

Science Instructional Guide for Grade 5

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 Chapter 7 <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p><i>Omit Chapter 8</i></p> <p>#3 Chapter 9 <i>Omit Directed Inquiry</i> <i>Omit Lesson 1</i> Lesson 2 Lesson 3 Lesson 4 <i>Omit Lesson 5</i> Lesson 6 Guided Inquiry</p> <p>#4 Chapter 10 <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry <i>Omit Full Inquiry</i></p>	<p>Scott Foresman Unit C Physical Science #5 Chapter 11 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry Math in Science</p> <p>#6 Chapter 12 Directed Inquiry Lesson 1 <i>Omit Lesson 2</i> <i>Omit Lesson 3</i> <i>Omit Lesson 4</i> Guided Inquiry</p> <p>#7 Chapter 13 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p>#8 Chapter 14 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> Lesson 4 <i>Omit Guided Inquiry</i></p> <p>#9 Chapter 15 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> <i>Omit Guided Inquiry</i> Full Inquiry</p>	<p>Scott Foresman Unit D Space and Technology #10 Chapter 16 <i>Omit Directed Inquiry</i> <i>Omit Lesson 1</i> Lesson 2 Lesson 3 Guided Inquiry</p> <p>#11 Chapter 17 <i>Omit Directed Inquiry</i> Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p><i>Omit Chapter 18</i></p> <p>FCAT Review of Annually Assessed Benchmarks</p>	<p>Scott Foresman Unit A Life Science #12 Chapter 1 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Guided Inquiry</p> <p>#13 Chapter 2 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> <i>Omit Guided Inquiry</i></p> <p>#14 Chapter 3 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Guided Inquiry</p> <p>#15 Chapter 4 Directed Inquiry Lesson 1 Lesson 2 <i>Omit Lesson 3</i> <i>Omit Lesson 4</i> Guided Inquiry Math in Science</p> <p>#16 Chapter 5 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Lesson 4 Lesson 5 Lesson 6 Guided Inquiry Math in Science</p> <p>#17 Chapter 6 Directed Inquiry Lesson 1 Lesson 2 Lesson 3 Guided Inquiry <i>Omit Full Inquiry</i></p>

FIFTH GRADE: #1

Scott Foresman Introduction to Scientific Thinking

BENCHMARKS AND <i>ITEM CLARIFICATION</i>	AA or CS	Test Item Code
The student...		
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>	AA	MC
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>	AA	MC, SR, ER
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)		Not assessed
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)	AA	MC, SR, ER
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>	CS	MC
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>	CS	MC
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>	AA	MC, SR
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)	AA	MC, SR, ER
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)	AA	MC, SR
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.	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	The following pages are a good introduction to Strand H: <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-xxix • Safety in Science pp. xxxii
Vocabulary Bold = FCAT Underscore = Marzano	experiment, <u>hypothesis</u> , investigation, <u>scientific method</u> , variable, <u>topographical map (topography)</u>

OTHER RESOURCES

CIA www.cs.ocps.net	
AIMS www.aimsedu.org	<i>Off the Wall Science: The Egg in Water, Food Coloring in Oil and Water; Weather Sense and Moisture: Going, Going, Gone; Jaw Breakers and Heart Thumpers: Now That's Using Your Head! By Golly, By Gum</i>
Literature	
Other	Science Court: <i>Statistics</i> , Tom Snyder Productions

