

November 2010

## 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. I have put an \* beside activities that work well using the Smart Boards that are in each schools' Computer Labs. Using the Smart Board is a good way to introduce computer technology to younger students.

### [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

Technology Integration Activities  
November 2010  
Kindergarten

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

Social Studies K.11	Identify examples of past events in legends, stories, and historical accounts Recognize letters	<a href="#">You're a Grand Old Flag</a> <a href="#">Thanksgiving Online Puzzle</a> <a href="#">Disney Letter Recognition</a> (self-checking)
Science K.8	Investigate and understand simple patterns, A) the shapes and forms of many common natural objects including seeds, cones, and leaves	<a href="#">Identify Plant Parts</a> The student will visit the website to play the game. The teacher will visit this website and show the video <a href="#">Wheat to Bread</a> . Identify the Seasons The teacher will show the PowerPoints available at this site: <a href="#">Seasons PowerPoints</a>
Math K.12	Identify plane geometric figures: circle, triangle, square, and rectangle.	The student will: Visit the website to identify circles, triangles, squares and rectangles: <a href="#">Storyplace Shapes Online Activity</a>
Reading/English K.1	Demonstrate growth in the use of oral language November Language Arts Focus Letters n and d	<a href="#">Between the Lions . Theo's Puzzles   PBS KIDS!</a> The student will: Visit the website and complete the activities about the letters d and n, view the videos That show words beginning with d and n. <b>*SmartBoard Activity</b>

Technology Integration Activities  
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First Grade

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<p>Social Studies SOL 1.1</p>	<p>1.11 Identify Thanksgiving and review the timeline. Interpret information presented in picture timelines to show sequence of events and distinguish among past, present, and future</p>	<p><a href="#">The First Thanksgiving</a> The teacher will visit the website and show the pictures, story, and timeline about Thanksgiving.</p>
<p>Science SOL 1.7</p>	<p>Investigate and understand the relationship of seasonal change and weather to the activities and life processes of plants and animals.</p>	<p>The student will visit the website and click on water, sunlight, to make a plant grow. <a href="#">BBC - Schools Science Clips - Growing plants</a> <b>*SmartBoard Activity</b> The student will review the Water Cycle by watching the video at this link: <a href="#">The Water Cycle</a> The student will identify seasonal changes by watching the video at this link: <a href="#">Seasonal Changes</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. <a href="#">Harcourt Math-see teacher's edition for online activities</a> <a href="#">Intervention, Mega Math, Assessment</a></p>	<p><a href="#">Addition Surprise</a> <b>*SmartBoard Activity</b> The student will visit the website and fill in the grid as they add numbers correctly <a href="#">Number Line Express</a> <b>*SmartBoard Activity</b> 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>Debbie Walwer, Instructional Technology Integration Specialist</p>	<p><a href="#">Rhyme Time Matching Game</a> <b>*SmartBoard Activity</b> <a href="#">Little Animals Match Rhyming Words</a> <a href="#">Rhyme Time Matching Game #2</a> The student will visit the web site and complete the activities, to identify and match rhyming words,</p>

Technology Integration Activities  
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Second Grade

Computer/Technology Standard K-2.1  
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<p>Social Studies SOL 2.5</p>	<p>Demonstrate map skills by using a map to locate the equator, the seven continents, and the five oceans on maps and globes</p>	<p><a href="#">Find the Continent</a> The student will visit the website and match the correct continent to it's name.</p>
<p>Science SOL 2.5</p>	<p>Investigate and understand that living things are part of a system Living organisms are interdependent with their surroundings Habitats change over time due to many influences</p>	<p><a href="#">All About Habitats</a> The student will visit the website and visit several different habitats, Grasslands, Wetlands, and Prairies. <a href="#">Coral Reef</a> The student will explore a coral reef to see what organisms live in that ocean environment. <b>*SmartBoard Activity</b></p>
<p>Math SOL 2.1</p>	<p>Read, write, and identify the place value of each digit in a three-digit numeral, using numeration models</p> <p><i>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</i></p>	<p><a href="#">Harcourt School Numbers to 100</a> The student will visit the websites and use models to identify the numbers and place value. <a href="#">Numbers to 1000 in Different Ways</a> <a href="#">Numbers to 1,000</a> Use place value and models to type the correct number.</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.</p> <p>The student will read to compare and contrast two or more things.</p>	<p><a href="#">Reading Skills Rocket</a> The student will visit the website and compare and contrast two or more things. <a href="#">Fact or Fiction</a> The student will visit the website to read passages and identify if a paragraph is fact or fiction.</p>

