

April & May

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
April & May 2011
Kindergarten

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

Social Studies K.6	Match simple descriptions of work that people do with the names of those jobs. (Doctor, Builder, Cook, & Farmer)	The student will visit the website and complete the activity: What's My Job? -- People Who wears this hat? What's my job? Matching Game
Science K.7 & K.6	Investigate and understand that shadows occur when light is blocked by an object. Understand basic needs and life processes of plants and animals.	The student will visit the website and complete the activity: BBC - KS2 Bitesize: Science - Light and shadows - activity Animal Matching to Sounds
Math K.7	Identify a penny, nickel, dime and quarter	The student will: Visit the website to identify penny, nickel, dime and quarter and determine their values Money to Build a Robot (identify money) Counting Money (count, value)
Reading/English K.7	Identify and name the uppercase and lowercase of letters of the alphabet; Match consonant and short vowel sounds to appropriate letters; Identify beginning consonant sounds in single-syllable words.	The student will visit the website and complete the activity: Peg the Hen The Big Hit Mox's Shop Gus the Duck Robot & Mr. Mole
Debbie Walwer, Instructional Technology Integration Specialist		

**Computer Lab Activities
April & May 2011
First Grade**

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

<p>Social Studies SOL 1.7</p>	<p>Explain the difference between goods and services and describe how people are consumers and producers of goods and services</p>	<p>The student will visit the website and complete the online activity: Goods and Services Activity Economic Choices Workers and Their Hats</p>
<p>Science SOL 1.8</p>	<p>Investigate and understand that plants have life needs and functional parts that can be classified.</p>	<p>The student will visit the website and complete the online activity: Plants and animals BBC - Schools Science Clips - Growing plants Plant Life How plants grow All About Plants</p>
<p>Math SOL: 1.9 Measure- ment 1.10 Weight/ Mass 1.7 Identify equivalent amounts of money</p>	<p>Use nonstandard units to measure length, weight/mass, and volume. <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: Length Strength: Paper Clips Length Strength: Inches Pounds Comparing Money</p>
<p>Reading/ English SOL 1.6</p>	<p>Apply phonetic principles to read and spell: Vowel phonemes CVC Words Initial and End Clusters Long Vowel Sounds</p>	<p>The student will visit the website and complete the online activity: Sand Castle Quiz The Whirlyword Machine BBC - Words and Pictures - Wordblender home BBC - Words and Pictures - Poems</p>

**Computer Lab Activities
April & May 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 2.3 & 2.4</p>	<p>Identify and compare changes in community life over time in terms of buildings, jobs, transportation, and population Understand the relationship between the environment and the culture of ancient China and Egypt</p>	<p>The student will visit the website and complete the online activity: Build a Neighborhood Community Jobs Adventure Island Map Skills Egyptian tomb adventure The Egyptians</p>
<p>Science SOL 2.4 2.7, 2.8</p>	<p>Investigate and understand that plants and animals undergo a series of orderly changes in their life cycles Investigate and understand that weather and seasonal changes affect plants, animals, and their surroundings Understand that plants produce oxygen and food, and are a source of useful products</p>	<p>The student will visit the web sites and complete the activities Something Froggy Growing Plants Plant Explorer Exploring the Secret Life of Trees Trees Are Terrific - Travels with Pierre</p>
<p>Math SOL 2.16, 2.11, 2.20</p>	<p>Identify, describe, compare, and contrast plane and solid geometric figures (circle, sphere, square, cube, and rectangle, rectangular prism) <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: Time and Money Measuring Using Centimeters Faces and Edges It's a Date Symmetry</p>
<p>Reading/English SOL 2.8</p>	<p>The student will read and demonstrate comprehension of a variety of fiction and nonfiction.</p>	<p>The student will visit the website and read several fiction and non-fiction stories: Fiction and Nonfiction</p>