NOTES

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

FIFTH GRADE #2		
Earth Science		
Scott Foresman Chapter 7: Water on Earth		
BENCHMARKS AND ITEM CLARIFICATION		AA or CS
The student...		Test Item Code
SC.D.1.2.2 knows that 75 percent of the surface of the Earth is covered by water.		AA
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
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 How can the oceans be described? pp. 199-201 Lesson 2 Where is fresh water found? pp. 202-207 Lesson 3 What is the water cycle? pp. 208-211 Lesson 4 How do clouds form? pp. 212-215 Guided Inquiry What is a cloud? pp. 216-217	SC.D.1.2.2 SC.D.1.2.2 SC.D.1.2.3 SC.D.1.2.3 SC.D.1.2.3
Scott Foresman Leveled Readers	<i>Water on Earth</i> (Below-Level) <i>Earth's Water</i> (On-Level) <i>Underwater Explorers</i> (Advanced)	
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 7); FCAT Science Test Prep pp. 43-48; Assessment Book pp. 39-42	
Vocabulary Bold = FCAT Underscore = Marzano	condensation, evaporation , precipitation	
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> : The Teacher...the Rainmaker; Rainmakers; Save Me! Save Me! Wise Use of Water	
AIMS www.aimsedu.org	<i>Weather Sense and Moisture</i> : A Cloud Is Born, Make Dew; <i>Off the Wall Science</i> : Ice Water in a Tin Can; <i>Finding Your Bearings</i> : Surf 'n' Sand activities	
Literature	Newbridge: <i>Mighty Ocean</i>	
Other	Carolina Biological Program, <i>Science, Technology and Children</i> : Land and Water Kit Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1</i> : Wet Jeans, pp. 155-161	
NOTES		

