

New for January

## Curriculum/Technology Integration Lesson Plans

Dear Teachers,

I've put together for you, lesson plans that you can use when your classes visit the Computer Lab. Most of these sites referenced in these lesson plans can be used in whole group instruction using the COWs or projection systems in the classrooms. These lesson plans are correlated to each grade level's SOL. I used the Curriculum Framework/Pacing guide to be sure that these activities support the curriculum. My goal is to provide technology resources to you in order to make it easier for you to integrate technology with the content areas and use your computer lab periods to support the curriculum.

The Harcourt Math Center is a learning management system that scores, tracks and reports student progress in Harcourt Mega Math, Assessment System, Intervention Skills, and Intervention Problem Solving. If you would like your students enrolled in the Harcourt Math Center, see your Computer Lab paraprofessional. I've included the Harcourt Math Center activities into these lesson plans.

Students can use the Harcourt Math center without being enrolled by entering the program as a Guest. Data will not be saved unless your class is enrolled.

I'm including lesson plans for grades K-5 and encourage you to take a look at those below your grade level if you have students that need review or remediation. The links provided in these lesson plans are organized on a PortaPortal website. This web address will be put on the students' computers so that students can access them easily. The blue hyperlinks in this document enable you to open the links in these lesson plans by putting your mouse pointer over the blue hyperlinks, holding down the Ctrl key and clicking.

The Internet Safety Curriculum for Colonial Heights Public Schools provides additional lessons focused on student use of the Internet. The Internet Safety curriculum can be found here: <http://www.colonialhts.net/technology.cfm>

[Debbie Walwer's Portaportal](#)

### Lesson Plan Table of Contents

Kindergarten . . . . .	page 2
First Grade . . . . .	page 3
Second Grade . . . . .	page 4
Third Grade . . . . .	page 5
Fourth Grade . . . . .	page 6
Fifth Grade . . . . .	page 7

Computer Lab Activities  
January 2011  
Kindergarten

Computer/Technology Standard K-2.1  
The student will demonstrate proficiency in the use of technology, use multimedia resources

Social Studies K.1	Identify examples of past events in legends, stories, and historical accounts of Powhatan, Pocahontas, George Washington, Betsy Ross and Abraham Lincoln Identify Martin Luther King Jr. Day, Fourth of July	The teacher will use the Smartboard to present the lesson. <a href="#">Martin Luther King Smartboard Lesson</a> <a href="#">Columbus PowerPoint</a>
Science K.4	Investigate and understand That the position, motion, and physical properties of an object can be described Big/little, Long/short Large/small Heavy/light, wide/thin Sequencing of Objects	The student will visit the website and complete the activities. Longer/Shorter <a href="#">Longer Shorter Kindergarten Math - Longer or Shorter</a>
Math K.8	Identify the instruments used to measure length-ruler, weight-scale, time-( clocks), calendar and temperature— thermometer	The student will: Use the online ruler to measure the path to the picnic <a href="#">Fuel the Brain   Inchy Picnic</a> Use the online game to determine longer/shorter <a href="#">Longer Shorter</a> Telling Time: <a href="#">Telling Time</a> Calendar-identify: <a href="#">Days and Dates</a>
Reading/English K.10	Demonstrate growth in the use of oral language January Language Arts Focus Letters l, h, b, k Print his/her last name.	The student will: Visit the website and complete the activities about the letters l, h, b, k <a href="#">Between the Lions . Theo's Puzzles   PBS KIDS!</a>

Computer Lab Activities  
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First Grade

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<p>Social Studies SOL 1.2</p>	<p>1.11 Identify Famous Americans: Benjamin Franklin George Washington Carver Eleanor Roosevelt</p>	<p>The student will visit the website and read to learn about Benjamin Franklin. (Reading is involved, this is a teacher directed learning activity, use AV Projector in Computer Labs) <a href="#">Ben's Guide: Benjamin Franklin</a></p>
<p>Science SOL 1.6</p>	<p>Investigate and understand the relationship of seasonal change and weather to the activities and life processes of plants and animals Hibernation, migration, habitat, body covering, how people dress</p>	<p>The student will visit the website and match the animal to its habitat. <a href="#">Active Science - GSK</a> <a href="#">Quia - Habitat Vocabulary Match-up</a> (may need to be a group activity with teacher leading in the lab using the AV Projection System)</p>
<p>Math SOL 1.1</p>	<p>Number and Number Sense Count forward by ones, fives, and tens to 100, by twos to 20. <a href="#">Harcourt Math-see teacher's edition for online activities</a> <a href="#">Intervention, Mega Math, Assessment</a></p>	<p>The student will visit the website and connect the dots to count by 2's. <a href="#">Connect the Dots</a> Skip-count by fives and find an under-sea adventure, then by tens to have a racing adventure. <a href="#">Connect by 5 and 10</a></p>
<p>Reading/ English SOL 1.1, 1.4</p>	<p>Apply phonetic principles to read and spell Use two-letter consonant blends to decode and spell single-syllable words Use beginning consonant digraphs to decode and spell single-syllable words</p>	<p>The student will visit the website and complete the activities: Read the story Dog and Cat to recognize single syllable words: <a href="#">Dog And 1</a>, <a href="#">1.4Cat</a> Guess, Guess: <a href="#">Guess, Guess</a> &amp; Cookies: <a href="#">Cookies</a></p>

