

Pine Hill Public Schools Curriculum

Content Area:	Technology		
Course Title/ Grade Level:	Computers / Grade K		
Unit 1:	Introduction to Computers	Month:	September
Unit 2:	Basic Operations	Month:	October
Unit 3:	Basic Computer Use	Month:	November / December
Unit 4:	Word Processing	Month:	January
Unit 5:		Month:	February / March
Unit 6:		Month:	March / 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		Unit #: 1
Course or Grade Level: Grade K		Length of Time: September
Date Created: 5/21/12		BOE Approval Date:
Pacing	4 sessions	
Essential Questions	What does a computer do? How do I use a computer?	
Content	Basic Computer Use	
Skills	<ul style="list-style-type: none"> • Use mouse correctly • Start up a computer program • Identify parts of a computer 	
Assessments	Teacher Observation	
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Advanced Students—Blends • Partner work/peer assistance 	
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Alphabet • Numbers 1-10 	
Lesson resources / Activities	<ul style="list-style-type: none"> • Starfall.com • Kinderweb • A to Zap 	
2009 NJCCCS		
Standard: 8.1		
Strand(s): A. Technology Operations and Concepts		
<ul style="list-style-type: none"> • Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications • Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems. 	CPI # / CPI(s): <ul style="list-style-type: none"> • 8.1.P.A.1 Use the mouse to negotiate a simple menu on the screen (e.g., to print a picture) • 8.1 .P.A.3 Identify the “power keys” (e.g., ENTER, spacebar) on a keyboard. • 8.1.P.A.5 Use basic technology terms in conversations (e.g., digital camera, battery, screen, computer, Internet, mouse, keyboards, and printer). • 8.1.P.C.1 Operate frequently used, high-quality, interactive games or activities in either screen or toy-based formats. 	
<u>21st Century Themes</u>		

	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: Basic Operations		Unit #: 2
Course or Grade Level: Grade K		Length of Time: October
Date Created: 5/21/12		BOE Approval Date:
Pacing	5 sessions	
Essential Questions	How do I use a computer? How can I color on a computer?	
Content	<ul style="list-style-type: none"> • Basic Computer Use • Basic Drawing Tools 	
Skills	<ul style="list-style-type: none"> • Using the mouse correctly • Start up a computer program • Quit out of a program • Use pencil, eraser, paint brush and the paint bucket • Draw pictures in Microsoft Paint or other available paint/drawing programs 	
Assessments	<ul style="list-style-type: none"> • Printed pictures/activities 	
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Smaller mouse • Colored dots on mouse • Large icons • Partner work/Peer assistance • Adaptive keyboard sleeve 	
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Shapes • Colors 	
Lesson resources / Activities	<ul style="list-style-type: none"> • Microsoft Paint • KidPix 	

2009 NJCCCS

Standard: 8.1

Strand(s): A. Technology Operations and Concepts

Content Statement(s): Content Statement(s):

- The use of technology and digital tools requires knowledge and appropriate use of operations and related applications
- Digital tools and environments support the

CPI # / CPI(s):

- 8.1.P.A.1 Use the mouse to negotiate a simple menu on the screen (e.g., to print a picture)
- 8.1 .P.A.3 Identify the “power keys” (e.g.,

<p>learning process and foster collaboration in solving local or global issues and problems.</p>	<p>ENTER, spacebar) on a keyboard.</p> <ul style="list-style-type: none"> • 8.1.P.A.4 Recognize that the number keys are in a row on the top of the keyboard. • 8.1.P.A.5 Use basic technology terms in conversations (e.g., digital camera, battery, screen, computer, Internet, mouse, keyboards, and printer). • 8.1.P.C.1 Operate frequently used, high-quality, interactive games or activities in either screen or toy-based formats
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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: Basic Computer Use		Unit #: 3
Course or Grade Level: Grade K		Length of Time: November/ December
Date Created: 5/21/21		BOE Approval Date:
Pacing	6 sessions	
Essential Questions	How do I use a computer? How do I play a game on a computer? How do I use a CD?	
Content	Basic Computer Use	
Skills	<ul style="list-style-type: none"> • Use the mouse correctly • Start up a computer program • Quit out of the program • Go from one part of a program to another • Find their names in the list of users and log in 	
Assessments	<ul style="list-style-type: none"> • Successfully use different parts of • JumpStart Advanced Kindergarten 	
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Jumpstart Preschool 	
Inter-disciplinary Connections	<p>Math</p> <ul style="list-style-type: none"> •Number Recognition •Sorting •Shapes •Graphs •Counting •Measurements •Fractions •Comparisons <p>Reading</p> <ul style="list-style-type: none"> •Rhyming •Phonics •Letters •Sounds •Listening Comprehension •Story Sequencing •Vocabulary •Sentence Building <p>Critical Thinking:</p> <ul style="list-style-type: none"> •Spatial Awareness •Visual Discrimination 	

