



2021-2022 Pacing 8th Grade- Science

1st Quarter Aug 4-Oct 6	2nd Quarter Oct 7-Dec 17	3rd Quarter Jan 4-Mar 10	4th Quarter Mar 11-May 20
<p><i>Content/Units:</i></p> <p>1 Week Agenda Review/Classroom procedures/syllabus</p> <p>Unit 1--Building the Basics; Introduction to Science</p> <p>Unit 2--Atomic Structure and Theory</p> <p>Unit 3--Law of Conservation of Matter, Chemical vs. Physical changes and properties</p> <p>Unit 4--Pure Substances vs Mixture, types of matter</p> <p>Unit 5--Movement of particles in solids liquids, gases, and plasma, thermal energy</p>	<p><i>Content/Units:</i></p> <p>Unit 5 continued--Movement of particles in solids, liquids, gases and plasma; Thermal Energy</p> <p>Unit 6--What is Energy?</p> <p>Unit 7--Energy Transformations</p> <p>Unit 8--Relationships of kinetic energy to mass and speed, Potential Energy to mass and height</p> <p>Unit 9--Heat (conduction, convection and radiation)</p> <p>Unit 10--Speed, Velocity, and distance</p>	<p><i>Content/Units:</i></p> <p>Continue Unit 10--Speed, Velocity and distance</p> <p>Unit 11--Newton's Laws of Motion, Balanced and Unbalanced forces, Acceleration and mass relationship</p> <p>Unit 12--Types of Waves, parts of waves, similarities and differences between electromagnetic and mechanical waves</p> <p>Unit 13--Relationship between EM spectrum and energy and practical applications</p> <p>Unit 14--Refraction, reflection, diffraction, absorption and wave behavior via density of media</p> <p>Unit 15--Lens, light, technological applications and wave properties</p>	<p><i>Content/Units:</i></p> <p>Unit 16--Magnetic, gravitational, and electric fields</p> <p>Unit 17--conductors, insulators, conduction, induction, friction, motors, generators, electricity, and electromagnets</p> <p>Review Units--Review and Practice for Milestone and Milestone Testing Window</p> <p>Unit 18--Simple Machines and Mechanical advantage</p> <p>Unit 19--Review to end of school for 8th grade milestone remediation</p>

<p><i>Common Assessments:</i></p> <p>Big 20 Assessment</p>	<p><i>Common Assessments:</i></p> <p>Big 20 Assessment</p>	<p><i>Common Assessments:</i></p> <p>Big 20 Assessment</p>	<p><i>Common Assessments:</i></p> <p>Big 20 Assessment</p>
<p><i>Georgia Standards of Excellence:</i></p> <p>S8P1 a-f</p>	<p><i>Georgia Standards of Excellence:</i></p> <p>S8P2a-d S8P3a, c</p>	<p><i>Georgia Standards of Excellence:</i></p> <p>S8P4a-g</p>	<p><i>Georgia Standards of Excellence:</i></p> <p>S8P5a-c Review of all standards S8P1a-f, S8P2a-d, S8P3a-c, S8P4a-g, and S8P5a-c</p>
<p><i>Important Notes:</i></p> <p>8/4/21 First Day of School! 9/2/21 Progress Reports 9/6/21 Labor Day Holiday 10/6/21 End of 1st Quarter</p>	<p><i>Important Notes:</i></p> <p>10/11/21 Columbus Day Holiday 10/14/21 1st Quarter Report Cards Parent/Teacher Conf. 10/15/21 Early Dismissal Homecoming 11/9/21 Progress Reports 11/11/21 Veterans Day Holiday 11/19/21 Early Dismissal 11/22-26 Thanksgiving Holidays 12/17/21 Early Dismissal End of 2nd Quarter 12/20-1/3 Christmas Break</p>	<p><i>Important Notes:</i></p> <p>1/3/22 Teacher Planning Day 1/6/22 2nd Quarter Report Cards Parent Teacher Conf 1/7/22 Early Dismissal 1/17/22 MLK, Jr. Holiday 2/3/22 Progress Reports 2/18/22 Teacher Planning Day 2/21/22 President's Day Holiday 3/10/22 End of 3rd Quarter</p>	<p><i>Important Notes:</i></p> <p>3/11/22 Teacher Planning Day 3/17/22 3rd Quarter Report Cards Parent/Teacher Conf 3/18/22 Early Dismissal 4/1/22 Early Dismissal 4/4-8 Spring Break 4/21/22 Progress Reports 5/20/22 Last Day of School!</p> <p>*Georgia Milestone Testing is tentatively scheduled to occur April/May 2022.</p>

***Content within a quarter is at the pace appropriate to individual classes and student needs**