill Public Schools Computers Curriculum	
Unit Title: Basic Writing/Poetry with Microsoft Word—Continued.	
Unit #: 2	
Course or Grade Level: Grade 2	Length of Time: October
Pacing	4 sessions
Essential Questions	How do I use a computer to publish my writing? How do I make my writing look great on a computer?
Content	<ul style="list-style-type: none"> • Basic Word Processing • Spreadsheet and Chart
Skills	<ul style="list-style-type: none"> • Use basic word processing skills to type a document • Use shift, delete and return, tab • Change size, style, font • Save and print a document • Access saved document • Write a story and/or a poem • Insert ClipArt, Borders, WordArt • Format text with Bullets
Assessments	<ul style="list-style-type: none"> • Print books, poems and bulleted lists
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Specialized toolbar • More challenging topic
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Writing • Reading
Lesson resources / Activities	<ul style="list-style-type: none"> • TechnoKids • Microsoft Word
2009 NJCCCS	
Standard: 8.1	
Strand(s): A. Technology Operations and Concepts	
Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications. The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.	CPI # / CPI(s): 8.1.2.A.1Identify the basic features of a computer and explain how to use them effectively. 8.1.2.A.2Use technology terms in daily practice. 8.1.2.A.3Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages. 8.1.2.A.4Create a document with text using a word

processing program.
 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources.

21st Century Themes

	Global Awareness		Financial, Economic, Business, and Entrepreneurial Literacy		Civic Literacy		Health Literacy
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21st Century Skills

	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration	x	Information Literacy
	Media Literacy		ICT Literacy		Life and Career Skills		

**Pine Hill Public Schools
Computers Curriculum**

Unit Title: PowerPoint	Unit #: 3
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Course or Grade Level: Grade 2	Length of Time: November/ December
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Pacing	6 sessions
Essential Questions	How do I make a multimedia presentation? How do I make a presentation look great?
Content	<ul style="list-style-type: none"> • CD-ROM • Slideshow • Beginning Research
Skills	<ul style="list-style-type: none"> • Review inserting and removing CD-ROM • Use graphics and text in a slideshow • Transitions • Format text • Copy a picture from the Internet into a slideshow
Assessments	<ul style="list-style-type: none"> • Create a picture using special features of KidPix Studio Deluxe • Create a dinosaur/animal slideshow in PowerPoint
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Specialized toolbar • More challenging topic
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Writing • Reading • Science • Math
Lesson resources / Activities	<ul style="list-style-type: none"> • Microsoft Powerpoint • Jumpstart program • TechnoKids

2009 NJCCCS

Standard: 8.1

Strand(s): A. Technology Operations and Concepts

<p>Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.</p>	<p>CPI # / CPI(s): 8.1.2.A.1 Identify the basic features of a computer and explain how to use them effectively. 8.1.2.A.2 Use technology terms in daily practice. 8.1.2.A.3 Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages. 8.1.2.A.4 Create a document with text using a word processing program. 8.1.2.B.1 Illustrate and communicate original ideas and</p>
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stories using digital tools and media-rich resources.
 8.1.4.A.3 Create and present a [multimedia presentation](#) that includes graphics.

21st Century Themes

	Global Awareness		Financial, Economic, Business, and Entrepreneurial Literacy		Civic Literacy		Health Literacy
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21st Century Skills

	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration	x	Information Literacy
	Media Literacy		ICT Literacy		Life and Career Skills		

Pine Hill Public Schools Computers Curriculum	
Unit Title: Using Toolbar/Ribbon/Bullet format/Introduction to Keyboarding/ Alaska	Unit #: 4
Course or Grade Level: Grade 2	Length of Time: January
Pacing	4 Sessions
Essential Questions	How do I type correctly? How do I find a map on the Internet? How do I find weather on the Internet? How do I make a document look great on the computer?
Content	<ul style="list-style-type: none"> • Introduction to Keyboarding, • Using Google Earth to find a map • Using Weather.com kids to find weather
Skills	<ul style="list-style-type: none"> • Use correct positioning on the keyboard • Identify the “home row” • Type a short poem using correct typing finger position • Find Alaska on a globe • Find Alaska on Google Earth • Copy a map from the Internet into a document • Create a graph of Alaska city temperatures using data from Internet • Plot a map of the Iditarod • Print
Assessments	<ul style="list-style-type: none"> • Printed poems • Printed Alaska Map mini project
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Specialized toolbar • More challenging topic
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Language Arts • Social Studies
Lesson resources / Activities	Microsoft Word http://theweatherchannelkids.com/ http://sitescontent.google.com/google-earth-for-educators/
2009 NJCCCS	
Standard: 8.1	
Strand(s): Technology Operations and Concepts	
Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications. The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.	CPI # / CPI(s): 8.1.2.A.1Identify the basic features of a computer and explain how to use them effectively. 8.1.2.A.2Use technology terms in daily practice. 8.1.2.A.3Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages.

