

# New for February

## 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. 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 n 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.

### [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  
February 2011  
Kindergarten

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

<p>Social Studies K.11</p>	<p>Recognize that history describes events and people that have made a difference President's Day</p>	<p>View video US Symbols: <a href="#">BrainPOP Jr.   U.S. Symbols</a> Match the US Symbols—game <a href="#">BrainPop Jr.   U.S. Symbols   Game</a> Abraham Lincoln matching game: <a href="#">BrainPop Jr.   Abraham Lincoln   Game</a> View video Abraham Lincoln: <a href="#">BrainPop Jr.   Abraham Lincoln</a></p>
<p>Science K.8</p>	<p>Investigate and understand magnets</p>	<p>The student will visit the website and complete the activity: (pushes and pulls) <a href="#">BBC - Schools Science Clips - Pushes and pulls</a>  Magnets and springs: <a href="#">BBC - KS2 Bitesize: Science - Magnets - activity</a></p>
<p>Math K.7</p>	<p>Identify a penny, nickel, dime and quarter</p>	<p>The student will: Visit the website to identify penny, nickel, dime and quarter and determine their values <a href="#">Money to Build a Robot</a> (identify money) <a href="#">Counting Money</a> (count, value)</p>
<p>Reading/English K.1</p>	<p>Demonstrate growth in the use of oral language November Language Arts Focus Letters o, w, and x</p>	<p><a href="#">Between the Lions . Theo's Puzzles   PBS KIDS!</a> The student will: Visit the website and complete the activities about the letters o, w, and x, view the videos That show words beginning with o, w and x.</p>
<p>Debbie Walwer, Instructional Technology Integration Specialist</p>		

Computer Lab Activities  
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First Grade

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<p>Social Studies SOL 1.2</p>	<p>Identify George Washington &amp; Abraham Lincoln, <u>President's Day</u> also Ben Franklin, George Washington Carver and Eleanor Roosevelt</p>	<p>The student will visit the website and complete the online activity: <b>Abraham Lincoln matching game:</b> <a href="#">BrainPop Jr.   Abraham Lincoln   Game</a> <b>View video Abraham Lincoln:</b> <a href="#">BrainPop Jr.   Abraham Lincoln</a> <b>GW Carver matching game:</b> <a href="#">BrainPop Jr.   George Washington Carver   Game</a> <b>George Washington order of events activity:</b> <a href="#">BrainPop Jr.   George Washington   Game</a></p>
<p>Science SOL 1.3 SOL 1.6</p>	<p>Investigate and understand- Some liquids will separate when mixed with water, others will not Some common solids will dissolve in water, others will not Some substances will dissolve more readily in hot water than in cold water Earth, Moon, and Sun Relationships</p>	<p>The student will visit the website and complete the online activity: <a href="#">Properties of Matter Dissolving</a> Online game: <a href="#">BrainPop Jr.   Moon   Game</a> Online game: <a href="#">BrainPop Jr.   Solar System   Game</a></p>
<p>Math SOL 1.1</p>	<p>Number and Number Sense Count objects in a given set containing between 1 and 100 objects and write the corresponding numeral. <i>Harcourt Math-see teacher's edition for online activities</i> <i>Intervention, Mega Math, Assessment</i></p>	<p><a href="#">Addition Surprise</a> The student will visit the website and fill in the grid as they add numbers correctly <a href="#">Number Line Express</a> The student will visit the website and use a number line.</p>
<p>Reading/English SOL 1.1, 1.4</p>	<p>Listen and respond to a variety of media, including books, audiotapes, videos, rhymes, songs and stories</p>	<p><a href="#">Rhyme Time Matching Game</a> <a href="#">Little Animals Match Rhyming Words</a> <a href="#">Rhyme Time Matching q Game #2</a> The student will visit the web site and complete the activities, to identify and match rhyming words,</p>

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Second Grade**

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<p>Social Studies SOL 2.7</p>	<p>Describe natural resources (water, soil, wood, and coal), human resources (people at work), and capital resources (machines, tools, and buildings).</p>	<p>The student will visit the website and complete the online activity: <a href="#">On The Resource Trail</a> <a href="#">People Can Avoid Wasting</a></p>
<p>Science SOL 2.6</p>	<p>Investigate and understand Weather A) temperature, wind, precipitation, drought, flood, &amp; storms B) The uses and importance of measuring &amp; recording weather data</p>	<p>Weather activities: <a href="#">Report the Weather</a> <a href="#">Interactive Weather Maker</a> <a href="#">The Weather Game</a></p>
<p>Math SOL 2.4, 2.5</p>	<p>Count forward by twos, fives, and tens to 100, starting at various multiples of 2, 5 or 10  <i>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</i></p>	<p>The student will visit the website and complete the online activity: <a href="#">Number Patterns-Counting by twos</a> <a href="#">Number Patterns-Counting by Fives</a></p>
<p>Reading/English SOL 2.7, 2.8</p>	<p>The student will read fiction and nonfiction and answer questions about what is read.  The student will read to compare and contrast two or more things.</p>	<p><a href="#">The Emperor's Egg Vocabulary</a> (matching online activity) <a href="#">Digraph oo sounds</a> (phonics online )activity  <a href="#">Synonym and Antonyms</a> (Reading Skills Rocket online activity) <a href="#">Homophone Matching</a> (memory game)</p>

