

Science Instructional Guide for Grade 4

1 st Nine Weeks	2 nd Nine Weeks	3 rd Nine Weeks	4 th Nine Weeks
<p>Scott Foresman Introduction to Scientific Thinking #1 pp. xx-xxxii</p> <p>Scott Foresman Unit B Earth Science #2 <u>Chapter 6</u> Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> <i>Omit Lesson 4</i> <i>Omit Guided Inquiry</i></p> <p>#3 <u>Chapter 7</u> Directed Inquiry Lesson 1 Lesson 2 Guided Inquiry Math in Science</p> <p><i>Omit Chapter 8</i></p> <p>#4 <u>Chapter 9</u> Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Guided Inquiry</p> <p>#5 <u>Chapter 10</u> <i>Omit Directed Inquiry</i> Lesson 1 <i>Omit Lesson 2</i> <i>Omit Guided Inquiry</i> Math in Science Full Inquiry</p> <p>Unit C Physical Science #6 <u>Chapter 11</u> Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry Math in Science</p>	<p>Scott Foresman Unit C Physical Science #7 <u>Chapter 12</u> <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Guided Inquiry Math in Science</p> <p>#8 <u>Chapter 13</u> Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Lesson 5 Guided Inquiry</p> <p>#9 <u>Chapter 14</u> Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> Lesson 4 Guided Inquiry</p>	<p>Scott Foresman Unit C Physical Science #10 <u>Chapter 15</u> <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 <i>Omit Lesson 3</i> Guided Inquiry</p> <p><i>Omit Chapter 16</i></p> <p>Scott Foresman Unit D Space and Technology #11 <u>Chapter 17</u> <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Guided Inquiry Math in Science</p> <p>#12 <u>Chapter 18</u> Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Math in Science <i>Omit Guided Inquiry</i> Full Inquiry</p> <p><i>Omit Chapter 19</i></p>	<p>Scott Foresman Unit A Life Science #13 <u>Chapter 1</u> Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> Lesson 4 Lesson 5 <i>Omit Guided Inquiry</i></p> <p>#14 <u>Chapter 2</u> Directed Inquiry Lesson 1 <i>Omit Lesson 2</i> <i>Omit Lesson 3</i> <i>Omit Lesson 4</i> Guided Inquiry Math in Science</p> <p>#15 <u>Chapter 3</u> Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Guided Inquiry Math in Science</p> <p>#16 <u>Chapter 4</u> Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p>#17 <u>Chapter 5</u> Directed Inquiry Lesson 1 Lesson 2 Lesson 3 <i>Omit Lesson 4</i> <i>Omit Guided Inquiry</i> Full Inquiry</p>

FOURTH GRADE #1

Scott Foresman Introduction to Scientific Thinking

BENCHMARKS AND <i>ITEM CLARIFICATION</i>	AA or CS	Test Item Code
The student...		
<p>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. <i>Identifies and explains the reasons for documenting scientific activities.</i></p>	AA	MC
<p>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) <i>Identifies, explains, and describes, or applies the scientific process (i.e., accurately reporting and analyzing data, reaching logical conclusions that reflect the data, repeating investigations for validity, asking new questions, and communicating results).</i></p>	AA	MC, SR, ER
<p>SC.H.1.2.3 knows that to work collaboratively, all team members should be free to reach, explain, and justify their own individual conclusions. (Not assessed)</p>		Not assessed
<p>SC.H.1.2.4 knows that to compare and contrast observations and results is an essential skill in science. (Assessed as H.1.2.2)</p>	AA	MC, SR, ER
<p>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. <i>Identifies and analyzes models that are used to interpret real-world situations.</i></p>	CS	MC
<p>SC.H.2.2.1 knows that natural events are often predictable and logical. <i>Uses information about nature to forecast events and reach conclusions.</i></p>	CS	MC
<p>SC.H. 3.2.1 understands that people, alone or in groups, invent new tools to solve problems and do work that affects aspects of life outside of science. (Also assesses H.3.2.3) <i>Identifies ways in which people impact others, including inventions and discoveries.</i></p>	AA	MC, SR
<p>SC.H.3.2.2 knows that data are collected and interpreted in order to explain an event or concept. (Assessed as H.1.2.2)</p>	AA	MC, SR, ER
<p>S.C.H.3.2.3 knows that before a group of people build something or try something new, they should determine how it may affect other people. (Assessed as H.3.2.1)</p>	AA	MC, SR
<p>SC.H.3.2.4 knows that through the use of science processes and knowledge, people can solve problems, make decisions, and form new ideas.</p>	AA	MC, SR

Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks
Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	<p>The following pages are a good introduction to Strand H:</p> <ul style="list-style-type: none"> • How to Read Science pp. xx-xxi • Science Process Skills pp. xxii-xxv • Using Scientific Methods for Science Inquiry pp. xxvi-xxvii • Science Tools pp. xxviii-xxx • Safety in Science pp. xxxii
Vocabulary Bold = FCAT Underscore = Marzano	experiment, <u>hypothesis</u> , investigation, <u>microscope (microscopic)</u> , <u>scientific method</u> , variable

OTHER RESOURCES

CIA www.cs.ocps.net	
AIMS www.aimsedu.org	<i>Popping With Power: Puff Mobiles; Math + Science=A Solution: The Big Banana Peel; Vol. 10, No. 5: Oranges for the Most Part; Hardhatting in a Geo-World: Are You a Square?</i>
Literature	
Other	Science Court: <i>Statistics</i> , Tom Snyder Productions GEMS, <i>Bubble-ology: Comparing Bubble Solutions</i> , www.lhsgems.org

NOTES

Strand H should be integrated throughout the year as students engage in inquiry.

