Pacing Guide for 2nd Grade Science Curriculum
2012-2013

Week Number	Chapter & Lesson	COS	Objectives/Content Standards
August 8 - 24	**<u>Unit A</u>** **Plants and Animals** Chapter 1: Plants are Living Things	5	5.) Identify the relationship of structure to function in plants, including roots, stems, leaves, and flowers.
August 27 – September13	Chapter 2: Animals are Living Things	6	6.) Identify characteristics of animals, including behavior, size, and body covering • Comparing existing animals to extinct animals Examples: iguana to stegosaurus, elephant to wooly mammoth • Identifying migration and hibernation as survival strategies
September 14 - 28	Chapter 3: Animal Life Cycles	6	6.) Identify characteristics of animals, including behavior, size, and body covering • Comparing existing animals to extinct animals Examples: iguana to stegosaurus, elephant to wooly mammoth • Identifying migration and hibernation as survival strategies
October 1-12	**<u>Unit B</u>** **Environments and Energy** Chapter 4: Environments	6	6.) Identify characteristics of animals, including behavior, size, and body covering • Comparing existing animals to extinct animals Examples: iguana to stegosaurus, elephant to wooly mammoth • Identifying migration and hibernation as survival strategies
October 15-31	Chapter 5: Energy Needs	6	6.) Identify characteristics of animals, including behavior, size, and body covering • Comparing existing animals to extinct animals Examples: iguana to stegosaurus, elephant to wooly mammoth • Identifying migration and hibernation as survival strategies
November1-28	**<u>Unit C</u>** **Treasures from Earth** Chapter 6: Rocks, Soils, and Fossils	8	8.) Identify evidence of erosion and weathering of rocks. 7.) Identify geological features as mountains, valleys, plains, deserts, lakes, rivers, and oceans. • Identifying local landforms and bodies of water • Identifying components of soil, including sand, clay, and silt

November 29-December 14	Chapter 7: Using Soil and Saving Resources	7	7.) Identify geological features as mountains, valleys, plains, deserts, lakes, rivers, and oceans. • Identifying local landforms and bodies of water • Identifying components of soil, including sand, clay, and silt

Pacing Guide for 5th Grade Science Curriculum

Week Number	Chapter & Lesson	COS	Objectives/Content Standards
December 17-January 16	**Unit D** **Patterns in the Sky** Chapter 8: Weather Patterns	9,10	10.) Identify the impact of weather on agriculture, recreation, the economy, and society. • Recognizing the importance of science and technology to weather predictions 9.) Describe evaporation, condensation, and precipitation in the water cycle.
January 17-February 4	Chapter 9: Motions in the Sky	11,3	11.) Identify basic components of our solar system, including the sun, planets, and Earth's moon. 3.) Recognize that light travels in a straight line until it strikes an object. • Recognizing that light can be reflected
February 5-22	**Unit E** **Matter and Energy** Chapter 10: Comparing Matter	1	1.) Identify states of matter as solids, liquids, and gases. • Describing objects according to physical properties, including hardness, color, and flexibility • Describing changes between states of matter Examples: - solid to liquid-melting, - gas to liquid-condensing, - liquid to gas-evaporating, - liquid to solid-freezing • Measuring quantities of solids and liquids
February 25-March 12	Chapter 11: Making Sound	2	2.) Identify vibration as the source of sound. • Identifying pitch and volume as properties of sound • Distinguishing between pitch and volume of sound
March 13-April 4	**Unit F** **Motion and Forces** Chapter 12: Objects in Motion	11	11.) Identify basic components of our solar system, including the sun, planets, and Earth's moon.

April 5-22	Chapter 13: Magnets	4	4.) Describe observable effects of forces, including buoyancy, gravity, and magnetism. Examples: - buoyancy-boat floating on water, - gravity-apple falling from tree, - magnetism-magnets adhering to metal • Identifying simple machines, including the inclined plane, lever, pulley, wedge, screw, and wheel and axle