Computer Lab Activities  
January 2011  
Second Grade

Computer/Technology Standard K-2.1  
The student will demonstrate proficiency in the use of technology, use multimedia resources

<p>Social Studies SOL 2.9</p>	<p>The student will distinguish between Barter/Money and Scarcity <b>Economics</b></p>	<p>Economics Matching Activity <a href="#">Quia - economics</a> Economics Vocabulary: <a href="#">Quia - economics</a> Economics Concentration Game <a href="#">Quia - economics</a> Good <b>SmartBoard</b> activities</p>
<p>Science SOL 2.7a</p>	<p>Investigate and understand that weather and seasonal changes affect plants, animals, and their surroundings. Migration, hibernation, camouflage, adaptation, dormancy</p>	<p>The student will visit the website and match the animal to its habitat. <a href="#">ActiveScience - GSK</a> Camouflage-Hidden animal search <a href="#">Camouflage Field Book</a>  Good <b>SmartBoard</b> activities</p>
<p>Math SOL 2.1</p>	<p>Count forward by twos, fives, and tens to 100, starting at various multiples of 2, 5, or 10 Count backward by tens from 100 Recognize even and odd numbers  <b>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</b></p>	<p>The student will visit the website and count by twos: <a href="#">Number Patterns</a> Count by fives: <a href="#">Number Patterns</a></p>
<p>Reading/English SOL 2.4</p>	<p>The student will use phonetic strategies when reading and spelling. Use knowledge of consonants, consonant blends, and consonant digraphs to decode and spell words.</p>	<p>The student will visit the website and identify r-controlled vowel patterns: <a href="#">Car Race</a> <a href="#">My Horse Glory</a> <a href="#">Make a Word: Control-OR</a> <a href="#">Picture Hunt</a> Good <b>SmartBoard</b> activities</p>

Computer Lab Activities  
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Third Grade

Computer/Technology Standard 3-5.1  
The student will demonstrate knowledge of the nature and operation of technology systems, follow rules for personal safety when using the Internet.

<p>Social Studies SOL 3.5</p>	<p>Map Skills—Countries, Regions Locate countries explored by Christopher Columbus, Juan Ponce de Leon, Jacques Cartier, and Christopher Newport (Spain, England, France)</p>	<p>Christopher Columbus: <a href="http://www.bbc.co.uk/schools/famouspeople/standard/columbus/index.shtml">http://www.bbc.co.uk/schools/famouspeople/standard/columbus/index.shtml</a>  Kids Geo.com: Match the European country and drag it to the map <a href="#">Europe Map Match Game - By KidsGeo.com</a>  Map Game: <a href="#">USA Map Match Game - Geography Games For Kids - By KidsGeo.com</a></p>
<p>Science SOL 3.10</p>	<p>The student will investigate and understand that natural events and human influences can affect the survival of species Human activity on the quality of air, water, and habitat Conservation Read temperature to the nearest degree</p>	<p>The student will visit the website and navigate the website to learn about trash, litter, and beautification of our environment. Waste Not: <a href="#">Solid Waste</a></p>
<p>Math SOL 3.13, 3.16</p>	<p>Computation and Estimation Recall the multiplication and division facts through the nines tables. <i>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</i></p>	<p>The student will visit the websites and practice recall of multiplication facts. <a href="http://www.harcourtschool.com/activity/mult/mult.html">http://www.harcourtschool.com/activity/mult/mult.html</a> That's a Fact, Practice Multiplication Facts: <a href="#">That's a Fact</a> AAA Math: <a href="#">Multiplication</a></p>
<p>Reading/English SOL 3.6</p>	<p>Read and demonstrate comprehension of nonfiction. Identify author's purpose.</p>	<p>The student will visit the website and complete the online activity: Author's Purpose (1): <a href="#">Reading Skills Rocket</a> Author's Purpose (2): <a href="http://www.harcourtschool.com/activity/trophies/rsr/build1/RR_e_3_7.htm">http://www.harcourtschool.com/activity/trophies/rsr/build1/RR_e_3_7.htm</a></p>

Computer Lab Activities  
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Fourth Grade

Computer/Technology Standard 3-5.1  
The student will demonstrate knowledge of the nature and operation of technology systems, follow rules for personal safety when using the Internet.