FIFTH GRADE #3		
Earth Science		
Scott Foresman Chapter 9: Earth's Changing Surface		
BENCHMARKS AND ITEM CLARIFICATION		AA or CS
The student...		Test Item Code
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 SC.D.1.2.4)		AA
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. <i>Identifies the factors that alter the surface of Earth over short and long periods of time.</i>		AA
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 SC.D.1.2.4)		AA
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 2	What causes earthquakes and volcanoes? pp. 266-271
	Lesson 3	What is weathering? pp. 272-275
	Lesson 4	What is erosion? pp. 276-281
	Lesson 6	How are rocks classified? pp. 286-289
	Guided Inquiry	What buildings are less damaged by an earthquake? pp. 290-291
Scott Foresman Leveled Readers	<i>Earth's Changing Surface</i> (Below-Level) <i>Our Changing Earth</i> (On-Level) <i>Mountains of the World</i> (Advanced)	
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 2, 3, 4, and 6 in chapter 9); FCAT Science Test Prep pp. 55-60; Assessment Book pp. 47-50 (Note: Omit all questions relating to lessons 1 and 5.)	
Vocabulary Bold = FCAT Underscore = Marzano	<u>deposition</u> , earthquake , <u>erosion</u> , igneous rock , <u>metamorphic rock</u> , plate, <u>sedimentary rock</u> , volcano, <u>weathering</u>	
OTHER RESOURCES		
CIA www.cs.ocps.net	Strand D - Weathering Earth: Wild Water; A Rocky Start; Ice Flows; Super Seeds	
AIMS www.aimsedu.org	<i>Water Precious Water</i> : Don't Rain Away; <i>Primarily Earth</i> : Shakes and Quakes, Agent Erosion	
Literature	Newbridge: <i>Remarkable Rocks</i>	
Other	<i>Rock Odyssey: A Rocks and Minerals Revue</i> video; order online at www.mii.org/RockOdyssey.html from the Mineral Information Institute. Page Keeley, <i>Uncovering Student Ideas in Science, Vol.1</i> : Beach Sand pp. 163-168, Mountain Age pp. 169-175	
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FIFTH GRADE #4			
Earth Science			
Scott Foresman Chapter 10: Protecting Earth's Resources			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
SC.B.2.2.2 recognizes the costs and risks to society and the environment posed by the use of nonrenewable energy. (Assessed as D.2.2.1)		CS	MC
SC.B.2.2.3 knows that the limited supply of usable energy sources (e.g., fuels such as coal or oil) places great significance on the development of renewable energy sources. (Assessed as D.2.2.1)		CS	MC
SC.D.2.2.1 knows that using, recycling, and reducing the use of natural resources improve and protect the quality of life. (Also assesses B.2.2.2 and B.2.2.3)		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 nonrenewable energy resources? pp. 303-305	SC.B.2.2.2
	Lesson 2	What are other energy resources? pp. 306-313	SC.B.2.2.3
	Lesson 3	What are other resources? pp. 314-317	SC.D.2.2.1
	Lesson 4	Can resources be conserved? pp. 318-321	SC.D.2.2.1
	Guided Inquiry	How can paper be recycled? pp. 322-323	SC.D.2.2.1
	Scott Foresman Leveled Readers	<i>Protecting Earth's Resources</i> (Below-Level) <i>Earth's Natural Resource</i> (On -Level) <i>Green Gardening</i> (Advanced)	
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 10); FCAT Science Test Prep pp. 61-66; Assessment Book pp. 51-54		
Vocabulary Bold = FCAT Underscore = Marzano	conservation, <u>nonrenewable resource</u>, <u>renewable resource</u>, resource , solar energy		
OTHER RESOURCES			
CIA www.cs.ocps.net	Strand B – Energy: Water Turbine; Solar Power; Home Energy Audit		
AIMS www.aimsedu.org	<i>Popping with Power:</i> Windmills; <i>Overhead and Underfoot:</i> Let's Recycle; <i>Cycles of Knowing and Growing:</i> After Lunch		
Literature	Newbridge: <i>Oil: A Natural Resource</i>		
Other	Robert Krampf's <i>Basic Concepts in Science: Processes That Shape the Earth DVD</i> , www.krampf.com .		
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FIFTH GRADE #5			
Physical Science			
Scott Foresman Chapter 11: Matter and Its Properties			
BENCHMARKS AND ITEM CLARIFICATION			
The student...	AA or CS	Test Item Code	
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>	AA	MC	
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>	CS	MC	
SC.A.1.2.3 knows that the weight of an object always equals the sum of its parts.	CS	MC	
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>	AA	MC	
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>	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	What is one way you can determine density? p. 340 What are properties of matter? pp. 343-347	SC.A.1.2.1 SC.A.1.2.1 SC.A.1.2.3
	Lesson 2	How do atoms combine? pp. 348-353	SC.A.2.2.1
	Lesson 3	How do phase changes occur? pp. 354-357	SC.A.1.2.2
	Lesson 4	What are mixtures and solutions? pp. 358-361	SC.A.1.2.4
	Guided Inquiry	What boat design will carry the most cargo? pp. 362-363	SC.A.1.2.1
	Math in Science	Data Point Spreads pp. 364-365	SC.A.1.2.2
Scott Foresman Leveled Readers	<i>Matter and Its Properties</i> (Below-Level) <i>Properties of Matter</i> (On-Level) <i>Pioneers in Physics</i> (Advanced)		
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		
Vocabulary Bold = FCAT Underscore = Marzano	<u>atom</u> , <u>compound</u> , density, gas, <u>element</u> , liquid, matter, mixture, solid, solution		
OTHER RESOURCES			
CIA www.cs.ocps.net	Strand A - Physical and Chemical Changes: It's in the Bag; Color Clues; Powder Puzzle; Name That Change!		
AIMS www.aimsedu.org	<i>Chemistry Matters</i> : Balancing Bottles; <i>Off the Wall Science</i> : Floating and Sinking		
Literature			
Other	Science Court: <i>Particles in Motion</i> , Tom Snyder Productions Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1</i> : Lemonade pp. 55-60, Seedlings in a Jar pp. 67-72		
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FIFTH GRADE: #6			
Physical Science			
Scott Foresman Chapter 12: Changes in Matter			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
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>		CS	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
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	What can happen during a chemical change? pp. 372-373 What are chemical changes? pp. 374-377 How does temperature affect how long a reaction takes? pp. 394-395	SC.A.1.2.5 SC.B.1.2.5 SC.A.1.2.5 SC.A.1.2.5
Scott Foresman Leveled Readers	<i>Changes in Matter</i> (Below-Level) <i>Changing Matter</i> (On-Level) <i>Baking Chemistry</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lesson 1 in chapter 12); FCAT Science Test Prep pp. 79-84; Assessment Book pp. 73-76 (Note: Omit all questions relating to lessons 2-4.)		
Vocabulary Bold = FCAT Underscore = Marzano	<u>chemical change, physical change</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	Strand A - Physical and Chemical Changes: It's in the Bag; Color Clues; Powder Puzzle; Name That Change!		
AIMS www.aimsedu.org	<i>Chemistry Matters</i> : Product Testing, Feel the Heat, Change Matters; <i>Vol. 14, No. 5</i> : Energized		
Literature	Newbridge: <i>Acids and Bases</i>		
Other	Science Court: <i>Particles in Motion</i> , Tom Snyder Productions Science Court: <i>Gravity</i> , Tom Snyder Productions		
NOTES			

