

Pine Hill Public Schools Curriculum

Content Area:	Technology		
Course Title/ Grade Level:	Computers / Grade 5		
Unit 1:	Digital Literacy and Citizenship	Month:	September/October
Unit 2:	Webpages-Analyzing them/Building them and Microsoft Word	Month:	November/December
Unit 3:	Spreadsheets/Research/ Map Skills	Month:	January
Unit 4:	World Landmarks/Writing News Articles/Microsoft Word (Techno Correspondent) Graphs/Poetry	Month:	February/March
Unit 5:	TechnoQuest/Databases/Word Processing/Presentation/	Month:	April/May/June
Date Created or Revised:	Updated 12/9/2012		
BOE Approval Date:	8/28/12 & 12/18/12		

Pine Hill Public Schools Computers Curriculum							
Unit Title: Digital Literacy and Citizenship/CyberBullying						Unit #: 1	
Course or Grade Level: Grade 5				Length of Time: September/October			
Date Created: 12/9/2012				BOE Approval Date:			
Pacing		6 Sessions					
Essential Questions		What is Cyberbullying and what can I do to prevent it? How do I correctly cite a source from the Internet? How do I write a bibliography using Internet resources?					
Content		<ul style="list-style-type: none"> • Cyberbullying • Strategies for dealing with cyberbullying • Citing Internet resources • MLA style citations 					
Skills		<ul style="list-style-type: none"> • Empathize with those who have received hurtful messages online • Generate solutions for dealing with cyberbullying. • Identify similarities/differences between in-person bullying and cyberbullying • Explain the value of giving proper citations • Name the components of MLA style citations • Create MLA style citations for online articles 					
Assessments		<ul style="list-style-type: none"> • Commonsense lesson worksheets and assessment sheets (see links below) • Teacher observation 					
Interventions / differentiated instruction		<ul style="list-style-type: none"> • Peer instruction • Printed directions • One on one instruction 					
Inter-disciplinary Connections		<ul style="list-style-type: none"> • Language Arts • Guidance 					
Lesson resources / Activities		<ul style="list-style-type: none"> • http://www.common sense media.org/sites/default/files/3-5-unit1-thepowerofwords.pdf • http://www.common sense media.org/sites/default/files/3-5-unit3-whatscyberbullying.pdf • http://www.common sense media.org/sites/default/files/3-5-unit2-howtociteasite.pdf 					
2009 NJCCCS							
Standard: 8.1							
Strand(s): A. Technology Operations and Concepts							
Content Statement(s): Technological Advancements create societal concerns regarding the practice of safe, legal, and ethical behaviors				CPI # / CPI(s): 8.1.2.D.1 Model legal and ethical behaviors when using both print and non-print information by citing resouces. 8.1.4.D.2 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.			
21 st Century Themes							
x	Global Awareness		Financial, Economic,		Civic Literacy		Health Literacy

			Business, and Entrepreneurial Literacy				
<u>21st Century Skills</u>							
	Creativity and Innovation		Critical Thinking and Problem Solving		Communication and Collaboration	x	Information Literacy
x	Media Literacy		ICT Literacy		Life and Career Skills		

**Pine Hill Public Schools
Computers Curriculum**

Unit Title: Webpages-Analyzing them/Building them Microsoft Word		Unit #: 2
Course or Grade Level: Grade 5		Length of Time: November/December
Date Created: 6-19-2012		BOE Approval Date:
Pacing	6-8 Sessions	
Essential Questions	How do I build a website? How do I find good websites (versus “not so good” websites) to answer my questions? How do I add content to a website?	
Content	<ul style="list-style-type: none"> • Microsoft Word Menu tools/Button bar • Microsoft Clipart • Microsoft Excel • Internet (Google Images) • Keyboarding (Master Key Program/ Type to Learn 4) • Word Processing • Internet • Website Content 	
Skills	<ul style="list-style-type: none"> • Use of Menu Bar/Ribbon tools: • Insert a Table on a document for a comic strip • Change document layout • Use Formatting tools: correct spacing, change font, size/style • Align text • Download pictures from Internet • Format pictures • Use Spelling and Grammar Check • Use Internet (Google Images) • Create a word document (recipe) • Insert symbols • Add Wordart • Insert a footer • Create a table • Use problem solving skills to maneuver through a program • Keyboarding basic skills • Create a Spreadsheet • Evaluate websites for content and usability • Build a webpage using Microsoft Word • Format the fonts and background on a website • Add links and pictures to a website • Upload webpage to Internet 	
Assessments	<ul style="list-style-type: none"> • Scored published documents • Teacher observation • Self evaluation/Program scores • WPM-self evaluation (keyboarding) • Websites • Website evaluation sheets 	

Interventions / differentiated instruction	<ul style="list-style-type: none"> • One on one instruction • Peer assistance • Specialized keyboard • Advance levels of Interactive Program
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Math • Language Arts • Social Studies/Science (depending on website topics)
Lesson resources / Activities	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Excel • Internet Explorer

2009 NJCCCS

Standard: 8.1

Strand(s): A. Technology Operations and Concepts C. Communication and Collaboration E. Research and Information Literacy

Content Statement(s): 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 learning process and foster collaboration in solving local or global issues and problems. Effective use of digital tools assists in gathering and managing information.

