

Instructional Guide

Grade Level Second Grade

Subject Science

School System Pickens County

School Year 2011-2012

Time Period (Pacing – when)	Standards/ Components (Pacing – what)	Resources/ Activities (Pacing – how) Curricular Alignment	Date of Common Formative Assessment (Pacing – how well)	Mapping Comments (What works what needs adjustment)
1 st Six Weeks	2.7. Identify geological features as mountains, valleys, plains, deserts, lakes, rivers, and oceans.	Scott Foresman Science- p. 22 McGraw-Hill Science- Unit B, Lesson 6, p. B 18-B 21 Scott Foresman Reading- Unit 1, A Walk in the Desert Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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1 st Six Weeks	2.7.B.1. Identifying local landforms and bodies of water	Need additional resources Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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1 st Six Weeks	2.7.B.2. Identifying components of soil, including sand, clay, and silt	Scott Foresman Science- p. 140, 148-149, 228-229 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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1 st Six Weeks	2.11.a Identify basic components of our solar system, including the sun 2.11.b. Identify basic components of our solar system, including the planets 2.11.c. Identify basic components of our solar system, including the Earth's moon	Scott Foresman Science- Chapter 12 McGraw-Hill Science- Unit D, Lesson 3, 5, 6, p. D24-D29, D36-D41, D42-D49 Scott Foresman Reading- Unit 1, Exploring Space with an Astronaut Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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2 nd Six Weeks	2.6. Identify characteristics of animals, including behavior, size, and body covering	Scott Foresman Science- Chapter 2 McGraw-Hill Science- Unit A, Lesson 5, p. A32-A35 Scott Foresman Reading- Unit 2 stories 1-5, Unit 4 Frogs, Unit 5 One Dark Night, Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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2 nd Six Weeks	2.6.B.1. Comparing existing animals to extinct animals Examples: iguana to stegosaurus, elephant to woolly mammoth	Scott Foresman Science- Chapter 7 McGraw-Hill Science- Unit C, Lesson 4-6, p. C30-C49 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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2 nd Six Weeks	2.6.B.2. • Identifying migration and hibernation as survival strategies	Scott Foresman Science- p. 184-187 Provide more practice Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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3 rd Six Weeks	2.2 Identify vibration as the source of sound. 2.2.B.1 Identifying pitch and volume as properties of sound 2.2.B.2 Distinguishing between pitch and volume of sound	Scott Foresman Science- Chapter 11 McGraw-Hill Science- Unit E, Lesson 6, p. E42-E49 Scott Foresman Reading- Unit 4, Helen Keller Need more practice material Need more hands on supplies and activities Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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3 rd Six Weeks	2.3 Recognize that light travels in a straight line until it strikes an object. 2.3.B.1 Recognizing that light can be reflected	McGraw-Hill Science- Unit E, Lesson 5, p. E36-E41 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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4 th Six Weeks	2.5 Identify the relationship of structure to function in plants, including roots, stems, leaves, and flowers.	Scott Foresman Science- Chapter 1 McGraw-Hill Science- Unit A, Lesson 1-3, p. A4 - A19 Scott Foresman Reading- Unit 3, Rosa and Blanca & A Weed is a Flower; Unit 4 A Life Cycle of a Pumpkin Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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4 th Six Weeks	2.8. Identify evidence of erosion and weathering of rocks.	Scott Foresman Science- p. 152-153 McGraw-Hill Science- Unit C, Lesson 2, p. C12-C17 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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4 th Six Weeks	2.9. Describe evaporation, condensation, and precipitation in the water cycle.	Scott Foresman Science- p. 178-179 McGraw-Hill Science- Unit C, Lesson 1, p. C4-C11 Scott Foresman Reading- Unit 4 Helen Keller, Unit 5 One Dark Night Need more practice material Need more hands on supplies and activities Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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4 th Six Weeks	2.10.a. Identify the impact of weather on agriculture 2.10.b. Identify the impact of weather on recreation 2.10.c. Identify the impact of weather on the economy 2.10.d. Identify the impact of weather on society	Scott Foresman Science- p. 176 McGraw-Hill Science- Unit C, Lesson 3, p. C18-C23 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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4 th Six Weeks	2.10.B.1. Recognizing the importance of science and technology to weather predictions	Need additional resources Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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5th Six Weeks	2.1 Identify states of matter as solids, liquids, and gases. 2.1.B.1. Describing objects according to physical properties, including hardness, color, and flexibility 2.1.B.2. Describing changes between states of matter Examples: solid to liquid-melting, gas to liquid-condensing, liquid to gas-evaporating, liquid to solid-freezing 2.1.B.3. Measuring quantities of solids and liquids	Scott Foresman Science-Chapter 8 McGraw-Hill Science- Unit E, Lesson 1-3, p. E4-E23 Internet Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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6th Six Weeks	2.4.a. Describe observable effects of forces including buoyancy Examples: buoyancy-boat floating on water	Scott Foresman Science- p. 304-305 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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6 th Six Weeks	2.4.b. Describe observable effects of forces including gravity Example: gravity-apple falling from tree	Scott Foresman Science- p. 306-307 McGraw-Hill Science- Unit F, Lesson 1, p. F4-F9 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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6 th Six Weeks	2.4.c. Describe observable effects of forces, including magnetism Example: magnetism- magnets adhering to metal	Scott Foresman Science- p. 318-323 McGraw-Hill Science- Unit F, Lesson 5-6, p. F36-F49 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		

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6 th Six Weeks	2.4.B.1. Identifying simple machines, including the inclined plane, lever, pulley, wedge, screw, and wheel and axle	Scott Foresman Science- p. 314-315 McGraw-Hill Science- Unit F, Lesson 3-4, p. F18-F29 Provide scaffolded instruction, activate prior knowledge, use graphic organizers, and charts		