FOURTH GRADE #2			
Earth Science			
Scott Foresman Chapter 6: Water Cycle and Weather			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
SC.D.1.2.2 knows that 75 percent of the surface of the Earth is covered by water. (Assessed as D.1.2.4)		AA	MC, SR, ER
SC.D.1.2.3 knows that the water cycle is influenced by temperature, pressure, and the topography of the land. <i>Identifies the effect of different variables on the water cycle.</i>		CS	MC
Benchmark Codes: AA = Annually Assessed Benchmarks ; CS = Content-Sampled Benchmarks			
Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response			
SCOTT FORESMAN SCIENCE			
Scott Foresman Textbook	Directed Inquiry Lesson 1 Lesson 2	How can you make fresh water from salt water? p. 180 Where is Earth's water? pp. 182-185 How do water and air affect weather? pp. 186-189	SC.D.1.2.2 SC.D.1.2.2 SC.D.1.2.3
Scott Foresman Leveled Readers	<i>Water Cycle and Weather</i> (Below-Level) <i>Water and Weather on Earth</i> (On-Level) <i>Weather and Climates</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1 and 2 in chapter 6); FCAT Science Test Prep pp. 37-42; Assessment Book pp. 35-38; Workbook pp. 56, 57 (Note: Omit all questions relating to lessons 3 and 4.)		
Vocabulary Bold = FCAT Underscore = Marzano	<u>atmosphere</u>, condensation, evaporation, water cycle		
OTHER RESOURCES			
CIA www.cs.ocps.net	<u>Strand D - Oceans</u> : Water, Water, Everywhere; Did You Ever Wonder about Water? <u>Strand D - The Water Cycle</u> : Testing Water and Soil; The Teacher...the Rainmaker; Rainmakers		
AIMS www.aimsedu.org	<i>Water Precious Water</i> : Are You Aware? The Mini Water Cycle; Moving Raindrops in the Water Cycle		
Literature	Newbridge: <i>World of Water</i> ; <i>Our Water Supply</i>		
Other	Science Court: <i>Water Cycle</i> , Tom Snyder Productions Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1: Wet Jeans</i> Delta Science Module, <i>Weather Forecasting: Creating a Cloud</i>		
NOTES			

FOURTH GRADE #3**Earth Science****Scott Foresman Chapter 7: Hurricanes and Tornadoes****BENCHMARKS AND ITEM CLARIFICATION**

AA or CS

Test Item Code

The student...

SC.D.1.2.4 knows that the surface of the Earth is in a continuous state of change as waves, weather, and shifts of the land constantly change and produce many new features. (Also assesses D.1.2.1, D.1.2.2, and D.1.2.5)

AA

MC, SR, ER

Identifies the factors that alter the surface of Earth over short and long periods of time.

Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks

Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response

SCOTT FORESMAN SCIENCE**Scott Foresman
Textbook****Directed Inquiry****Lesson 1****Lesson 2****Guided Inquiry****Math in Science****How can you make a model of a hurricane? p. 212****What are hurricanes? pp. 214-221****What are tornadoes? pp. 222-225****Where is the hurricane going? pp. 226-227****Ranking Hurricanes pp. 228-229**

SC.D.1.2.4

SC.D.1.2.4

SC.D.1.2.4

SC.D.1.2.4

SC.D.1.2.4

**Scott Foresman
Leveled Readers***Hurricanes and Tornadoes* (Below-Level)*Severe Storms* (On-Level)*Hurricanes* (Advanced)**Scott Foresman
Assessment**

Chapter Review; ExamView Test (build your own test for lessons 1 and 2 in chapter 7); FCAT Science Test Prep pp. 43-48; Assessment Book pp. 39-42; Workbook pp. 66-67

Vocabulary**Bold = FCAT****Underscore = Marzano****OTHER RESOURCES****CIA**www.cs.ocps.net**AIMS**www.aimsedu.org*Weather Sense: Temperature, Air Pressure, and Wind: Just a Gust***Literature****Other**Florida Hurricane Website: <http://flhurricane.com/news.php>Free Hurricane Lesson Plans: <http://www.wesh.com/news/5027103/detail.html>**NOTES**

FOURTH GRADE #4

Earth Science

Scott Foresman Chapter 9: Changes to Earth's Surface

BENCHMARKS AND ITEM CLARIFICATION		AA OR CS	TEST ITEM CODE
The student...			
<p>SC.D.1.2.4 knows that the surface of the Earth is in a continuous state of change as waves, weather, and shifts of the land constantly change and produce many new features. (Also assesses D.1.2.1, D.1.2.2, and D.1.2.5)</p> <p><i>Identifies the factors that alter the surface of Earth over short and long periods of time.</i></p>		AA	MC, SR, ER
<p>SC.D.1.2.5 knows that some changes in the Earth's surface are due to slow processes and some changes are due to rapid processes. (Assessed as D.1.2.4)</p>		AA	MC, SR, ER
<p>Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response</p>			
SCOTT FORESMAN SCIENCE			
Scott Foresman Textbook	<p>Directed Inquiry Lesson 1</p> <p>Lesson 2</p> <p>Lesson 3</p> <p>Guided Inquiry</p>	<p>How can you observe a mineral wear away? pp. 260</p> <p>How does the Earth's surface wear away? pp. 262-265</p> <p>How do weathered materials move? pp. 266-269</p> <p>How can Earth's surface change rapidly? pp. 270-273</p> <p>How does distance change earthquake effects? pp. 274-275</p>	<p>SC.D.1.2.4</p> <p>SC.D.1.2.4</p> <p>SC.D.1.2.5</p> <p>SC.D.1.2.4</p> <p>SC.D.1.2.4</p> <p>SC.D.1.2.5</p> <p>SC.D.1.2.5</p>
Scott Foresman Leveled Readers	<p><i>Changes to Earth's Surface</i> (Below-Level)</p> <p><i>The Changing Surface of the Earth</i> (On-Level)</p> <p><i>Ice!</i> (Advanced)</p>		
Scott Foresman Assessment	<p>Chapter Review; ExamView Test (build your own test for lessons 1-3 in chapter 9); FCAT Science Test Prep pp. 55-60; Assessment Book pp. 47-50; Workbook pp. 84-86</p>		
Vocabulary Bold = FCAT Underscore = Marzano	<p><u>deposition</u>, <u>earthquake</u>, <u>erosion</u>, <u>volcano</u>, <u>weathering</u></p>		
OTHER RESOURCES			
CIA www.cs.ocps.net	<p><u>Strand D - Weathering Earth</u>: Wild Water; Edible Earth Layers; Ice Flows; Super Seeds</p>		
AIMS www.aimsedu.org	<p><i>Primarily Earth</i>: Agent Erosion; Quaking Earth</p>		
Literature	<p><i>Erosion: The Weather Report Series</i>, Castleman; <i>Grand Canyon: A Trail Through Time</i>, Vieira</p>		
Other	<p>Ansberry and Morgan, <i>Picture-Perfect Science Lessons</i>: Grand Canyon</p>		
NOTES			

