

5<sup>TH</sup> GRADE SCIENCE SEQUENCE  
HARCOURT 2006-2007

Time Frame	Chapter/Lesson	Activities	Reading Skill	FCAT Vocabulary	SSS Benchmark ANNUALLY ACCESSED IN BOLD
<b>1<sup>ST</sup> NINE WEEKS</b>					
Weeks 1 & 2 10 days	Introductory Chapter: Getting Ready For Science <b>Lesson 1: What Tools Do Scientists Use?</b> <b>Lesson 2: What Inquiry Skills Do Scientists Use?</b> <b>Lesson 3: What Is the Scientific Method?</b>	<b>Measuring Up! p. 1</b> <b>Do They Balance? p. 7</b> <b>Design an Airplane p. 11</b> <b>What Causes Lift? p. 15</b> <b>Build a Rocket! p. 19</b> <b>Make a Helicopter p. 22</b> National Energy Education Development Program (NEED) Exploring Energy-- all activities except p. 20-30. Contact <a href="mailto:cwuest@escambia.k12.fl.us">cwuest@escambia.k12.fl.us</a> for more information.	Main Idea & Details Main Idea & Details Main Idea & Details	experiment investigation scientific method	SC.C.1.2.1 Understands that the motion of an object can be described and measured. <b>SC.H.1.2.1 Knows that it is important to keep accurate records and descriptions to provide information and clues on causes of discrepancies in repeated experiments.</b> SC.H.1.2.2 Knows that a successful method to explore the natural world is to observe and record, and then analyze and communicate the results. (Also assesses H.1.2.4 and H.3.2.2) SC.H.1.2.4 Knows that to compare and contrast observations and results is an essential skill in science. SC.H.1.2.5 Knows that a model of something is different from the real thing, but can be used to learn something about the real thing. SC.H.2.2.1 Knows that natural events are often predictable and logical.
<b>STRAND A: THE NATURE OF MATTER</b>					
Weeks 3 & 4 10 days	Chapter 1: Matter and Its Properties <b>Lesson 1: How Can Physical Properties be Used to Identify Matter?</b> Lesson 2: How Does Matter Change States? <b>Lesson 3: What Are Mixtures and Solutions?</b>	<b>Measuring the Densities of Liquids p. 31</b> <b>Water Wonder p. 35</b> Melt, Boil, Evaporate p. 39 Spaces and Places p. 41 <b>Which Solids Will Dissolve? P. 47</b> <b>Cool or Warm? P. 51</b> Roy Hyatt Environmental Center Microscopes Activity	Main Idea & Details Cause & Effect Main Idea & Details	density gas liquid mass matter mixture solid solution volume	SC.A.1.2.1 <b>Determines that the properties of materials (e.g., density and volume) can be compared and measured (e.g., using rulers, balances, and thermometers).</b> SC.A.1.2.2 Knows that common materials (e.g., water) can be changed from one state to another by heating and cooling. <b>*SC.A.1.2.4 Knows that different materials are made by physically combining substances and that different objects can be made by combining different materials.</b> SC.A.2.2.1 Knows that materials may be made of parts too small to be seen without magnification.
Weeks 5 & 6 10 days	Chapter 2: Changes in Matter Lesson 1: What Is Matter Made Of? Lesson 2: What Are Physical Changes in Matter? Lesson 3: How Does Matter React Chemically?	A Solution to the Problem? p. 63 Diving Bell p. 65 Drop by Drop p. 73 Change It p. 77 Wet Wool p. 81 Bubble, Bubble, Bubble! p. 85	Main Idea & Details Cause & Effect Compare & Contrast	atom change of state chemical change compound element physical change	*SC.A.1.2.5 Knows that materials made by chemically combining two or more substances may have properties that differ from the original materials. SC.A.2.2.1 Knows that materials may be made of parts too small to be seen without magnification.

Some chapters may take a few more or a few less days. There can be flexibility within the nine weeks.

\*not covered in 3<sup>rd</sup> or 4<sup>th</sup> grade book 1