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.
8.1.4.A.2 Create a document with text formatting and graphics using a word processing program.
8.1.4.A.3 Create and present a multimedia presentation that includes graphics.
8.1.4.E.2 Evaluate the accuracy of, relevance to and appropriateness of using print and non-print electronic information sources to complete a variety of tasks.
8.1.2.C.1 Engage in a variety of developmentally

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: Spreadsheets/Research/ Map Skills	
Unit #: 3	
Course or Grade Level: Grade 5	Length of Time: January
Date Created: 12/9/2012	BOE Approval Date:
Pacing	4 sessions
Essential Questions	How do I create a spreadsheet? How do I safely search the Internet? How many presidents has the United States had? Where were the presidents from? What do we know about each president?
Content	<ul style="list-style-type: none"> • Microsoft Excel • Google Safe Search • Google Earth • US Presidents
Skills	<ul style="list-style-type: none"> • Open Excel • Create headings on a spreadsheet • Use Google Safe search to research each president • Add each president to spreadsheet • Find hometowns on Google Earth • Copy and paste maps into Excel • Print
Assessments	<ul style="list-style-type: none"> • Printed spreadsheets • Teacher observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Peer assistance • One on one instruction • Printed directions
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Social Studies
Lesson resources / Activities	<ul style="list-style-type: none"> • Microsoft Excel • http://www.enchantedlearning.com/history/us/pres/list.shtml • http://www.safesearchweb.com/google-kids.html • http://www.google.com/earth/index.html
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): 8.1.4.A.3 Create and present a multimedia presentation that includes graphics. 8.1.4.A.4 Create a simple spreadsheet, enter data, and interpret the information.
<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: World Landmarks/Writing News Articles/Microsoft Word (Techno Correspondent) Graphs/Poetry	Unit #: 4
Course or Grade Level: Grade 5	Length of Time: February/March
Date Created: 12/9/2012	BOE Approval Date:
Pacing	6-8 sessions
Essential Questions	How do I write a newspaper article? What makes a good news article? What is a landmark? What is important about a landmark? How do I safely research on the Internet?
Content	<ul style="list-style-type: none"> • Microsoft Word • Safe Internet Search (Google Safe Search) • World Landmarks • Google Earth • Digital Photography
Skills	<ul style="list-style-type: none"> • Open Word • Insert a photograph • Edit a photograph (crop, remove background, etc) • Select and research a world landmark • Write and edit a news article about the landmark • Find a map on Google Earth • Copy and paste map into Word
Assessments	<ul style="list-style-type: none"> • Printed news article • Teacher observation
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Peer assistance • One on one instruction • Teacher observation
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Social Studies
Lesson resources / Activities	<ul style="list-style-type: none"> • http://www.google.com/earth/index.html • http://www.safesearchweb.com/google-kids.html • Techno Kids (Correspondent) templates
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): 8.1.4.A.2 Create a document with text formatting and graphics using a word processing program.
<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: TechnoQuest/Databases/Word Processing/Presentation		Unit #: 5
Course or Grade Level: Grade 5		Length of Time: April/May
Date Created: 12/9/2012		BOE Approval Date:
Pacing	8 sessions	
Essential Questions	What is a database and what can I use it for? What is a shield and what are the symbols on it for? What and when were the medieval times? What were some myths and legends of the medieval times?	
Content	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Access • Medieval Times Lore • Microsoft PowerPoint 	
Skills	<ul style="list-style-type: none"> • Open Word • Open a template • Color a template • Choose personal symbols for a shield • Open Access • Move between records • Create a new record • Search a database • Use the filter tool • Create a Medieval times slide • Add slide to class presentation • Create a quiz • Edit • Narrate Slides 	
Assessments	<ul style="list-style-type: none"> • Printed Shields • Printed slides • Printed quizzes 	
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Peer assistance • One on one intervention • Printed directions 	
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Social Studies 	
Lesson resources / Activities	<ul style="list-style-type: none"> • TechnoKids templates 	

2009 NJCCCS

Standard:8.1

Strand(s):Technology Operations and Applications

Content Statement(s): The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.				CPI # / CPI(s): 8.1.8.A.2 Plan and create a simple database.			
<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		