FOURTH GRADE: #5**Earth Science****Scott Foresman Chapter 10: Using Natural Resources****BENCHMARKS AND ITEM CLARIFICATION****AA or CS****Test Item Code****The student...**

SC.D.1.2.1 knows that larger rocks can be broken down into smaller rocks, which in turn can be broken down to combine with organic material to form soil. (Assessed as D.1.2.4)

AA

MC, SR, ER

SC.D.1.2.4 knows that the surface of the Earth is in a continuous state of change as waves, weather, and shifts of the land constantly change and produce many new features. (Also assesses D.1.2.1, D.1.2.2, and D.1.2.5)

AA

MC, SR, ER

Identifies the factors that alter the surface of Earth over short and long periods of time.

SC.D.2.2.1 knows that using, recycling, and reducing the use of natural resources improve and protect the quality of life.

CS

MC

Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks

Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response

SCOTT FORESMAN SCIENCE**Scott Foresman
Textbook****Lesson 1****What are natural resources? pp. 286-291****SC.D.1.2.1**

Math in Science

Water Use pp. 300-301

SC.D.2.2.1

Full Inquiry**What affects how rain erodes the soil? pp. 308-311****SC.D.1.2.4****Scott Foresman
Leveled Readers***Using Natural Resources* (Below-Level)*Resources* (On-Level)*Wind Power* (Advanced)**Scott Foresman
Assessment**

Chapter Review; ExamView Test (build your own test for lesson 1 in chapter 10); FCAT Science Test Prep pp. 61-66; Assessment Book pp. 51-54; Workbook p. 94

(Note: Omit all questions relating to lesson 2.)

Vocabulary**Bold = FCAT****Underscore = Marzano****resource, Sun****OTHER RESOURCES****CIA**www.cs.ocps.netStrand D: The Water Cycle: Save Me! Save Me!; Wise Use of Water**AIMS**www.aimsedu.org*Overhead and Underfoot*: Don't Mix Me Up**Literature****Other**Science Court: *Soil*, Tom Snyder Productions**NOTES**

FOURTH GRADE #6

Physical Science

Scott Foresman Chapter 11: Properties of Matter

BENCHMARKS AND ITEM CLARIFICATION	AA or CS	Test Item Code
The student...		
<p>SC.A.1.2.1 determines that the properties of materials (e.g., density and volume) can be compared and measured (e.g., using rulers, balances, and thermometers). <i>Identifies properties and uses appropriate tools to determine the properties of materials.</i></p>	AA	MC
<p>SC.A.1.2.2 knows that common materials (e.g., water) can be changed from one state to another by heating and cooling. <i>Identifies how a change in temperature can alter a material's state of matter.</i></p>	CS	MC
<p>SC.A.1.2.3 knows that the weight of an object always equals the sum of its parts. <i>Combines the weight or mass of components to get the total weight/mass of the combined object.</i></p>	CS	MC
<p>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. <i>Identifies different materials made by physically combining substances and/or identifies similarities and differences between mixtures and solutions.</i></p>	AA	MC
<p>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. <i>Identifies a change in properties as a result of a chemical change.</i></p>	CS	MC
<p>SC.A.2.2.1 knows that materials may be made of parts too small to be seen without magnification. <i>Identifies organisms or objects that are too small to be seen without a microscope.</i></p>	CS	MC

Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks
Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	Directed Inquiry	What properties cause liquids to form layers? p. 316	SC.A.1.2.1
	Lesson 1	What is matter? pp. 319-321	SC.A.2.2.1
	Lesson 2	How is matter measured? pp. 322-327	SC.A.1.2.1
			SC.A.1.2.3
	Lesson 3	How do substances mix? pp. 328-331	SC.A.1.2.4
	Lesson 4	How does matter change? pp. 332-337	SC.A.1.2.2
			SC.A.1.2.4
	Guided Inquiry	How can you change the properties of glue? pp. 338-339	SC.A.1.2.5
	Math in Science	Comparing Densities pp. 340-341	SC.A.1.2.1

Scott Foresman Leveled Readers	<i>Properties of Matter</i> (Below-Level) <i>Matter's Properties</i> (On-Level) <i>Lighter Than Air</i> (Advanced)
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Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 11); FCAT Science Test Prep pp. 73-78; Assessment Book pp. 69-72; Workbook pp. 102-105
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Vocabulary Bold = FCAT Underscore = Marzano	<u>chemical change</u> , <u>density</u> , gas, liquid, mass, matter, mixture, <u>physical change</u> , solid, volume
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OTHER RESOURCES

