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](http://www.colonialhts.net/technology.cfm)

[Debbie Walwer's Portaportal](#)

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Debbie Walwer, Instructional Technology Integration Specialist
| 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. Martin Luther King Smartboard Lesson. Columbus PowerPoint. |
| 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. Longer Shorter. Kindergarten Math - Longer or Shorter. |
| 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. Fuel the Brain | Inchy Picnic. Use the online game to determine longer/shorter. Longer Shorter. Telling Time: Telling Time. Calendar—identify: Days and Dates. |
| 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. Between the Lions. Theo’s Puzzles | PBS KIDS! |

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<tr>
<th>Social Studies</th>
<th>Identify Famous Americans: Benjamin Franklin, George Washington Carver, Eleanor Roosevelt</th>
<th>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) <strong>Ben’s Guide: Benjamin Franklin</strong></th>
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<tr>
<td>Science SOL 1.6</td>
<td>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</td>
<td>The student will visit the website and match the animal to its habitat. <strong>Active Science - GSK</strong> <strong>Quia - Habitat Vocabulary Match-up</strong> (may need to be a group activity with teacher leading in the lab using the AV Projection System)</td>
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<tr>
<td>Math SOL 1.1</td>
<td>Number and Number Sense Count forward by ones, fives, and tens to 100, by twos to 20. <strong>Harcourt Math</strong> see teacher’s edition for online activities <strong>Intervention, Mega Math, Assessment</strong></td>
<td>The student will visit the website and connect the dots to count by 2’s. <strong>Connect the Dots</strong> Skip-count by fives and find an underwater adventure, then by tens to have a racing adventure. <strong>Connect by 5 and 10</strong></td>
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<td>Reading/English</td>
<td>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</td>
<td>The student will visit the website and complete the activities: Read the story Dog and Cat to recognize single syllable words: <strong>Dog And 1, 1.4Cat</strong> Guess, Guess: <strong>Guess, Guess</strong> &amp; Cookies: <strong>Cookies</strong></td>
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<td>Social Studies SOL 2.11</td>
<td>The student will identify George Washington, Abraham Lincoln, Susan B. Anthony, Helen Keller, Jackie Robinson, and Martin Luther King, Jr. Famous Americans who improved the lives of other Americans.</td>
<td>The student will visit the website and complete the activity: Learn about George Washington Susan B. Anthony Slideshow: Susan B. Anthony Online Crossword Puzzle Abraham Lincoln Timeline Good SmartBoard activities</td>
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<td>Brain Pop, Jr. Resources for Social Studies SOL 2.11, Susan B. Anthony, video and Activities:</td>
<td></td>
<td>Resources for teaching Abraham Lincoln, George Washington, Martin Luther King are also available on Brain Pop, Jr.</td>
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<td>♦ Order of events ♦ Write and illustrate your own story template ♦ Word Wall, Comic, Joke ♦ Background and lesson ideas ♦ Creative Writing Story Starter ♦ Venn Diagram, Compare and Contrast activity ♦ Quiz on Brain Pop Video-Susan B. Anthony</td>
<td>Math SOL 2.22, 2.21 Harcourt Math-see teacher's edition for online activities Intervention, Mega Math, Assessment</td>
<td>The student will visit the website and complete the activities:</td>
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<tr>
<td>Reading/English SOL 2.4</td>
<td>The student will use phonetic strategies when reading and spelling. Use knowledge of consonants, consonant blends, and consonant digraphs to decode and spell words.</td>
<td>The student will visit the website and identify r-controlled vowel patterns: Car Race My Horse Glory Make a Word: Control-OR Picture Hunt Good SmartBoard activities</td>
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<tr>
<td>Social Studies</td>
<td>Map Skills—Develop map skills by Locating the countries of Spain, England and France Locating the regions in the Americas explored by Christopher Columbus, Juan Ponce de Leon and Christopher Newport</td>
<td>Map Game: USA Map Match Game - Geography Games For Kids - By KidsGeo.com Europe Map Match Game - By KidsGeo.com</td>
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<td>Science SOL 3.9, 3.10, SOL 3.3 Matter</td>
<td>The student will investigate and understand human activity on the quality of air, water, and habitat Conservation Read temperature to the nearest degree Investigate the water cycle Identify objects by their physical properties.</td>
<td>The student will visit the website and complete the activity to learn about trash, litter, and beautification of our environment. Waste Not: Solid Waste The student will view the video on the website and identify the water cycle. The Water Cycle States of Matter Learning Activity Characteristics of Materials</td>
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<tr>
<td>Math SOL 3.11, 3.15</td>
<td>Computation and Estimation Recall the multiplication and division facts through the nines tables. Harcourt Math—see teacher’s edition for online activities Intervention, Mega Math, Assessment</td>
<td>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: That’s a Fact AAA Math: Multiplication The student will choose the correct time on a clock. (self-checking) Harcourt Telling Time</td>
</tr>
<tr>
<td>Reading/English SOL 3.6</td>
<td>Read and demonstrate comprehension of nonfiction. Identify author’s purpose.</td>
<td>The student will visit the website and complete the online activity: Author’s Purpose (1): Reading Skills Rocket 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></td>
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<th><strong>Computer Lab Activities</strong></th>
<th><strong>Computer/Technology Standard 3-5.1</strong></th>
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<tr>
<td><strong>January 2013</strong></td>
<td>The student will demonstrate knowledge of the nature and operation of technology systems, follow rules for personal safety when using the Internet.</td>
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<td><strong>Fourth Grade</strong></td>
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| Social Studies | Demonstrate knowledge of the first permanent English settlement in America.  
                | General Assembly (1619)  
                | Virginia Company  
                | House of Burgesses Servant | Jamestown Online Adventure:  
                | History Globe  
                | On the Trail of Captain John Smith:  
                | On the Trail of Captain John Smith: A Jamestown Adventure -- National Geographic Kids  
                | The First English Colonies  
                | Match vocabulary to correct definition, Online and self-checking  
                | Good SmartBoard activities |
| Science         | Investigate & understand how weather conditions and phenomena occur and can be predicted.  
                | Weather phenomena; weather measurements and meteorological tools; weather predictions | The student will visit the web sites and read to gain information about:  
                | Interactive Weather Maker  
                | Predict and Report the Weather  
                | Weather Vocabulary-Matching  
                | The Weather Game |
| Math SOL 4.5    | LCM, GCF, addition and subtraction of fractions:  
                | Determine common multiples and factors, including least common multiple and greatest common factor  
                | Add and subtract fractions having like and unlike denominators | The student will use the Harcourt Math Center to complete these activities:  
                | Fraction Action: Fraction Flare Up  
                | Level G: Add Like Fractions  
                | Level H: Subtract Like Fractions  
                | Level I: Add Unlike Fractions  
                | Level J: Subtract Unlike Fractions |
| Reading/English | The student will explain author’s purpose.  
                | Draw conclusions, using information from texts.  
                | Distinguish between cause and effect. | The student will visit the website and complete the online activities.  
                | Author’s purpose:  
                | Test Tutor  
                | Draw Conclusions:  
                | Reading Skills Rocket  
                | Draw Conclusions:  
                | Test Tutor  
                | Cause and Effect: Test Tutor |

