

Pine Hill Public Schools Curriculum

Content Area:		Computers	
Course Title/ Grade Level:		Computers Grade 7	
Unit 1:	Spreadsheets	Duration:	4-5 weeks
Unit 2:	PowerPoint	Duration:	4-5 weeks
Date Created or Revised:		June 2012	
BOE Approval Date:		8/28/12	

**Pine Hill Public Schools
Computer Technology Curriculum**

Unit Title: Spreadsheet		Unit #: 4
Course or Grade Level: 7		Length of Time: 4 weeks
Pacing	4 weeks	
Essential Questions	<ul style="list-style-type: none"> • How can we organize numbers and data into an easy to understand information? 	
Content	With teacher assistance the students will enter their BrainPop scores into a pre-made scoresheet. Students will create various kinds of spreadsheets with assorted data and formatting requirements.	
Skills	<ul style="list-style-type: none"> • Explain the purpose of spreadsheets. • Create and edit a spreadsheet. • Perform simple calculations. • Move between cells. • Change size of rows and columns. • Insert rows and columns. • Change formatting of cells. • Know the difference between values and labels. • Know the difference between a function and a formula • Calculate sum, average, maximum and minimum. • Choose the best chart [graph] for presenting data. • Create and customize a chart [graph]. • Create and edit a chart legend. • Customize chart colors. • Read and interpret charts. • Create a chart using and Internet chart website. • Keyboarding. 	
Math Skills/ Science Processes	<ul style="list-style-type: none"> • Formulas • Sum, average, maximum, minimum • PEMDAS 	
Assessments	<ul style="list-style-type: none"> • View on screen. • Print on paper • Spreadsheets are neat and accurate. • Charts are neat and accurate. • Hand in through LanSchool • Keyboarding with 3% or less error rate and 98% or better accuracy. 	
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Large print instructions and sample printouts. • smartboard 	
Inter-disciplinary Connections	<ul style="list-style-type: none"> • Students will develop graphing skills needed for Science lab reports. 	
Lesson resources / Activities	<ul style="list-style-type: none"> • Worksheets • Instruction sheets • Smartboard • Samples • Brainpop scoresheets. 	

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): 8.1.8.A.1 Generate a spreadsheet to calculate, graph, and present information.

21st Century Themes

	Global Awareness	x	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
Computer Technology Curriculum**

Unit Title: PowerPoint		Unit #: 3	
Course or Grade Level: 7		Length of Time: 4 weeks	
Pacing			
Essential Questions	<ul style="list-style-type: none"> • How do we create a multimedia presentation including pictures, sound, and text? 		
Content	<ul style="list-style-type: none"> • Using PowerPoint to create a slide show presentation based on current subject matter being taught in Social Studies and/or Science. • Using PowerPoint to create a slide show presentation based on a subject the teacher has selected. • Search the Internet for material for the presentation. 		
Skills	<ul style="list-style-type: none"> • Create a PowerPoint presentation to communicate information. • Search the Internet for pictures and sounds PowerPoint. • Insert pictures and sounds into a PowerPoint. • Recognize ways layout, pictures, graphics, color, font size/type/style/color, transitions, timing and animations can affect the overall quality of a PowerPoint. 		
Math Skills/ Science Processes	<ul style="list-style-type: none"> • Timing. 		
Assessments	<ul style="list-style-type: none"> • Content is appropriate to topic. • Content is accurate. • Presentation is a appealing to the eye. • View on screen. • Print handouts. 		
Interventions / differentiated instruction	<ul style="list-style-type: none"> • Large print handouts. • smartboard 		
Inter-disciplinary Connections	<ul style="list-style-type: none"> • art 		
Lesson resources / Activities	<ul style="list-style-type: none"> • Worksheets • Instruction sheets • Smartboard • samples 		
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): 8.1.8.A.3 Create a multimedia presentation including sound and images.	
<u>21st Century Themes</u>			
	Global Awareness	Financial, Economic, Business, and Entrepreneurial Literacy	Civic Literacy
			Health Literacy

21st Century Skills

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