CIA www.cs.ocps.net	<u>Strand A - Properties of Matter</u> : Does It Add Up? <u>Strand A - Physical and Chemical Changes</u> : It's in the Bag; Powder Puzzle; Name that Change!
AIMS www.aimsedu.org	<i>Off the Wall Science</i> : Food Coloring in Oil and Water; The Egg in Water; <i>Vol. 4, No. 8</i> : Bears Afloat; <i>Chemistry Matters</i> : Flipping Over Ice Cream
Literature	<i>Pancakes, Pancakes</i> , Carle
Other	Carolina Biological Program, <i>Science, Technology and Children</i> : Chemical Tests Kit GEMS: <i>Chemical Reactions</i> , www.lhsgems.org Ansberry and Morgan, <i>Picture-Perfect Science Lessons</i> : Chemical Change Cafe

NOTES

FOURTH GRADE #7

Physical Science

Scott Foresman Chapter 12: Heat

BENCHMARKS AND <i>ITEM CLARIFICATION</i>	AA or CS	Test Item Code
The student...		
SC.A.1.2.2 knows that common materials (e.g., water) can be changed from one state to another by heating and cooling. <i>Combines the weight or mass of components to get the total weight/mass of the combined object.</i>	CS	MC
SC.B.1.2.2 recognizes various forms of energy (e.g., heat, light, and electricity). (Also assesses B.1.2.3, B.1.2.4, B.1.2.5, and B.1.2.6) <i>Identifies types of energy by their source and properties.</i>	AA	MC
SC.B.1.2.3 knows that most things that emit light also emit heat. (Assessed as B.1.2.2)	AA	MC
SC.B.1.2.4 knows the many ways in which energy can be transformed from one type to another. (Assessed as B.1.2.2)	AA	MC
SC.B.1.2.5 knows that various forms of energy (e.g., mechanical, chemical, electrical, magnetic, nuclear, and radiant) can be measured in ways that make it possible to determine the amount of energy that is transformed. (Assessed as B.1.2.2)	AA	MC
SC.B.1.2.6 knows ways that heat can move from one object to another. (Assessed as B.1.2.2)	AA	MC
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response		

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	Lesson 1	Why does matter have energy? pp. 351-353	SC.A.1.2.2 SC.B.1.2.5
	Lesson 2	How does heat move? pp. 354-359	SC.B.1.2.3 SC.B.1.2.4 SC.B.1.2.6
	Guided Inquiry	How are thermal energy and temperature different? pp. 360-361	SC.B.1.2.2 SC.B.1.2.5
	Math in Science	Using Temperature Scales pp. 362-363	SC.B.1.2.5
Scott Foresman Leveled Readers	<i>Heat</i> (Below-Level) <i>Energy from Heat</i> (On-Level) <i>How Hot?</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1 and 2 in chapter 12); FCAT Science Test Prep pp. 79-84; Assessment Book pp. 73-76; Workbook pp. 112-113		
Vocabulary Bold = FCAT Underscore = Marzano	heat		

OTHER RESOURCES

CIA www.cs.ocps.net	<u>Strand B - Energy</u> : The Heat Is On; What Makes the Best Insulator? Get a Rise out of Heat; A Current Affair; Hot Rods
AIMS www.aimsedu.org	<i>Popping with Power</i> : Cool Conductors; Polar Brrrrs
Literature	
Other	Science Court: <i>Particles in Motion</i> , Tom Snyder Productions Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 2: What's in the Bubbles?</i>

NOTES

FOURTH GRADE #8			
Physical Science			
Scott Foresman Chapter 13: Electricity and Magnetism			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
SC.B.1.2.2 recognizes various forms of energy (e.g., heat, light, and electricity). (Also assesses B.1.2.3, B.1.2.4, B.1.2.5, and B.1.2.6) <i>Identifies types of energy by their source and properties.</i>		AA	MC
SC.B.1.2.4 knows the many ways in which energy can be transformed from one type to another. (Assessed as B.1.2.2)		AA	MC
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response			
SCOTT FORESMAN SCIENCE			
Scott Foresman Textbook	Directed Inquiry	How can static electricity affect objects? pp. 372	SC.B.1.2.2
	Lesson 1	How does matter become charged? pp. 375-377	SC.B.1.2.2
			SC.B.1.2.4
	Lesson 2	How do electric charges flow? pp. 378-379	SC.B.1.2.4
	Lesson 3	What are magnetic fields? pp. 382-385	SC.B.1.2.4
	Lesson 4	How is electricity transformed to magnetism? pp. 386-389	SC.B.1.2.4
	Lesson 5	How is magnetism transformed to electricity? pp. 390-393	SC.B.1.2.2
			SC.B.1.2.4
	Guided Inquiry	What is an electromagnet? pp. 394-395	SC.B.1.2.2
Scott Foresman Leveled Readers	<i>Electricity and Magnetism</i> (Below-Level) <i>Electric and Magnetic Power</i> (On-Level) <i>Poles Apart</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-5 in chapter 13); FCAT Science Test Prep pp. 85-90; Assessment Book pp. 77-80; Workbook pp. 120-124		
Vocabulary Bold = FCAT Underscore = Marzano	<u>magnetic</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	Strand B - Electricity and Magnetism: Don't Rub Me the Wrong Way; I Finally See the Light; Let It Flow, Let It Flow, Let It Flow; Insulator or Conductor? What's My Line?		
AIMS www.aimsedu.org	Vol. 15, No.10: Electromagnetic Explorations; <i>Popping With Power</i> : Metal Detector; Vol. 13, No. 6: Double-and-Triple Decker Magnet Sandwiches; <i>Electrical Connections</i> : The Electromagnet Connection; Vol. 9, No. 4: Bridging the Gap		
Literature			
Other	Carolina Biological Program, <i>Science, Technology and Children</i> : Electric Circuits Science Court: <i>Electric Circuits</i> , Tom Snyder Productions		
NOTES			

Students are not required to understand series and parallel circuits (Lesson 2 pages 380-381).