FIFTH GRADE #7

Physical Science

Scott Foresman Chapter 13: Forces 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.2.2.1 recognizes that forces of gravity, magnetism, and electricity operate simple machines. <i>Identifies ways in which simple machines use forces other than human input to operate.</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	Directed Inquiry	How can you learn about the motion of a pendulum? p. 404	SC.C.2.2.4
	Lesson 1	How can you describe motion? pp. 406-409	SC.C.1.2.1 SC.C.2.2.2
	Lesson 2	What are forces? pp. 410-417	SC.C.2.2.2 SC.C.2.2.4
	Lesson 3	What are Newton's Laws of Motion? pp. 418-425	SC.C.2.2.3 SC.C.2.2.4
	Lesson 4	What are simple machines? pp. 426-431	SC.C.2.2.1
	Guided Inquiry	How can you describe motion? pp. 432-433	SC.C.1.2.1 SC.C.2.2.4
Scott Foresman Leveled Readers	<i>Forces and Motion</i> (Below-Level) <i>Objects on the Move</i> (On-Level) <i>Building Science</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 13); FCAT Science Test Prep pp. 85-90; Assessment Book pp. 77-80		
Vocabulary Bold = FCAT Underscore = Marzano	force, <u>gravitation</u> , gravity, <u>inertia</u> , magnetism (magnetic)		

OTHER RESOURCES

CIA www.cs.ocps.net	<u>Strand C – Force and Motion</u> : Catch a Wave; Bouncing Balls; More Bouncing Balls; Penny Push; Hide and Seek Energy; Losing Your Marbles; Ramps and Sliders <u>Strand C – Simple Machines</u> : Are You So Inclined? The Clever Lever; Lifting with Levers; Pulley Power; On a Roll		
AIMS www.aimsedu.org	<i>Vol. 11, No. 7</i> : Tug Teams; <i>Popping with Power</i> : Catapults		
Literature	Newbridge: <i>Amusement Park Science</i> ; <i>Forces and Motion</i>		
Other	Science Court: <i>Inertia</i> , Tom Snyder Productions Carolina Biological Program, <i>Science, Technology and Children</i> : Motion and Design Kit		

NOTES

FIFTH GRADE #8

Physical Science

Scott Foresman Chapter 14: Changing Forms of Energy

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).	AA	MC, SR
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
SC.C.1.2.2 knows that waves travel at different speeds through different materials.	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 How can energy change its forms? p. 444 Lesson 1 What is energy? pp. 447-453 Lesson 2 What is sound energy? pp. 454-457 Lesson 4 What is thermal energy? pp. 462-465	SC.B.1.2.4 SC.B.1.2.5 SC.B.1.2.1 SC.B.1.2.2 SC.B.1.2.4 SC.B.1.2.2 SC.C.1.2.2 SC.B.1.2.3 SC.B.1.2.6
Scott Foresman Leveled Readers	<i>Changing Forms of Energy</i> (Below-Level) <i>How Energy Changes</i> (On-Level) <i>Generating Power</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 (Note: Omit all questions relating to lesson 3.)	
Vocabulary Bold = FCAT Underscore = Marzano	change of state, conduction, convection, energy, energy transfer, kinetic energy, phase change, potential energy, radiation	