Computer Lab Activities
 April & May 2011
 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 3.10, 3.11</p>	<p>Explain the importance of basic principles that form the foundation of a republican form of government</p>	<p>The student will visit the website and complete the activities: The Life of George Washington -- The Movie Ben's Guide: Grades 3-5</p>
<p>Science SOL 3.7</p>	<p>The student will investigate and understand the major components of soil, its origin, and importance to plants and animals</p>	<p>The student will visit the website and complete the activities: The Dirt on Soil - Learning Adventures</p>
<p>Math SOL 3.14 Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</p>	<p>Identify, describe, compare, and contrast characteristics of plane and solid geometric figures (circle, square, rectangle, triangle, cube, rectangular prism, square pyramid, sphere, cone, and cylinder. That's A Fact: Multiplication Facts Drill</p>	<p>The student will visit the website and complete the activities: Buzzing with Shapes Loading Shapes Solid Figure Factory That's a Fact</p>
<p>Reading/English SOL 3.3, 3.7</p>	<p>The student will read fiction and non-fiction and answer questions about what is read. Use a dictionary, glossary, thesaurus, encyclopedia, and online reference materials Harcourt Trophies (this site has online activities for each reading story)</p>	<p>Fact or Fiction The student will visit the website to read passages and identify if a paragraph is fact or fiction. Use a Dictionary Tutorial and quiz Reference Sources (goes with the story Across the Wide Dark Sea)</p>

Computer Lab Activities
April & May 2011
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.4</p>	<p>Demonstrate knowledge of the first permanent English settlement in America</p>	<p>The student will visit the websites and complete the activities. Jamestown Adventure Jamestown and the Powhatan, Werowocomco Captain John Smith Interactive Game Teach Dear America Scholastic.com</p>
<p>Science SOL 4.4</p>	<p>Investigate & understand basic plant anatomy and life processes (structures of typical plants, photosynthesis, dormancy)</p>	<p>The student will visit the web sites and complete the online activities: Great Plant Escape Plant Explorer Plant Life plants galore Introduction to Plants The Life Cycle of Plants</p>
<p>Math SOL 4.5, 4.6, 4.7</p>	<p>Add and subtract with decimals; determine elapsed time in hours and minutes; Estimate and measure length; estimate and measure weight/mass <i>Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</i></p>	<p>The student will visit the web sites and complete the online activities: The Ruler Game - Learn To Read A Ruler Metric Measurement Match Fractions and Decimals Fractions, Mixed numbers, & Decimals</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: Author's Purpose Online, self checking Author's Purpose Activity Author's Purpose self-checking quiz Harcourt Trophies (this site has online activities for each reading story)</p>

Computer Lab Activities
April & May 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.9</p>	<p>Demonstrate knowledge of twentieth and twenty-first century Virginia Economic and social transition Woodrow Wilson George C. Marshall Three branches of Virginia government</p>	<p>The student will visit the site and complete the online activities: VS.9b and c 20th Century Review Quia - SOL VS.10a The Government of Virginia Regions and Products -- Name It! 20th Century Regions and Products-Choose It! Products and Regions - produced using the Products and Regions-Game</p>
<p>Science SOL 5.5</p>	<p>Investigate & understand that organisms are made of cells and have distinguishing characteristics: Basic cell structures and functions Kingdoms of living things Vascular and nonvascular plants Vertebrates and invertebrates</p>	<p>The student will visit the site and complete the online activities: Kingdoms-Classify It! Comparing Plant and Animal Cells (Choose this title from the list) Vascular Plants Cell Inspector Protists (Choose this from the list)</p>
<p>Math SOL 5.8</p>	<p>Find Perimeter, area, and volume in standard units of measure</p>	<p>The student will visit the site and complete the online activities: Perimeter of a Rectangle Perimeter and Area Find Perimeter Game Theme Park Favorites-Graphs Interactivate: Perimeter Explorer</p>
<p>Reading/English SOL 5.6</p>	<p>Identify cause/effect relationships Compare and contrast</p> <p style="text-align: right;">Debbie Walwer, Instructional Technology</p>	<p>The student will visit the site and complete the online activities: Cause and Effect Compare and Contrast Harcourt Trophies (this site has online activities for each reading story)</p> <p style="text-align: right;">Integration Specialist</p>