FOURTH GRADE #9

Physical Science

Scott Foresman Chapter 14: Sound and Light

BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
SC.B.1.2.2 recognizes various forms of energy (e.g., heat, light, and electricity). (Also assesses B.1.2.3, B.1.2.4, B.1.2.5, and B.1.2.6) <i>Identifies types of energy by their source and properties.</i>		AA	MC
SC.C.1.2.2 knows that waves travel at different speeds through different materials. <i>Identifies ways in which simple machines use forces other than human input to operate.</i>		CS	MC
Benchmark Codes: AA = Annually Assessed Benchmarks ; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice ; SR = Short Response ; ER = Extended Response			
SCOTT FORESMAN SCIENCE			
Scott Foresman Textbook	Directed Inquiry	What makes sound change? p. 404	SC.B.1.2.2
	Lesson 1	What is sound energy? pp. 407-411	SC.B.1.2.2 SC.C.1.2.2
	Lesson 2	How is sound made? pp. 412-415	SC.B.1.2.2
	Lesson 4	How do light and matter interact? pp. 420-425	SC.B.1.2.2 SC.C.1.2.2
	Guided Inquiry	How is light reflected? pp. 426-427	SC.B.1.2.2
Scott Foresman Leveled Readers	<i>Sound and Light</i> (Below-Level) <i>Light and Sound Waves</i> (On-Level) <i>Movie Science</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1, 2 and 4 in chapter 14); FCAT Science Test Prep pp. 91-96; Assessment Book pp. 81-84; Workbook pp. 132, 133, 135 (Note: Omit all questions relating to lesson 3.)		
Vocabulary Bold = FCAT Underscore = Marzano	<u>reflection</u>, <u>refraction</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	Strand B - Energy: Spotlight on Light; Bouncing Beams; Light Benders		
AIMS www.aimsedu.org	<i>Primarily Physics:</i> Sound Is Vibration; <i>Pieces and Patterns:</i> Mirrors That Multiple		
Literature	<i>Sound (Energy Works! Series)</i> , Karpenlenia; <i>The Remarkable Farkle McBride</i> , Lithgow		
Other	Science Court: <i>Sound</i> , Tom Snyder Productions Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1: Can It Reflect Light?</i> Ansberry and Morgan, <i>Picture-Perfect Science Lessons: Sounds of Silence</i>		
NOTES			

FOURTH GRADE #10

Physical Science

Scott Foresman Chapter 15: Objects in Motion

BENCHMARKS AND <i>ITEM CLARIFICATION</i>		AA or CS	Test Item Code
The student...			
SC.C.1.2.1 understands that the motion of an object can be described and measured. <i>Identifies and quantifies the movement of an object and makes predictions based on its movements.</i>		CS	MC
SC.C.2.2.2 knows that an object may move in a straight line at a constant speed, speed up, slow down, or change direction dependent on net force acting on the object. (Assessed as C.2.2.4)		AA	MC, SR,ER
SC.C.2.2.3 knows that the more massive an object is, the less effect a given force has. (Assessed as C.2.2.4)		AA	MC, SR, ER
SC.C.2.2.4 knows that the motion of an object is determined by the overall effect of all of the forces acting on the object. (Also assesses C.2.2.2 and C.2.2.3) <i>Identifies the net force acting on an object and describes the motion of that object.</i>		AA	MC, SR, ER
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response			
SCOTT FORESMAN SCIENCE			
Scott Foresman Textbook	Lesson 1 What is motion? pp. 439-441 Lesson 2 How does force affect moving objects? pp. 442-445 Guided Inquiry How does friction affect motion? pp. 450-451		SC.C.1.2.1 SC.C.2.2.2 SC.C.2.2.3 SC.C.2.2.4 SC.C.2.2.2
Scott Foresman Leveled Readers	<i>Objects in Motion</i> (Below-Level) <i>Motion</i> (On-Level) <i>Newton and Gravity</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1 and 2 in chapter 15); FCAT Science Test Prep pp. 97-102; Assessment Book pp. 85-88; Workbook pp. 142-143 (Note: Omit all questions relating to lesson 3.)		
Vocabulary Bold = FCAT Underscore = Marzano	force, friction		
OTHER RESOURCES			
CIA www.cs.ocps.net	Strand C - Force and Motion: Penny Push; Ramps and Sliders; More Bouncing Balls		
AIMS www.aimsedu.org	<i>Popping With Power</i> : Fulcrums on the Move; Ball on a Roll		
Literature	<i>Sheep in a Jeep</i> , Shaw		
Other	Ansberry and Morgan, <i>Picture-Perfect Science Lessons</i> : Sheep in a Jeep		
NOTES			

FOURTH GRADE #11

Space and Technology

Scott Foresman Chapter 17: Earth's Cycles

BENCHMARKS AND ITEM CLARIFICATION	AA or CS	Test Item Code
The student...		
<p>SC.E.1.2.1 knows that the tilt of the Earth on its own axis as it rotates and revolves around the sun causes changes in season, length of day, and energy available. <i>Identifies and describes how the position of Earth in relation to the Sun impacts Earth and knows the effects of energy available to organisms.</i></p>	AA	MC, SR
<p>SC.E.1.2.2 knows that the combination of the Earth's movement and the moon's own orbit around the Earth results in the appearance of cyclical phases of the moon. <i>Identifies factors that change the amount of sunlight reflected from the moon to the Earth.</i></p>	CS	MC
<p>SC.E.2.2.1 knows that, in addition to the sun, there are many other stars that are far away. <i>Identifies the sun as a medium-sized star in a galaxy containing billions of stars.</i></p>	CS	MC
<p>Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response</p>		