OTHER RESOURCES

CIA www.cs.ocps.net	<u>Strand B - Energy</u> : Rocket Balloons; The Heat Is On; Hot Rods; What Makes the Best Insulator: Get a Rise out of Heat; A Current Affair <u>Strand B - Energy</u> : Catch a Wave	
AIMS www.aimsedu.org	<i>Vol. 17, No. 8</i> : Solar Mitts	
Literature	Newbridge: <i>Energy on Earth</i>	
Other	Science Court: <i>Sound</i> , Tom Snyder Productions Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1</i> : Apple in the Dark, pp. 31-36; The Mitten Problem, pp. 103-108	

NOTES

FIFTH GRADE #9			
Physical Science			
Scott Foresman Chapter 15: Electricity			
BENCHMARKS AND ITEM CLARIFICATION		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 transfers in biotic or abiotic systems.</i>		AA	MC, SR
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
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 can electricity flow through? pp. 476-477	SC.B.1.2.1
	Lesson 1	What are the effects of moving charges? pp. 479-481	SC.B.1.2.2
	Lesson 2	What are simple circuits? pp. 482-485	SC.B.1.2.1
	Full Inquiry	Can you change the poles of an electromagnet? pp. 500-503	SC.B.1.2.1
Scott Foresman Leveled Readers	<i>Electricity</i> (Below-Level) <i>Electricity and Its Uses</i> (On-Level) <i>The Light Bulb</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 (Note: Omit all questions relating to lesson 3.)		
Vocabulary Bold = FCAT Underscore = Marzano	<u>conductor</u> (<u>conduction</u>), electric circuit, electric current, electromagnet, insulator		
OTHER RESOURCES			
CIA www.cs.ocps.net	<u>Strand B - Electricity and Magnetism</u> : I Finally See the Light; Let It Flow, Let It Flow, Let It Flow; Insulators and Conductors; What's My Line? Galloping Galvanometer		
AIMS www.aimsedu.org	<i>Electrical Connections</i> : Circuit Quiz Boards		
Literature			
Technology	Science Court: <i>Electric Circuits</i> , Tom Snyder Productions		
NOTES			

FIFTH GRADE #10			
Space and Technology			
Scott Foresman Chapter 16: Stars and Galaxies			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
S.C.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. <i>Identifies the ways that solar energy is collected and used on Earth.</i>		CS	MC
S.C.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
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 2	What is a star? pp. 518-521	SC.E.1.2.3
	Lesson 3	How are stars grouped together? pp. 524-529	SC.E.2.2.1
	Guided Inquiry	What does a spiral galaxy look like from different angles? pp. 530-531	SC.E.2.2.1
Scott Foresman Leveled Readers	<i>Stars and Galaxies</i> (Below-Level) <i>Exploring the Universe</i> (On-Level) <i>Telescopes</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 2 and 3 in chapter 16); FCAT Science Test Prep pp. 109-114; Assessment Book pp. 103-106 (Note: Omit all questions relating to lesson 1.)		
Vocabulary Bold = FCAT Underscore = Marzano	<u>constellation, galaxy, universe</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	<u>Strand E – The Solar System</u> : Star Gazing		
AIMS www.aimsedu.org			
Literature			
Other	Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 2: Emmy's Moon and Stars</i> , pp. 177-181		
NOTES			

FIFTH GRADE #11

Space and Technology

Scott Foresman Chapter 17: Earth in Space

BENCHMARKS AND ITEM CLARIFICATION

AA or CS

Test Item Code

The student...

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.
Identifies and describes how the position of Earth in relation to the Sun impacts Earth and knows the effects of energy available to organisms.

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.
Identifies factors that change the amount of sunlight reflected from the moon to the Earth.