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### Social Studies

**SOL VS.5 abc**

Demonstrate knowledge of the role of Virginia in the American Revolution
Identify the various roles played by Virginians in the Revolutionary War era

- The student will visit the websites and complete the activities:
  - Quia - SOL VS.5a England and the Virginia Colony
  - Jefferson and the Declaration of Independence
  - Virginia and the Revolutionary War
  - Fireworks Frenzy
  - Revolutionary War Game
  - American Revolution—Key Figures

### Science SOL 4.2 Review

Review Electricity (4th grade SOL)

- The student will visit the site and complete the online activities:
  - Electrical Conductors
  - Changing Circuits
  - Magnets
  - Conductors and Insulators

### Math SOL 5.18

Order of Operations
Harcourt Math-see teacher’s edition for online activities
Intervention, Mega Math, Assessment

- The student will use the Harcourt Math Center to complete these activities:
  - Ice Station Exploration: Arctic Algebra
  - Level Q: Order of Operations
  - Level R: Order of Operations-Advanced
  - Level S: Solve Equations Using Mental Math, Add and Subtract

### Reading/English

**SOL 5.4**

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.

- The student will visit the website and complete the activities online.
  - Prefixes and Suffixes: Book Buddy (game)
  - Prefixes, Suffixes, and Roots Test Tutor
  - Reference Choice—What is the best source to use?

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