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Third Grade

Computer/Technology Standard 3-5.1  
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<p>Social Studies SOL 3.5 c, d</p>	<p>Develop map skills by locating countries-Spain, England, &amp; France Locate regions in the Americas explored by Christopher Columbus, Juan Ponce de Leon, Jacques Cartier and Christopher Newport</p>	<p>The student will visit the website and complete the activities: <a href="#">Map Quiz</a> (student answers questions about map concepts) <a href="#">Use a Globe</a> (online activity) <a href="#">Map Symbols Online Activity</a></p>
<p>Science SOL 3.8</p>	<p>The student will investigate and understand- patterns of natural events (day and night, seasonal changes, phases of the moon, and tides) Animal and plant life cycles</p>	<p>The student will visit the website and complete the activities: <a href="#">Moon and Stars</a> <a href="#">Seasons Activity</a> <a href="#">Phases of the Moon</a> <a href="#">Monarch Lifecycle</a> <a href="#">Cycles of Life</a></p>
<p>Math SOL 3.6</p>	<p>Compare the numerical value of two fractions having like and unlike denominators  <i>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</i></p>	<p>The student will visit the website and complete the activities: <a href="#">Add Like Fractions</a> <a href="#">Color the Fraction</a> <a href="#">Equivalent Fractions</a> <a href="#">Identify Fractions</a></p>
<p>Reading/English SOL 3.3, 3.7</p>	<p>The student will read fiction and nonfiction and answer questions about what is read. Use a dictionary, glossary, thesaurus, encyclopedia, and online reference materials</p>	<p><a href="#">Fact or Fiction</a> The student will visit the website to read passages and identify if a paragraph is fact or fiction. <a href="#">Use a Dictionary</a> Tutorial and quiz <a href="#">Reference Sources</a> (goes with the story Across the Wide Dark Sea)</p>

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Fourth Grade

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<p>Social Studies SOL VS.3</p>	<p>Demonstrate knowledge of the first permanent English settlement in America</p>	<p>The student will visit the websites and complete the activities. <a href="#">Jamestown Adventure</a> <a href="#">Jamestown and the Powhatan, Werowocomoco</a> <a href="#">Captain John Smith Interactive Game</a></p>
<p>Science SOL 4.6</p>	<p>Investigate &amp; understand how weather conditions and phenomena occur and can be predicted</p>	<p>The student will visit the web sites and read to gain information about: <a href="#">Interactive Weather Maker</a> <a href="#">Predict and Report the Weather</a> <a href="#">Weather Vocabulary-Matching</a> <a href="#">The Weather Game</a> Good sites to use with the SmartBoard</p>
<p>Math SOL 4.2</p>	<p>Identify, model, and compare rational numbers: fractions and mixed numbers, represent equivalent fractions  Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</p>	<p>The student will visit the web sites and complete the online activities: <a href="#">Equivalent fractions - matching</a> <a href="#">Create Equivalent Fractions</a> <a href="#">Find Equivalent Fractions</a> <a href="#">Fraction Crossword Puzzle</a> <a href="#">Find Equivalent Fractions</a> Good sites to use with the SmartBoard</p>
<p>Reading/ English SOL 4.4</p>	<p>Read and demonstrate comprehension of fiction: Author's Purpose</p>	<p>The student will visit the web sites and complete the online activities: <a href="#">Author's Purpose Online, self checking</a> <a href="#">Author's Purpose Activity</a> <a href="#">Author's Purpose self-checking quiz</a></p>

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**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.7 a, b</p>	<p>History of Virginia Identify the events and differences between northern and southern states that divided Virginians and led to secession, war</p>	<p><a href="#">Harriet Tubman-article</a>  <a href="#">Nat Turner &amp; John Brown Underground Railroad</a>  <a href="#">Civil War Vocabulary</a>  <a href="#">Civil War Terms and People-Matching Game</a></p>
<p>Science SOL 4.3 Review</p>	<p>Investigate &amp; understand the characteristics of electricity.  a) conductors and insulators  b) basic circuits (open/closed, parallel/series)  c) static electricity  d) the ability of electrical energy to be transformed</p>	<p>The student will visit the site and complete the online activities:  <a href="#">Electrical Conductors</a>  <a href="#">Changing Circuits</a>  <a href="#">Magnets</a>  <a href="#">Conductors and Insulators</a></p> <p style="color: red;">Good sites for use with the SmartBoard</p>
<p>Math SOL 5.2</p>	<p>Number &amp; Number Sense Fractions/Decimals Recognize and name commonly used fractions halves, fourths, fifths, eighths, and tenths) their equivalent decimal form and vice versa.</p>	<p>The student will visit the site and complete the online activities:  <a href="#">Equivalent Fractions Matching</a>  <a href="#">Match Fractions and Decimals</a>  <a href="#">Bowling for Fractions</a>  <a href="#">Identify the Fraction</a></p> <p style="color: red;">Good sites for use with the SmartBoard</p>
<p>Reading/English SOL 5.6</p>	<p>Identify cause/effect relationships Compare and contrast</p>	<p>The student will visit the site and complete the online activities:  <a href="#">Cause and Effect</a> (Good site to use with the SmartBoard)  <a href="#">Compare and Contrast</a></p>