

Pine Hill Public Schools Curriculum

Content Area:		Related Arts	
Course Title/ Grade Level:		Computers / Grade 1	
Unit 1:	Introduction to Computers/Using Computers and the Internet Safely	Month:	September
Unit 2:	Columbus Ship/ Microsoft Word Microsoft Paint/ (Techno Artist)	Month:	October/November
Unit 3:	Education City/Internet/Intro to Microsoft Word/Poetry/Thankful Sentence	Month:	November/December
Unit 4:	Techno Books/February Heart Tables	Month:	January/February
Unit 5:	Microsoft Word Lions/Lambs/ Spring Poems	Month:	March
Unit 6:	All About Pine Hill PowerPoint/Google Earth		April/May
Date Created or Revised:		June 2012	
BOE Approval Date:		8/28/12	

Pine Hill Public Schools Computers Curriculum	
Unit Title: Introduction to Computers/Using Computers and the Internet Safely	Unit #: 1
Course or Grade Level: Grade 1	Length of Time: September
Date Created: 5/21/12	BOE Approval Date:
Pacing	3-4 Sessions
Essential Questions	How do I logon to a computer? How do I safely use a computer? How do I use a CD?
Content	<ul style="list-style-type: none"> • Basic Computer Use and Safety • Log on to Windows using personal username and password • Basic Drawing Tools
Skills	<ul style="list-style-type: none"> • Using the mouse correctly • Find their names in the list of users and logon safely • Start up a computer program • Draw using mouse • Access the Internet/Click on links • Reading/Language Arts skills
Assessments	<ul style="list-style-type: none"> • Successfully log onto the computer using a password • Use KidPix Deluxe 3D to make a picture • Use Microsoft Paint to Draw • Teacher Observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Smaller mouse • Dots on mouse (right/left click)
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Reading/Language Arts • Math Skills • Science Skills
Lesson resources / Activities	<ul style="list-style-type: none"> • Jumpstart First Grade CD • TechnoKids Curriculum • Microsoft Paint • KidPix Deluxe 3D • Education City website • Starfall website
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.	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.5 Demonstrate the ability to navigate in virtual environments that are developmentally appropriate.

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: Columbus Ship/ Microsoft Word, Microsoft Paint/ (Techno Artist)	
Unit #: 2	
Course or Grade Level: Grade 1	Length of Time: October/November
Date Created: 5/21/12	BOE Approval Date:
Pacing	5 sessions
Essential Questions	How do I use a mouse? How do I make a nice picture on the computer?
Content	<ul style="list-style-type: none"> • Basic mouse skills • Basic Computer Use • Problem Solving Skills • Toolbar skills • Famous Artists/People/Columbus
Skills	<ul style="list-style-type: none"> • Access files • Use shift, delete and return • Right click to open a menu • Use paint tools to create a picture • Use shape tools to create a picture • Print a document • Maneuver through software • Draw/paint using mouse
Assessments	<ul style="list-style-type: none"> • Printed Drawings/Paintings • Teacher Observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Smaller mouse • Dots on mouse (right/left click)
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Art • Social Studies
Lesson resources / Activities	<ul style="list-style-type: none"> • TechnoKids • Microsoft Paint • Microsoft Word • Jumpstart First Grade
2009 NJCCCS	
Standard:8.1	
Strand(s):Technology Operations and Concepts	
Content Statement(s):	CPI # / CPI(s):
<ul style="list-style-type: none"> • The use of technology and digital tools requires knowledge and appropriate use of operations and 	8.1.2.A.1Identify the basic features of a computer and explain how to use them effectively.

<p>related applications.</p> <ul style="list-style-type: none"> The use of digital tools and media-rich resources enhances creativity and the construction of knowledge. 	<p>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.5 Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources.</p>

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: Education City/Internet/Intro to Microsoft Word/Poetry/Thankful Sentence	Unit #: 3
Course or Grade Level: Grade 1	Length of Time: November/ December
Date Created: 5/21/12	BOE Approval Date:
Pacing	6 sessions
Essential Questions	How do I go on the Internet Safely? How do I play an educational game on the Internet? How can I write a poem on the computer and make it look great?
Content	Internet access and safety, online games and educational activities, basic word processing
Skills	<ul style="list-style-type: none"> • Type a Thanksgiving poem • Write sentences about being thankful • Review and practice making uppercase letters • Spacing between words and sentences • Deleting to fix mistakes. • Format font • Insert clipart • Add a border • Print • Access the Internet • Find Kid-safe educational games and interact with kids from other schools while playing math games
Assessments	<ul style="list-style-type: none"> • Printed stories/poems • Teacher Observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Advanced pacing • Alternate assignment
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Writing • Reading • Math • Social Studies
Lesson resources / Activities	<ul style="list-style-type: none"> • Techno Kids • Microsoft Word • Education City (Play Live)
2009 NJCCCS	
Standard: 8.1	
Strand(s): Technology Operations and Concepts	
Content Statement(s): <ul style="list-style-type: none"> • The use of technology and digital tools requires knowledge and appropriate use of operations and related applications. 	CPI # / CPI(s): <ul style="list-style-type: none"> • 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.