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	<p>Lesson 1 How does Earth move? pp. 495-499</p> <p>Lesson 2 What patterns can you see in the sky? pp. 500-505</p> <p>Guided Inquiry How can you make a star finder? pp. 506-507</p> <p>Math in Science Comparing Hours of Daylight pp. 508-509</p>	<p>SC.E.1.2.1</p> <p>SC.E.1.2.2</p> <p>SC.E.2.2.1</p> <p>SC.E.2.2.1</p> <p>SC.E.1.2.1</p>
Scott Foresman Leveled Readers	<p><i>Earth's Cycles</i> (Below-Level)</p> <p><i>Earth in Motion</i> (On-Level)</p> <p><i>Eclipse</i> (Advanced)</p>	
Scott Foresman Assessment	<p>Chapter Review; ExamView Test (build your own test for lessons 1 and 2 in chapter 17); FCAT Science Test Prep pp. 115-120; Assessment Book pp. 107-110; Workbook pp. 160-161</p>	
Vocabulary Bold = FCAT Underscore = Marzano	<p>axis, <u>constellation</u>, equator, moon phases, <u>rotation</u>, <u>revolution</u>, star</p>	

OTHER RESOURCES

CIA www.cs.ocps.net	<p>Strand E - The Solar System: Reasons for the Seasons; A Lunar Lap; Sun Shadow Tracers; Star Gazing</p>
AIMS www.aimsedu.org	<p><i>Out of This World</i>: Lunar Looking, Dizzy Spells; <i>Summer Institute Curriculum</i>: Physical Features of the Earth and Moon</p>
Literature	<p><i>Somewhere in the World Right Now</i>, Schuett</p> <p>Newbridge: <i>Earth in Space</i>; <i>Watching the Night Sky</i></p>
Other	<p>Science Court: <i>Seasons</i>, Tom Snyder Productions</p> <p>Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1: Going Through a Phase</i></p> <p>Ansberry and Morgan, <i>Picture-Perfect Science Lessons: Day and Night</i></p>

NOTES

FOURTH GRADE #12

Space and Technology

Scott Foresman Chapter 18: Inner and Outer Planets

BENCHMARKS AND ITEM CLARIFICATION			AA or CS	Test Item Code
The student...				
SC.E.1.2.4 knows that the planets differ in size, characteristics, and composition and that they orbit the sun in our Solar System. <i>Compares and contrasts properties of the planets in our solar system (Also assesses E.1.2.5)</i>			CS	MC
SC.E.1.2.5 understands the arrangement of planets in our Solar System.(Assessed as E.1.2.4)			CS	MC
SC.E.2.2.1 knows that, in addition to the sun, there are many other stars that are far away. <i>Identifies the sun as a medium-sized star in a galaxy containing billions of stars.</i>			CS	MC
SC.C.2.2.3 knows that the more massive an object is, the less effect a given force has.			AA	MC, SR, ER
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response				
SCOTT FORESMAN SCIENCE				
Scott Foresman Textbook	Directed Inquiry	How can you compare the sizes of the planets? p. 516		SC.E.1.2.4
	Lesson 1	What makes up the universe? pp. 519-521		SC.E.1.2.5
	Lesson 2	What are the inner planets? pp. 522-527		SC.E.2.2.1
	Lesson 3	What do we know about Jupiter, Saturn, and Uranus? pp. 528-533		SC.E.1.2.4
	Lesson 4	What do we know about Neptune, Pluto, and beyond? pp. 534-537		SC.E.1.2.5
	Math in Science	Using Data about Planets pp. 540-541		SC.E.1.2.4
	Full Inquiry	How does payload affect the distance a model rocket can travel? pp. 572-575		SC.C.2.2.3
Scott Foresman Leveled Readers	<i>Inner and Outer Planets (Below-Level)</i> <i>Planets (On-Level)</i> <i>The Red Planet (Advanced)</i>			
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 18); FCAT Science Test Prep pp. 121-126; Assessment Book pp. 111-114; Workbook pp. 168-171			
Vocabulary Bold = FCAT Underscore = Marzano	<u>galaxy</u>, solar system, <u>universe</u>			
OTHER RESOURCES				
CIA www.cs.ocps.net	<u>Strand E - The Solar System</u> : Solar Stretch; How Do I Look? What a Pull!			
AIMS www.aimsedu.org	<i>Out of This World</i> : Lining Up the Planets; Can You Planet? Spacing Out the System			
Literature	Newbridge: <i>Mars</i>			
Other				
NOTES				

FOURTH GRADE: #13

Life Science

Scott Foresman Chapter 1: Classifying Plants and Animals

BENCHMARK AND ITEM CLARIFICATION	AA or CS	Test Item Code
The student...		
SC.F.1.2.3 knows that living things are different but share similar structures. <i>Compares and contrasts components of organisms.</i>	AA	MC, SR
SC.F.1.2.4 knows that similar cells form different kinds of structures.	CS	MC
SC.F.2.2.1 knows that many characteristics of an organism are inherited from the parents of the organism, but that other characteristics are learned from an individual's interactions with the environment.	CS	MC
SC.G.1.2.2 knows that living things compete in a climatic region with other living things and that structural adaptations make them fit for an environment. <i>Identifies, explains, analyzes, and interprets the causes and benefits of adaptations in an organism.</i>	AA	MC, SR
SC.G.2.2.1 knows that all living things must compete for Earth's limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations (traits) to their offspring. <i>Identifies characteristics of an organism that increase its probability of reproducing.</i>	AA	MC, SR
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response		

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	Directed Inquiry Lesson 1 What are living things made of? p. 4 Lesson 2 What are building blocks of life? pp. 6-9 Lesson 4 How are living things grouped? pp. 10-13 How are animals classified? pp. 18-25 Lesson 5 How do animals adapt? pp. 26-33	SC.F.1.2.3 SC.F.1.2.4 SC.F.1.2.3 SC.F.1.2.3 SC.G.2.2.1 SC.F.2.2.1 SC.G.1.2.2 SC.G.2.2.1
Scott Foresman Leveled Readers	<i>Classifying Plants and Animals</i> (Below-Level) <i>Plant and Animal Classification</i> (On-Level) <i>Reptile or Amphibian?</i> (Advanced)	
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1, 2, 4 and 5 in chapter 1); FCAT Science Test Prep pp. 1-6; Assessment Book pp. 1-4; Workbook pp. 4, 5, 7, 8 (Note: Omit all questions relating to lesson 3.)	
Vocabulary Bold = FCAT Underscore = Marzano	<u>microscopic</u> , <u>organism</u> , <u>protist</u>	

OTHER RESOURCES

CIA www.cs.ocps.net	Strands F and G - Life Adaptations: How Many Bears Will This Forest Hold? Adapting to Change; Build a Better Beak	
AIMS www.aimsedu.org	<i>Magnificent Microworlds</i> : Onion Rings; Vol. 17, No. 5: Cell Blocks; <i>Critters</i> : Beetle Mania, Animal Antics	
Literature		
Other	Science Court: <i>Living Things</i> , Tom Snyder Productions Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1</i> : Is It Made of Cells?	

