

8th Grade Physical Science Pacing 2016-17

<u>Unit 1: Chemical Building Blocks</u> Chapter 1: Introduction to Physical Science Chapter 2: The Nature of Matter Chapter 3: Solids, Liquids, and Gases Chapter 4: Elements and the Periodic Table	42 Days August 10 – October 7	<u>NGSS Disciplinary Core Idea: Physical Science</u> PS1.A Structure Of Matter
<u>Unit 2: Chemical Interactions</u> Chapter 5: Atoms and Bonding Chapter 6: Chemical Reactions Chapter 7: Acids, Bases, and Solutions Chapter 8: Carbon Chemistry	44 Days October 17 – January 13	<u>NGSS Disciplinary Core Idea: Physical Science</u> PS1.B Chemical Reactions PS3.D Energy In Chemical Processes And Everyday Life
Benchmark 1	January	All Standards
<u>Unit 3: Motion, Forces, and Energy</u> Chapter 9: Motion and Energy Chapter 10: Forces Chapter 11: Forces in Fluids	47 Days January 17 – March 24	<u>NGSS Disciplinary Core Idea: Physical Science</u> PS2.A Forces And Motion PS2.B Types Of Interactions PS3.A Definitions Of Energy PS3.B Conservation Of Energy And Energy Transfer PS3.C Relationship Between Energy And Forces PS4.A Wave Properties PS4.B Electromagnetic Radiation PS4.C Information Technologies And Instrumentation
<u>Unit 4: Astronomy</u> Chapter 12: Earth, Moon, and Sun Chapter 13: Exploring Space Chapter 14: The Solar System Chapter 15: Stars, Galaxies, and the Universe	47 Days April 3 – June 9	<u>NGSS Disciplinary Core Idea: Earth and Space Science</u> ESS1.A The Universe And Its Stars ESS1.B Earth And The Solar System
Benchmark 2	May	All Standards

Updated: August 2016