<ul style="list-style-type: none"> • The use of digital tools and media-rich resources enhances creativity and the construction of knowledge. • Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems. 	<ul style="list-style-type: none"> • 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.A.5 Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. • 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources. • 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.
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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
	Media Literacy		ICT Literacy		Life and Career Skills		

Pine Hill Public Schools Computers Curriculum	
Unit Title: Microsoft Word/Storybooks (TechnoBook), February Heart Tables	
Unit #: 4	
Course or Grade Level: Grade 1	Length of Time: January/February
Date Created: 12/8/2012	BOE Approval Date:
Pacing	6-8 sessions
Essential Questions	How do I write a story on the computer? How do I use the computer to make my story look great? How do I make a chart on the computer?
Content	Basic word processing
Skills	<ul style="list-style-type: none"> • Review and practice making uppercase letters • Spacing between words and sentences • Deleting to fix mistakes • Format font • Insert clipart • Insert a table • Insert and color a shape • Add a border • Complete a story
Assessments	<ul style="list-style-type: none"> • Edited word processing document • Printed stories • Printed Heart Tables • Teacher Observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Advanced pacing • Alternate assignment
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Writing • Reading
Lesson resources / Activities	<ul style="list-style-type: none"> • Techno Kids • Microsoft Word
2009 NJCCCS	
Standard: 8.1	
Strand(s): Technology Operations and Concepts	
Content Statement(s):	CPI # / CPI(s):
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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.

	<ul style="list-style-type: none"> • 8.1.2.A.4 Create a document with text using a word processing program. • 8.1.2.A.5 Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. • 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources.
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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: Microsoft Word Lions/Lambs/ Spring Poems	Unit #: 5
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Course or Grade Level: Grade 1	Length of Time: March
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Date Created: 12/8/2012	BOE Approval Date:
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Pacing	4 sessions
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Essential Questions	How do I write a poem on the computer? How do I find weather reports on the computer? How do I copy a picture from the Internet into a Word document?
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Content	<ul style="list-style-type: none"> • Writing poetry • Safe Internet Search • Internet pictures • Microsoft Word
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Skills	<ul style="list-style-type: none"> • Write a simple 2-3 line poem about March • Type using correct spacing and punctuation • Format font style, size and color • Find pictures on the Internet (public domain sites) • Search for weather on Internet • Copy a picture from the Internet • Paste a picture into a Word Document
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Assessments	<ul style="list-style-type: none"> • Printed poems • Teacher observation
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Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Advanced pacing • Alternate assignment
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Inter-disciplinary Connections	<ul style="list-style-type: none"> • Language Arts • Social Studies
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Lesson resources / Activities	<ul style="list-style-type: none"> • http://theweatherchannelkids.com/ • Microsoft Word • http://www.safesearchkids.com/safe-image-search.html
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2009 NJCCCS

Standard: 8.1

Strand(s): Technology Operations and Concepts

<p>Content Statement(s):</p> <ul style="list-style-type: none"> • 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. 	<p>CPI # / CPI(s):</p> <ul style="list-style-type: none"> • 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.A.5 Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. • 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources.
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21st Century Themes

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

x	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: All About Pine Hill PowerPoint/Google Earth	
Unit #: 6	
Course or Grade Level: Grade 1	Length of Time: April / May
Date Created: 12/8/2012	BOE Approval Date:
Pacing	6-8 sessions
Essential Questions	How do I create a slideshow on the computer? Where do I live and what is special about my town? What is a map and how can I find a map of my town on the Internet?
Content	<ul style="list-style-type: none"> • Making a slideshow in PowerPoint, using a map, using Google Earth to find home,
Skills	<ul style="list-style-type: none"> • Open PowerPoint • Click Ribbon Tabs to find tools • Select and modify a slide design • Add text to a slide • Add clipart to a slide • Find the United States, New Jersey and Pine Hill on a globe • Find the United States, New Jersey and Pine Hill on Google Earth • Copy a map of Pine Hill from Google Earth • Find a route to the fire station, post office and police station • Paste map into slide show • Describe community helpers • Add animation to a slide •
Assessments	<ul style="list-style-type: none"> • Printed "All About Pine Hill" slide show • Teacher observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Advanced pacing • Alternate assignment
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Language Arts • Social Studies
Lesson resources / Activities	<ul style="list-style-type: none"> • Microsoft PowerPoint • TechnoKids template • http://www.google.com/earth/index.html
2009 NJCCCS	
Standard: 8.1	
Strand(s): Technology Operations and Concepts	
Content Statement(s):	CPI # / CPI(s):
<ul style="list-style-type: none"> • The use of technology and digital tools requires knowledge and appropriate use of operations and related applications. 	<ul style="list-style-type: none"> • 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.

<ul style="list-style-type: none"> • The use of digital tools and media-rich resources enhances creativity and the construction of knowledge. • Information accessed through the use of digital tools assists in generating solutions and making decisions. 	<ul style="list-style-type: none"> • 8.1.2.A.3 Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages. • 8.1.2.A.5 Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. • 8.1.2.B.1 Illustrate and communicate original ideas and stories using digital tools and media-rich resources. • 8.1.2.F.1 Use mapping tools to plan and choose alternate routes to and from various locations.
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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
	Media Literacy		ICT Literacy		Life and Career Skills		