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.
Compares and contrasts properties of the planets in our solar system. (Also assesses E.1.2.5)

SC.E.1.2.5 understands the arrangement of planets in our Solar System. (Assessed as E.1.2.4)

AA

CS

CS

CS

MC, SR

MC

MC

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	In what ways does Earth move? pp. 543-547	SC.E.1.2.1
	Lesson 2	What are the parts of the solar system? pp. 548-551	SC.E.1.2.4
	Lesson 3	What are comets and asteroids? pp. 552-555	SC.E.1.2.5
	Lesson 4	What is known about the moon? pp. 556-559	SC.E.1.2.2
	Guided Inquiry	Why do we see the phases of the moon? pp. 562-563	SC.E.1.2.2
Scott Foresman Leveled Readers	<i>Earth in Space</i> (Below-Level)		
	<i>The Earth and Its Neighbors</i> (On-Level)		
	<i>Moon Landings</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 17); FCAT Science Test Prep pp. 115-120; Assessment Book pp. 107-110		
Vocabulary Bold = FCAT Underscore = Marzano	asteroid, axis , comet, moon , moon phase , solar system , rotation, revolution		

OTHER RESOURCES

CIA www.cs.ocps.net	<u>Strand E – The Solar System</u> : Reasons for the Seasons; A Lunar Lap
AIMS www.aimsedu.org	<i>Out of This World</i> : Lining Up the Planets, Facing Up to the Moon, Lunar Looking; <i>Vol. 12, No. 2</i> : Green Sleeves
Literature	Newbridge: <i>Eye on the Universe</i> ; <i>Earth in Space</i>
Other	Science Court: <i>Seasons</i> , Tom Snyder Productions Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1</i> : Going Through a Phase, pp. 183-187

NOTES

FIFTH GRADE #12			
Life Science			
Scott Foresman Chapter 1: Classifying Organisms			
BENCHMARKS 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.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
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 classify seeds? p. 4	SC.F.1.2.3
	Lesson 1	Why do we classify? pp. 6-9	SC.F.1.2.3
	Lesson 2	How do we classify vertebrates? pp. 10-17	SC.F.1.2.3
	Lesson 3	How do we classify invertebrates? pp. 18-21	SC.F.1.2.3
	Lesson 4	How are other organisms classified? pp. 22-25	SC.F.1.2.3
	Guided Inquiry	What are some characteristics of yeast? pp. 26-27	SC.G.1.2.1 SC.F.1.2.3
Scott Foresman Leveled Readers	<i>Classifying Organisms</i> (Below-Level) <i>Grouping Living Things</i> (On-Level) <i>The Cat Family</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-4 in chapter 1); FCAT Science Test Prep pp. 1-6; Assessment Book pp. 1-4		
Vocabulary Bold = FCAT Underscore = Marzano	<u>invertebrate</u> , <u>vertebrate</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net			
AIMS www.aimsedu.org	<i>Magnificent Microworld Adventures: Onion Rings, Making a Hay Infusion</i>		
Literature			
Other	Carolina Biological Program, <i>Science, Technology and Children: Microworlds Kit</i> Page Keeley, <i>Uncovering Student Ideas in Science</i> , Vol. 1: Is It Made of Cells? pp. 131-137		
NOTES			

FIFTH GRADE #13			
Life Science			
Scott Foresman Chapter 2: Cells to Systems			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
SC.F.1.2.4 knows that similar cells form different kinds of structures.		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	What do yeast cells need to grow? p. 36 What is inside a cell? pp. 39-41 How do cells work together? pp. 42-45	SC.F.1.2.4 SC.F.1.2.4 SC.F.1.2.4
Scott Foresman Leveled Readers	<i>Cells to Systems</i> (Below-Level) <i>The Human Body: Cells to Systems</i> (On-Level) <i>Inside Sea Creatures</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1 and 2 in chapter 2); FCAT Science Test Prep pp. 7-12; Assessment Book pp. 5-8 (Note: Omit all questions relating to lesson 3.)		
Vocabulary Bold = FCAT Underscore = Marzano	organ, <u>tissue</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	Strands F and G - The Human Body: Messing Around with Microscopes		
AIMS www.aimsedu.org	Vol. 17, No. 5: Cell Blocks; <i>Budding Botanist</i> : Model of a Cell		
Literature	Newbridge: <i>Cells to Systems</i>		
Other	Carolina Biological Program, <i>Science, Technology and Children</i> : Microworlds Kit		
NOTES			

