

UNDERSTANDING YOUR CHILD'S REPORT CARD



SY 2021-2022

8th Grade | Second Nine Weeks

LEARNING GUIDES

What will my child learn?

English Language Arts	Mathematics	Science	Social Studies
<p><i>All students should know and/or be able to:</i></p> <p>Determine central idea and author's purpose in a text, and analyze their development.</p> <p>Analyze how an author presents conflicting viewpoints and the use of dramatic irony.</p> <p>Analyze the role of specific paragraphs and sentences in a text.</p> <p>Write informatively to examine a topic or convey information; write arguments to support claims using reasons and evidence.</p> <p>Use verbs in the active and passive voice correctly.</p> <p>Explain the function of infinitives and gerunds in a sentence.</p> <p>Determine the meaning of unfamiliar words using a variety of strategies; build academic vocabulary.</p> <p>Communicate and work with peers and adults about what they read and write.</p>	<p><i>All students should know and/or be able to:</i></p> <p>Use Pythagorean Theorem and its converse to solve problems involving right triangles</p> <p>Use formulas for the volume of cones, cylinders, and spheres</p> <p>Define the algebraic rule of a function given its input and output using a graph or table</p> <p>Use square roots and cube roots to solve equations</p> <p>Compare functions in graphs, tables, written algebraically and when verbally described.</p>	<p><i>All students should know and/or be able to:</i></p> <p>Create graphical displays that show the relationships of kinetic energy to mass and speed, and potential energy to mass and height of an object.</p> <p>Investigate to explain the transformation between kinetic and potential energy within a system, such as roller coasters, pendulums, and rubber bands.</p> <p>Use evidence to support a claim about the type of energy transformations within a system.</p> <p>Investigate the effects of heat transfer on molecular motion as it relates to conduction, convection, and radiation.</p> <p>Identify patterns in the relationships between speed and distance, and velocity and acceleration.</p>	<p><i>All students should know and/or be able to:</i></p> <p>Describe the foundations of Georgia's government.</p> <p>Analyze the role of the legislative branch in Georgia.</p> <p>Analyze the role of the executive branch in the Georgia state government.</p> <p>Analyze the role of the judicial branch in the Georgia state government.</p> <p>Explain significant factors that affected westward expansion in Georgia between 1789 and 1840. Analyze the impact of the Civil War on Georgia.</p> <p>Analyze the impact of Reconstruction on Georgia</p>