<p>Social Studies SOL VS.3</p>	<p>Demonstrate knowledge of the first permanent English settlement in America General Assembly (1619) Virginia Company House of Burgesses Servant</p>	<p>Jamestown Online Adventure: <a href="#">History Globe</a> On the Trail of Captain John Smith: <a href="#">On the Trail of Captain John Smith: A Jamestown Adventure -- National Geographic Kids</a> <a href="#">The First English Colonies</a> Match vocabulary to correct definition, Online and self-checking Good <b>SmartBoard</b> activities</p>
<p>Science SOL 4.3</p>	<p>Investigate &amp; understand the characteristics of electricity And historical contributions in understanding electricity</p>	<p>The student will visit the web sites and read to gain information about: <a href="#">Michael Faraday Multimedia Biography</a> <a href="#">Thomas Edison Multimedia Biography</a> <a href="#">Use an electromagnet to pick up paper clips, interactive</a> <a href="#">Magnetic Poles and Magnets</a></p>
<p>Math SOL 4.16</p>	<p>Identify and draw representations of lines that illustrate intersection, parallelism, and perpendicularity. <i>Harcourt Math-see teacher's edition for online activities</i> <i>Intervention, Mega Math, Assessment</i></p>	<p>The student will visit the websites and complete the activities. <a href="#">Geometry-Vocabulary Match</a> <a href="#">Perimeter and Area</a> <a href="#">Line Symmetry</a> <a href="#">Match Plane Figures</a> <a href="#">Similar and Congruent Figures</a> Good <b>SmartBoard</b> activities</p>
<p>Reading/ English SOL 4.3</p>	<p>The student will explain author's purpose. Draw conclusions, using information from texts. Distinguish between cause and effect.</p>	<p>The student will visit the website and complete the online activities. Author's purpose: <a href="#">Test Tutor</a> Draw Conclusions: <a href="#">Reading Skills Rocket</a> Draw Conclusions: <a href="#">Test Tutor</a> Cause and Effect: <a href="#">Test Tutor</a></p>
<p>Debbie Walwer, Instructional Technology Integration Specialist</p>		

**Computer Lab Activities**  
**January 2011**  
**Fifth Grade**

**Computer/Technology Standard 3-5.1**  
**The student will demonstrate knowledge of the nature and operation of technology systems, follow rules for personal safety when using the Internet.**

<p>Social Studies SOL VS.5 abc</p>	<p>Demonstrate knowledge of the role of Virginia in the American Revolution Identify the various roles played by Virginians in the Revolutionary War era</p>	<p>The student will visit the websites and complete the activities:  <a href="#">Quia - SOL VS.5a England and the Virginia Colony Disagree</a>          Jefferson and the Declaration of Independence  <a href="#">Quia - SOL VS.5a Jefferson and the Declaration of Independence</a>          Virginia and the Revolutionary War  <a href="#">Quia - SOL VS.5b Virginia and the Revolutionary War</a>          Fireworks Frenzy  <a href="#">Revolutionary War Game</a>          American Revolution—Key Figures  <a href="#">Quia - American Revolution - Key Figures</a></p>
<p>Science SOL 5.7</p>	<p>Review Ecosystems (4th grade SOL)</p>	<p><a href="#">Exploring Ecosystems</a>          The student will visit the site, see the pictures and read about ecosystems (review of SOL 4.5).</p>
<p>Math SOL 5.20</p>	<p>Analyze the structure of numerical and geometric patterns using words, tables, graphs or a mathematical sentence.  <i>Harcourt Math-see teacher's edition for online activities</i>  <i>Intervention, Mega Math, Assessment</i></p>	<p>The student will visit the site and complete the activities:  <a href="#">Escape from Planet X Equations</a>  <a href="#">Math Connects</a>: Choose Tables  <a href="#">That's a Fact!</a>          (timed, self checking skill drills)</p>
<p>Reading/English SOL 5.4</p>	<p>Use context to clarify meaning of unfamiliar words.          Use knowledge of root words, prefixes, and suffixes.          Use dictionary, glossary, thesaurus, and other word-reference materials.</p>	<p>The student will visit the website and complete the activities online.          Prefixes and Suffixes:  <a href="#">Book Buddy</a> (game)          Prefixes, Suffixes, and Roots  <a href="#">Test Tutor</a>          Reference Choice—What is the best source to use?  <a href="#">reference</a></p>