FIFTH GRADE #14			
Life Science			
Scott Foresman Chapter 3: Human Body Systems			
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
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 observe your pulse? p. 60 Lesson 1 What is the circulatory system? pp. 62-69 Lesson 2 What is the respiratory system? pp. 70-73 Lesson 3 What are the digestive and urinary systems? pp. 74-79 Guided Inquiry What is your lung capacity? pp. 80-81		SC.F.1.2.1 SC.F.1.2.1 SC.F.1.2.1 SC.F.1.2.1 SC.F.1.2.1
Scott Foresman Leveled Readers	<i>Human Body Systems</i> (Below-Level) <i>Systems of the Human Body</i> (On-Level) <i>Staying Healthy</i> (Advanced)		
Scott Foresman Assessment	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		
Vocabulary Bold = FCAT Underscore = Marzano	<u>systems</u>		
OTHER RESOURCES			
CIA www.cs.ocps.net	<u>Strands F and G - The Human Body</u> : Lung Power; The Beat Goes On; The Body's Filtering System; Discoveries about Digestion		
AIMS www.aimsedu.org	<i>From Head to Toe</i> : How Does Your Heart Rate? The Pressure's On; Step in Time; You Take My Breath Away		
Literature			
Other	Carolina Biological Program, <i>Science, Technology and Children</i> : Microworlds Kit Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 1</i> : Human Body Basics, pp. 139-146		
NOTES			

FIFTH GRADE #15			
Life Science			
Scott Foresman Chapter 4: Plants			
BENCHMARKS AND ITEM CLARIFICATION		AA or CS	Test Item Code
The student...			
SC.F.1.2.4 knows that similar cells form different kinds of structures.		CS	MC
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	What color can come from leaves? p. 92 How do leaves help a plant? pp. 94-97	SC.G.1.2.3 SC.F.1.2.4
	Lesson 2	How do stems and roots help a plant? pp. 98-101	SC.G.1.2.3 SC.F.1.2.4
	Guided Inquiry	Does the direction seeds are planted affect the direction the roots grow? pp. 114-115	SC.G.1.2.3
	Math in Science	Comparing Plant Growth pp. 116-117	SC.G.1.2.3
Scott Foresman Leveled Readers	<i>Plants</i> (Below-Level) <i>Sunflowers and the Story of Plants</i> (On-Level) <i>Food and Farming</i> (Advanced)		
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1 and 2 in chapter 4); FCAT Science Test Prep pp. 19-24; Assessment Book pp. 13-16 (Note: Omit all questions relating to lessons 3 and 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; Water World; Shed Some Light on Photosynthesis; Take a Little, Give a Little; What's for Dinner? Web of Life; Owl Have to Think about This; Feasting on Yeast		
AIMS www.aimsedu.org	<i>Magnificent Microworld Adventures</i> : The Green Machine; <i>The Budding Botanist</i> : Down Under, Herb and Woody		
Literature			
Other	Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 2</i> : Is It Food for Plants? pp. 113-120		
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FIFTH GRADE #16

Life Science

Scott Foresman Chapter 5: Interactions in 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).	AA	MC, SR
SC.B.2.2.1 knows that some source of energy is needed for organisms to stay alive and grow.	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.1.2.2 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.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
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.2.2.2 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