NOTES

FOURTH GRADE #14

Life Science

Scott Foresman Chapter 2: Energy from Plants

BENCHMARKS AND <i>ITEM CLARIFICATION</i>		AA or CS	Test Item Code
The student...			
SC.E.1.2.3 knows that the sun is a star and that its energy can be captured or concentrated to generate heat and light for work on Earth.		CS	MC
SC.F.1.2.3 knows that living things are different but share similar structures. <i>Compares and contrasts components of organisms.</i>		AA	MC, SR
SC.G.1.2.3 knows that green plants use carbon dioxide, water, and sunlight energy to turn minerals and nutrients into food for growth, maintenance, and reproduction. <i>Identifies and describes the process and importance of photosynthesis.</i>		AA	MC, SR
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response			
SCOTT FORESMAN SCIENCE			
Scott Foresman Textbook	Directed Inquiry Lesson 1 Guided Inquiry Math in Science	How can you show that a plant needs light? p. 44 What are plants' characteristics? pp. 46-49 How can you grow a potato without a seed? pp. 66-67 How Plants Respond to Sunlight pp. 68-69	SC.G.1.2.3 SC.E.1.2.3 SC.G.1.2.3 SC.F.1.2.3 SC.G.1.2.3
Scott Foresman Leveled Readers	<i>Energy From Plants</i> (Below-Level) <i>How Plants Grow and Change</i> (On-Level) <i>Weird Plants</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lesson 1 in chapter 2); FCAT Science Test Prep pp. 7-12; Assessment Book pp. 5-8; Workbook p. 16 (Note: Omit all questions relating to lessons 2-4.)		
Vocabulary Bold = FCAT Underscore = Marzano	<u>photosynthesis</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	<u>Strands F and G - Ecosystems</u> : Habitat, Sweet Habitat; Shed Some Light on Photosynthesis; Feasting on Yeast; Food Breakers; Mini Landfills; What's for Dinner? Web of Life		
AIMS www.aimsedu.org	<i>The Budding Botanist</i> : Photosynthesis; Exploring Germination		
Literature	Newbridge: <i>How Plants Survive</i>		
Other	Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 2: Needs of Seeds</i>		
NOTES			

FOURTH GRADE: #15

Life Science

Scott Foresman Chapter 3: Ecosystems

BENCHMARKS AND <i>ITEM CLARIFICATION</i>	AA or CS	Test Item Code
The student...		
SC.B.1.2.1 knows how to trace the flow of energy in a system (e.g. as in an ecosystem). <i>Identifies energy transfer in abiotic systems.</i>	AA	MC, SR
SC.B.2.2.1 knows that some source of energy is needed for organisms to stay alive and grow. <i>Recognizes that all organisms, including plants and animals, need energy to maintain life and to grow.</i>	CS	MC
SC.F.1.2.2 knows how all animals depend on plants. <i>Identifies various ways animals use plants for survival.</i>	CS	MC
SC.G.1.2.1 knows ways that plants, animals, and protists interact. <i>Identifies the roles of different organisms in an ecosystem.</i>	CS	MC
SC.G.1.2.4 knows that some organisms decompose dead plants and animals into simple minerals and nutrients for use by living things and thereby recycle matter. (Assessed as G.1.2.6)	CS	MC
SC.G.1.2.5 knows that animals eat plants or other animals to acquire the energy they need for survival. <i>Identifies the roles of organisms in a food chain.</i>	CS	MC
SC.G.1.2.6 knows that organisms are growing, dying, and decaying and that new organisms are being produced from the materials of dead organisms. (Also assesses G.1.2.4) <i>Identifies the cyclic nature of nutrients.</i>	CS	MC
SC.G.1.2.7 knows that variations in light, water, temperature, and soil content are largely responsible for the existence of different kinds of organisms and population densities in an ecosystem. <i>Identifies factors that benefit or slow down the development of different organisms in an ecosystem.</i>	CS	MC
SC.G.2.2.1 knows that all living things must compete for Earth's limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations (traits) to their offspring. <i>Identifies characteristics of an organism that increase its probability of reproducing.</i>	AA	MC, SR
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response		

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	Directed Inquiry	How can you make a model of an earthworm habitat? P. 74	SC.G.1.2.1
	Lesson 1	What are the parts of ecosystems? pp. 78-83	SC.G.1.2.1 SC.G.1.2.7
	Lesson 2	How does energy flow in ecosystems? pp. 84-89	SC.B.1.2.1 SC.B.2.2.1 SC.F.1.2.2 SC.G.1.2.1 SC.G.1.2.5 SC.G.1.2.6
	Lesson 3	How does matter flow through ecosystems? pp. 90-95	SC.F.1.2.2 SC.G.1.2.1 SC.G.1.2.4 SC.G.1.2.6
	Guided Inquiry	What do decomposers do? pp. 96-97	SC.G.1.2.4
	Math in Science	Graphing Populations pp. 98-99	SC.G.2.2.1
	Scott Foresman Leveled Readers	<i>Ecosystems</i> (Below-Level) <i>Life in an Ecosystem</i> (On-Level) <i>Pond Life</i> (Advanced)	
Scott Foresman	Chapter Review; ExamView Test (build your own test for lessons 1-3 in chapter 3); FCAT Science Test Prep pp. 13-18; Assessment Book pp. 9-12; Workbook pp. 26-28		