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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 3.1</p>	<p>Explain how the contributions of ancient Greece &amp; Rome have influenced the present in terms of architecture, government, and sports</p>	<p><a href="#">About Greece Crossword Puzzle</a> The student will visit the website and complete the crossword puzzle about Greece. <a href="#">About Rome Crossword Puzzle</a> The student will visit the website and complete the crossword puzzle about Rome. <a href="#">Roman Empire, Matching Game</a> Interactive game matching vocabulary and definitions <a href="#">Ancient North American Matching Game</a></p>
<p>Science SOL 3.9</p>	<p>The student will investigate and understand the water cycle, water supply, and water conservation.</p>	<p><a href="#">The Water Cycle</a> The student will view the video on the website and identify the water cycle. <a href="#">Ways to Save Resources</a> The student will view the activity on the website and discover ways people can reduce, recycle, and reuse to save resources.</p>
<p>Math SOL 3.13, 3.15</p>	<p>Tell the time to the nearest five-minute interval and to the nearest minute. Determine by counting the value of a collection of bills and coins.</p> <p>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</p>	<p><a href="#">Harcourt Telling Time</a> The student will choose the correct time on a clock. (self-checking) <b>*SmartBoard Activity</b> <a href="#">Math Jingles</a> The student will listen to a music video about <i>making change</i>. <a href="#">Harcourt Time and Money</a> The student will match equivalent amounts of money. <a href="#">Add Money Interactive Video</a> Shows students how to add money.</p>
<p>Reading/English SOL 3.3</p>	<p>The student will read fiction and nonfiction and answer questions about what is read.</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.</p>

Technology Integration 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.2</p>	<p>Locate the American Indian language groups and describe how American Indians related to the climate and their environment</p>	<p>The student will visit the websites and complete the activities. <a href="#">Iroquois Indians Interactive Crossword Puzzle</a> <a href="#">Settling the Americas</a> <a href="#">Native American Interactive Crossword Puzzle</a></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 4.15, 4.17</p>	<p>Geometry Analyze and compare the properties of two-dimensional geometric figures Identify congruent and non-congruent shapes</p> <p>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</p>	<p><a href="#">Finding Area Interactive</a> The student will find the areas of different rectangles. (<a href="#">recording sheet</a> for this activity-print out before completing the activity) <a href="#">Congruent or Similar</a> The student will decide if the figures shown are congruent, similar, or neither. <a href="#">Match the Geometric figures</a> Chord, diameter, rhombus, angles</p>
<p>Reading/ English SOL 4.3</p>	<p>Use context to clarify meanings of unfamiliar words. Use knowledge of word origins; synonyms, antonyms, and homonyms, and multiple meanings of words</p>	<p><a href="#">Subjects and Nouns</a> Online lesson and quiz <a href="#">Pronouns &amp; Homophones</a> Lesson and Quiz <a href="#">The Homophone Express</a> Use the correct homophone-activity <b>*SmartBoard Activity</b></p>
<p>Debbie Walwer, Instructional Technology Integration Specialist</p>		

Technology Integration Activities  
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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.3</p>	<p>History of Virginia Describe the hardships faced by settlers at Jamestown and the changes that took place to ensure survival.</p>	<p><a href="#">The First English Colonies</a> Match vocabulary to correct definition, Online and self-checking <a href="#">Jamestown Fort rediscovered</a> Multimedia article on Jamestown <a href="#">The Jamestown Online Adventure</a> The student will "virtually" travel to Jamestown and make decisions about food, health and morale to settle a successful colony. <a href="#">English Colony-Online Quiz</a> Self checking</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 5.8</p>	<p>Find the sum of decimal numbers Practice multiplication facts  <i>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</i></p>	<p><a href="#">Demonstration-Add decimal numbers</a> Shows how to add decimal numbers with a Demonstration, step by step <a href="#">That's a Fact!</a> (timed, self checking skill drills)</p>
<p>Reading/English SOL 5.3, 5.4</p>	<p>Organize major ideas, summarize, Find the main idea, discriminate fact from opinion</p>	<p><a href="#">Main Idea and Details</a> Online Activity-self checking <a href="#">Context Clues</a> Online Activity-self checking <a href="#">Fact and Opinion</a> Online Activity-self checking</p>