

Lee County Schools 5th Grade Science Pacing Guide

1st Nine Weeks (August-October)

Alabama COS Standards	Week	Topics/ Theme	Vocabulary	Textbook/ Resources	AMSTI Modules	Technology Based Lessons & Links
COS #1. Identify evidence of chemical changes through color, gas formation, solid formation, and temperature change.	7days	Physical Science	Observation; Communication; Classification; Measurement; Prediction; Inference Controlled Variable; Hypothesis; Experiment (Controlled); Data Analysis	Chapter 1, pp. 1-23 (Integrated throughout text)	AMSTI Kits Investigation pp. 456, 459, 465 FOSS-Delta Education: Variables	
COS #1. Identify evidence of chemical changes through color, gas formation, solid formation, and temperature change.	8days	Physical Science	chemical change; chemical properties; combustibility reactivity; corrosion; conservation	Unit E Chapter 14 Lesson 3 pp. 435-460 Chapter 17, p. 544-553	AMSTI Kits Investigation pp. 456, 459, 465 FOSS – Delta Education: Variables	
# 2. Define mass, volume, and density.	8 days	Physical Science	mass; volume; atom; molecule; nucleus; element; periodic table; matter, physical change; density; mixture; solution; atomic number; solid; liquid; gas	Unit E Chapter 14 Lesson 1-2 pp. 438-455	AMSTI Kits Investigation pp. 439, 447, 453, Illustration p. 454	

#3. Use everyday indicators to identify common acids and bases.	5 days					
#4. Describe forms of energy, including chemical, heat, light, and mechanical. - Identifying types of potential and kinetic energy Examples: potential—water behind a dam, battery; kinetic—water moving across turbine blades - Describing alternatives to the use of fossil fuels Examples: solar energy, geothermal energy, windmill, hydroelectric power, biomass - Identifying the transfer of energy by conduction, convection, and radiation Examples: conduction—hot plate heating a pan, convection—space heater heating air, radiation—sun heating Earth's surface	15 days	Physical Science	energy; electrical energy; fossil fuel; nonrenewable resource; conservation; renewable resource; pollution; solar energy; geothermal energy; windmill; hydroelectric power; biomass; energy transfer; conduction; convection;	Unit E Chapter 15 Lesson1- 4 pp. 468-509 Chapter 17, pp. 556-562 Chapter 18, pp. 576-596 Chapter 19, pp. 608-625 Chapter 18, pp. 576-580 Chapter 16, pp. 514-535	AMSTI Kits Investigation pp. 471, 475, 479, 481, 489, 493, 497, 501, 507 FOSS – Delta Education: Variables Potential and Kinetic Energy	