	<ul style="list-style-type: none"> •Directions •Using a Calendar •Solving Puzzles Social Skills: <ul style="list-style-type: none"> •Friendship •Teamwork •Responsibility
Lesson resources / Activities	<ul style="list-style-type: none"> • Jumpstart Kindergarten CD

2009 NJCCCS

Standard: 8.1

Strand(s): A. 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 • Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems. 	<p>CPI # / CPI(s):</p> <ul style="list-style-type: none"> • 8.1.P.A.1 Use the mouse to negotiate a simple menu on the screen (e.g., to print a picture) • 8.1 .P.A.3 Identify the “power keys” (e.g., ENTER, spacebar) on a keyboard. • 8.1.P.A.4 Recognize that the number keys are in a row on the top of the keyboard. • 8.1.P.A.5 Use basic technology terms in conversations (e.g., digital camera, battery, screen, computer, Internet, mouse, keyboards, and printer). • 8.1.P.C.1 Operate frequently used, high-quality, interactive games or activities in either screen or toy-based formats • 8.1.P.C.2 Access materials on a disk, cassette tape, or DVD. Insert a disk, cassette tape, CD-Rom, DVD, or other storage device and press “play” and “stop.”
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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	Information Literacy
Media Literacy	ICT Literacy	Life and Career Skills	

**Pine Hill Public Schools
Computers Curriculum**

Unit Title: Word processing		Unit #: January	
Course or Grade Level: Grade K		Length of Time:	
Date Created:		BOE Approval Date:	
Pacing			
Essential Questions			
Content	Computer Basics Word Processing Basics		
Skills	Use mouse to maneuver through a program Use SHIFT to make a capital letter Use DELETE to get rid of a mistake Use RETURN to go to a new line		
Math Skills/ Science Processes	•		
Assessments	Use Playroom or JumpStart Advanced Kindergarten successfully		
Interventions / differentiated instruction	•		
Inter- disciplinary Connections	•		
Lesson resources / Activities	•		
2009 NJCCCS			
Standard:			
Strand(s):			
Content Statement(s):		CPI # / CPI(s):	
<u>21st Century Themes</u>			
Global Awareness	Financial, Economic, Business, and Entrepreneurial Literacy	Civic Literacy	Health Literacy

21st Century Skills

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

**Pine Hill Public Schools
Computers Curriculum**

Unit Title:		Unit #: February / March
Course or Grade Level: Grade K		Length of Time:
Date Created:		BOE Approval Date:
Pacing		
Essential Questions		
Content	Computer Basics Word Processing Basics	
Skills	Use mouse to maneuver through a program Use SHIFT to make a capital letter Use DELETE to get rid of a mistake Use RETURN to go to a new line Print document	
Math Skills/ Science Processes	•	
Assessments	Use Playroom or JumpStart Advanced Kindergarten successfully Use KidWorks2 to type first name and last name 2 and 3 times and print document	
Interventions / differentiated instruction	•	
Inter- disciplinary Connections	•	
Lesson resources / Activities	•	

2009 NJCCCS

Standard:

Strand(s):

Content Statement(s):

CPI # / CPI(s):

[21st Century Themes](#)

Global Awareness	Financial, Economic, Business, and Entrepreneurial	Civic Literacy	Health Literacy
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			Literacy				
<u>21st Century Skills</u>							
	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration		Information Literacy
	Media Literacy		ICT Literacy		Life and Career Skills		

**Pine Hill Public Schools
Computers Curriculum**

Unit Title:		Unit #: March / April / May
Course or Grade Level: Grade K		Length of Time:
Date Created:		BOE Approval Date:
Pacing		
Essential Questions		
Content	Computer Basics Drawing Basics Word Processing Basics	
Skills	Use mouse to maneuver through a program Use SHIFT to make a capital letter Use DELETE to get rid of a mistake Use RETURN to go to a new line Print document Use drawing tools	
Math Skills/ Science Processes	•	
Assessments	Assessments Use Playroom or JumpStart Advanced Kindergarten successfully Use KidWorks2 to type first name and last, words and simple sentences	
Interventions / differentiated instruction	•	
Inter- disciplinary Connections	•	
Lesson resources / Activities	•	
2009 NJCCCS		
Standard:		
Strand(s):		
Content Statement(s):		CPI # / CPI(s):

<u>21st Century Themes</u>							
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<u>21st Century Skills</u>							
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