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 can you find out how animals live in an area? p. 124 What is an ecosystem? pp. 126-129	SC.G.1.2.3 SC.G.1.2.2 SC.G.1.2.7 SC.G.2.2.2
	Lesson 2	What are land biomes? pp. 130-135	SC.G.1.2.7
	Lesson 3	What are water ecosystems? pp. 136-139	SC.G.1.2.7
	Lesson 4	How do organisms interact? pp. 140-143	SC.G.1.2.1
	Lesson 5	How does energy move in ecosystems? pp. 144-147	SC.B.1.2.1 SC.B.2.2.1 SC.F.1.2.2 SC.G.1.2.3 SC.G.1.2.5 SC.G.1.2.6
	Lesson 6	What cycles occur in ecosystems? pp. 148-153	SC.G.1.2.1 SC.G.1.2.4 SC.G.1.2.6
	Guided Inquiry	How can you show that plants use carbon dioxide? pp. 154-155	SC.G.1.2.3

	Math in Science Population Cycles pp. 156-157	SC.G.2.2.2
Scott Foresman Leveled Readers	<i>Interactions in Ecosystems</i> (Below-Level) <i>Inside Ecosystems</i> (On-Level) <i>Build an Aquarium</i> (Advanced)	
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-6 in chapter 5); FCAT Science Test Prep pp. 25-30; Assessment Book pp. 17-20	
Vocabulary Bold = FCAT Underscore = Marzano	community, <u>ecosystem</u>, <u>energy pyramid</u>, habitat, population	
OTHER RESOURCES		
CIA www.cs.ocps.net	<u>Strands F and G - Ecosystems</u> : Habitat, Sweet Habitat; Water World; Shed Some Light on Photosynthesis; Take a Little, Give a Little; What's for Dinner? Web of Life; Owl Have to Think about This; Feasting on Yeast	
AIMS www.aimsedu.org	<i>Critters</i> : Who's Home in the Biome?	
Literature	Newbridge: <i>Habitats and Ecosystems Set</i>	
Other	Carolina Biological Program, <i>Science, Technology and Children</i> : Microworlds Kit Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 2</i> : Habitat Change, pp. 143-148	
NOTES		

FIFTH GRADE #17		
Life Science		
Scott Foresman Chapter 6: Changes in Ecosystems		
BENCHMARKS AND ITEM CLARIFICATION	AA or CS	Test Item Code
The student...		
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. <i>Identifies features or behaviors of an organism that are either acquired or inherited.</i>	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.	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
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 Guided Inquiry	How can pollution affect a habitat? p. 164 How do ecosystems change? pp. 166-169 How do species change? pp. 170-173 How do changes cause more changes? pp. 174-177 What happens when a wetland ecosystem changes? pp. 178-179
		SC.G.2.2.3 SC.G.1.2.2 SC.G.2.2.3 SC.F.2.2.1 SC.G.1.2.2 SC.G.2.2.1 SC.G.1.2.2 SC.G.2.2.1 SC.G.2.2.3 SC.G.2.2.3
Scott Foresman Leveled Readers	<i>Changing Ecosystems</i> (Below-Level) <i>How Ecosystems Change</i> (On-Level) <i>Changing World</i> (Advanced)	
Scott Foresman Assessment	Chapter Review; ExamView Test (build your own test for lessons 1-3 in chapter 6); FCAT Science Test Prep pp. 31-36; Assessment Book pp. 21-24	
Vocabulary Bold = FCAT Underscore = Marzano	adaptation	
OTHER RESOURCES		
CIA www.cs.ocps.net	<u>Strands F and G - Life Adaptations</u> : How Many Bears Can This Forest Hold? Adapting to Change <u>Strands F and G - Ecosystems</u> : Coastal Erosion	
AIMS www.aimsedu.org	<i>Vol. 16, No. 1</i> : Beat the Heat; <i>Vol. 18, No. 10</i> : Habitat Changes; <i>Critters</i> : Missing Moths	
Literature		
Other	Carolina Biological Program, <i>Science, Technology and Children</i> : Microworlds Kit Page Keeley, <i>Uncovering Student Ideas in Science, Vol. 2</i> : Baby Mice, pp. 129-136	
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