Assessment	
Vocabulary Bold = FCAT Underscore = Marzano	carnivore, community, decomposer, ecosystem, herbivore, population
OTHER RESOURCES	
CIA www.cs.ocps.net	Strands F and G - <u>Ecosystems</u> : Habitat, Sweet Habitat; Shed Some Light on Photosynthesis; Feasting on Yeast; Food Breakers; Mini Landfills; What's for Dinner? Web of Life
AIMS www.aimsedu.org	<i>Vol. 19, No. 8</i> : Sea Food; <i>Field Detectives</i> : From Leaf to Soil, Dirt Dwellers
Literature	Newbridge: <i>Web of Life</i>
Other	Science Court: <i>Living Things</i> , Tom Snyder Productions
NOTES	

FOURTH GRADE #16

Life Science

Scott Foresman Chapter 4: Changes in Ecosystems

BENCHMARKS AND <i>ITEM CLARIFICATION</i>	AA or CS	Test Item Code
The student...		
SC.G.1.2.7 knows that variations in light, water, temperature, and soil content are largely responsible for the existence of different kinds of organisms and population densities in an ecosystem. <i>Identifies factors that benefit or slow down the development of different organisms in an ecosystem.</i>	CS	MC
SC.G.2.2.1 knows that all living things must compete for Earth's limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations (traits) to their offspring. <i>Identifies characteristics of an organism that increase its probability of reproducing.</i>	AA	MC, SR
SC.G.2.2.2 knows that the size of a population is dependent upon the available resources within its community. <i>Identifies factors that limit the population of an organism.</i>	CS	MC
SC.G.2.2.3 understands that changes in the habitat of an organism may be beneficial or harmful. <i>Identifies the effects that changes in a habitat have on organisms.</i>	CS	MC
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response		

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry	What is the effect of crowding on plants? p. 108 How are ecosystems balanced? pp. 110-113 How do organisms interact? pp. 114-117 How do environments change? pp. 118-123 How do people disturb the balance? pp. 124-129 How can a change in the environment affect plant growth? pp. 130-131	SC.G.2.2.2 SC.G.2.2.2 SC.G.2.2.1 SC.G.2.2.3 SC.G.1.2.7 SC.G.2.2.1 SC.G.2.2.3 SC.G.2.2.3
Scott Foresman Leveled Readers	<i>Changes in Ecosystems</i> (Below-Level) <i>Ecosystem Changes</i> (On-Level) <i>Parasitic Life</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 4); FCAT Science Test Prep pp. 19-24; Assessment Book pp. 13-16; Workbook pp. 36-39		
Vocabulary Bold = FCAT Underscore = Marzano			

OTHER RESOURCES

CIA www.cs.ocps.net	
AIMS www.aimsedu.org	<i>Vol.18, No.10: Habitat Changes; Field Detectives: Compacted Playgrounds, From Leaf to Soil</i>
Literature	
Other	Science Court: <i>Soil</i> , Tom Snyder Productions

NOTES

FOURTH GRADE #17

Life Science

Scott Foresman Chapter 5: Systems of the Body

BENCHMARKS AND ITEM CLARIFICATION	AA or CS	Test Item Code
The student...		
SC.F.1.2.1 knows that the human body is made of systems with structures and functions that are related. <i>Identifies, describes, and compares the functions of systems (i.e., digestive system, respiratory system, nervous system, muscular system, circulatory system, and/or skeletal system) in the human body.</i>	CS	MC
SC.F.1.2.4 knows that similar cells form different kinds of structures.	CS	MC
SC.G.1.2.7 knows that variations in light, water, temperature, and soil content are largely responsible for the existence of different kinds of organisms and population densities in an ecosystem. <i>Identifies factors that benefit or slow down the development of different organisms in an ecosystem.</i>	CS	MC
Benchmark Codes: AA = Annually Assessed Benchmarks; CS = Content-Sampled Benchmarks Test Item Codes: MC = Multiple Choice; SR = Short Response; ER = Extended Response		

SCOTT FORESMAN SCIENCE

Scott Foresman Textbook	Directed Inquiry Lesson 1	How does shape affect bone strength? p. 140 What are the skeletal and muscular systems? pp. 142-147	SC.F.1.2.1 SC.F.1.2.1
	Lesson 2	What are the respiratory and circulatory systems? pp. 148-151	SC.F.1.2.4 SC.F.1.2.1
	Lesson 3	What are the digestive and nervous systems? pp. 152-155	SC.F.1.2.4 SC.F.1.2.1
	Full Inquiry	Do mealworms prefer damp or dry places? pp. 172-175	SC.G.1.2.7
Scott Foresman Leveled Readers	<i>Systems of the Human Body</i> (Below-Level) <i>The Body's Systems</i> (On-Level) <i>Fighting Infections</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1, 2, and 3 in chapter 5); FCAT Science Test Prep pp. 25-30; Assessment Book pp. 17-20; Workbook pp. 46-48 (Note: Omit all questions relating to lesson 4.)		
Vocabulary Bold = FCAT Underscore = Marzano			

OTHER RESOURCES

CIA www.cs.ocps.net	<u>Strands F and G - The Human Body</u> : Lung Power; The Beat Goes On; Muscle Mates; Discoveries about Digestion; Brain Drain Olympics
AIMS www.aimsedu.org	<i>Vol. 11, No. 10</i> : The Food Tube; <i>From Head to Toe</i> : Dem Bones, Ya Gotta Have Heart, You Take My Breath Away
Literature	
Other	Science Court: <i>Living Things</i> , Tom Snyder Productions

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