

7th Grade Science * Quick Reference Pacing Guide * 2024-2025

Note: This document is meant to be a **quick** reference of the standards covered each nine weeks. For a complete description of the course, standards and performance objectives, see the [MS College and Career Readiness Standards for Science](#). In addition, RCSD Science Teachers are provided an expanded version of the pacing for support in lesson planning.

<p style="text-align: center;">1st Term: Aug. 1 - Oct. 4 <i>July 25-26:29-31 - Staff Development</i> <i>Aug. 1 - First Day of School</i> <i>Sept 2 -Labor Day/Holiday</i> <i>Oct. 7-11 - School Holiday/Fall Break</i> <i>Oct. 14 - Staff Development</i></p>	<p style="text-align: center;">2nd Term: Oct. 15 - Dec. 20 <i>Nov. 25-29 - Thanksgiving Break</i> <i>Dec. 16 - 20 - Exams</i> <i>Dec. 20 - Reduced Day</i> <i>Dec. 23 - Jan. 3 - Christmas Break</i></p>	<p style="text-align: center;">3rd Term: Jan. 7 - Mar 7 <i>Jan. 6 - Staff Development</i> <i>Jan. 7 - Students Return</i> <i>Jan. 20 - MLK Day/Holiday</i> <i>Feb. 17 - Presidents' Day/Holiday</i> <i>March 10 - 14 - Spring Break</i></p>	<p style="text-align: center;">4th Term: March 17 - May 23 <i>April 18, 21 - Easter/Holiday</i> *STATE TESTING Window opens mid-April* <i>May 19-23 - Exams</i> <i>May 23 - Reduced Day</i> <i>May 23 - Last Teacher Day</i></p>
<p>Science and Engineering Practices Scientific Method; Experimental Design; Norms of Scientific Investigations; Safety Introduction to Lab Report <i>* These practices and concepts should be incorporated in units throughout the year and not just taught in isolation.</i></p> <p>Introduction to 7th Grade Science Theme: Systems and Cycles</p> <p>L.7.3 (1) - Cycles in Earth's systems</p> <p>P.7.5A Properties of Matter</p> <p>P.7.5B Effects of Temperature and Pressure on Physical State, Molecular Motion and Interactions</p> <p>P.7.5C - Atomic model and organization of the periodic table</p>	<p>P.7.5D - Relationship between chemical equations and chemical reactions.</p> <p>P.7.5E - Law of Conservation of Mass</p> <p>E.7.9C - Review Sun/Earth system and seasons</p> <p>E.7.9A - Weather vs Climate; Changes in the Movement of Air and Water</p> <p>E.7.9B - Analyze data on human and natural causes of climate change</p>	<p><u>Review Cell Organelles and Their Role in Cycling of Matter</u></p> <p><u>L.7.3 - Biological molecules, Cellular Respiration and Photosynthesis</u></p> <p><u>L.8.2A Cell Division</u></p>	<p>Review P.7.5B</p> <p>E.8.9A.1 - Relationship between density, temperature and movement of Earth's plates.</p> <p>P.8.6 - Introduction to Waves</p>