	8.1.2.A.4 Create a document with text using a word processing program.
	8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources.

21st Century Themes

x	Global Awareness		Financial, Economic, Business, and Entrepreneurial Literacy		Civic Literacy		Health Literacy
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21st Century Skills

	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration	x	Information Literacy
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Pine Hill Public Schools Computers Curriculum	
Unit Title: World Cultures, Traditions and Celebrations/Databases/ Graphics (Techno Celebrate)	Unit #: 5
Course or Grade Level: Grade 2	Length of Time: February / March
Pacing	6-8 Sessions
Essential Questions	What is a database and how do I use it? How do I paint a picture using Microsoft Paint? How and what does my culture celebrate and what and how do other cultures celebrate?
Content	<ul style="list-style-type: none"> • Microsoft Access (databases) • Microsoft Paint • World Cultures/Celebrations
Skills	<ul style="list-style-type: none"> • Open a database • Remove a filter • Open a form • Find a record • Perform a new filter • Create a new record • Open a paint program • Use paint tools to create a picture • Identify celebrations from other cultures
Assessments	<ul style="list-style-type: none"> • Printed new record • Printed Paint picture • Teacher observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Specialized toolbar • More challenging topic
Inter-disciplinary Connections	<ul style="list-style-type: none"> • World Cultures
Lesson resources / Activities	<ul style="list-style-type: none"> • Microsoft Access • Techno Celebrate Database • Microsoft Paint
2009 NJCCCS	
Standard: 8.1	
Strand(s): Technology Operations and Concepts	
Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications. The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.	CPI # / CPI(s): 8.1.2.A.1Identify the basic features of a computer and explain how to use them effectively. 8.1.2.A.2Use technology terms in daily practice. 8.1.2.A.3Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages. 8.1.2.B.1Illustrate and communicate original ideas and

				stories using digital tools and media-rich resources. 8.1.8.A.2 Plan and create a simple database.			
<u>21st Century Themes</u>							
x	Global Awareness		Financial, Economic, Business, and Entrepreneurial Literacy		Civic Literacy		Health Literacy
<u>21st Century Skills</u>							
	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration	x	Information Literacy
	Media Literacy		ICT Literacy		Life and Career Skills		

Pine Hill Public Schools Computers Curriculum	
Unit Title: Be Fit Challenge/Microsoft Publisher (TechnoFit)	
Unit #: 6	
Course or Grade Level: Grade 2	Length of Time: March / April / May
Pacing	8 Sessions
Essential Questions	How do I use Microsoft Publisher to create a membership card, poster, menu, greeting card, and a certificate? How can I use Microsoft Publisher to help publicize my event? How can I stay healthy by eating right and exercising?
Content	<ul style="list-style-type: none"> • Microsoft Publisher • Templates • Healthy diet and exercise
Skills	<ul style="list-style-type: none"> • Open Publisher • Open and use a template • Open and use a blank template • Design and print a membership card, poster, menu, greeting card and a certificate • Use WordArt • Add a text box • Format words • Add clipart • Print • Explain why it is important to eat right and exercise
Assessments	<ul style="list-style-type: none"> • Printed projects • Teacher observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Specialized toolbar • More challenging topic
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Health] • Language Arts
Lesson resources / Activities	<ul style="list-style-type: none"> • Techno Fit Templates • http://pbskids.org/hooper/coach-hooper/ (needs a webcam) • http://www.youtube.com/watch?v=HBLDt9OEr2I&playnext=1&list=PLB44E688D85889EEB&feature=results_main • Microsoft Publisher
2009 NJCCCS	
Standard: 8.1	
Strand(s): Technology Operations and Concepts	
Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.	CPI # / CPI(s): 8.1.2.A.1Identify the basic features of a computer and explain how to use them effectively. 8.1.2.A.2Use technology terms in daily practice.

The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.		8.1.2.A.3 Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages. 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources					
<u>21st Century Themes</u>							
	Global Awareness		Financial, Economic, Business, and Entrepreneurial Literacy		Civic Literacy	x	Health Literacy
<u>21st Century Skills</u>							
x	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration	x	Information Literacy
	Media Literacy		ICT Literacy		Life and Career Skills		