

Chattooga County Second Grade Science Curriculum Map

The Science Georgia Standards of Excellence drive instruction. **Hands-on, student-centered, and inquiry-based** approaches should be the emphasis of instruction. The standards are a required minimum set of expectations that show proficiency in science.

1st 9 weeks	2nd 9 weeks	3rd 9 weeks	4th 9 weeks		
Unit 1: Effect of the position of Sun & Moon on Earth.	Unit 2: Our Sun	Unit 3: Properties of Matter	Unit 4: Pushes and Pulls	Unit 5: Life Cycles	Unit 6: Our Environment
9 weeks	3 Weeks	7 Weeks	4 weeks	8 weeks	5 Weeks
<p>S2E2 <u>Concept(Practice)</u> Effect of position of sun on Earth (Plan and Carry out Investigation)</p> <p>Shadow changes throughout day (Design and build a structure)</p> <p>Length of day in relation to seasons (Represent data)</p> <p>Appearance of the moon changes(Use data to describe, illustrate, and predict)</p>	<p>S2E1 <u>Concept(Practice)</u> Physical attributes of stars (Ask Questions)</p> <p>Sun compared to other stars (Construct an Argument)</p>	<p>S2P1 <u>Concept(Practice)</u> Physical Properties of objects (Ask questions to describe and classify)</p> <p>Structures disassembled and rearranged to make new and different structures (Construct an explanation)</p> <p>Reversible and irreversible changes in matter(provide evidence from observations)</p>	<p>S2P2 <u>Concept(Practice)</u> Effects of push and pull on on objects (plan and carry out investigations)</p> <p>Change in speed or direction of object (design a device)</p> <p>Change in speed or direction (Record and Analyze data)</p>	<p>S2L1 <u>Concept(Practice)</u> Sequence of life cycle of common animals (Ask Questions)</p> <p>Life cycle of a plant by growing from seed (Plan and carry out an investigation)</p> <p>Animal’s role in dispersing seeds or pollination (Develop a simple model)</p> <p>Life cycles of organisms other than humans (Develop Models)</p>	<p>S2E3 <u>Concept(Practice)</u> Major changes to environment (Ask Questions)</p> <p>Causes of changes to environment (Construct an Explanation)</p>

The Second Grade Georgia Standards of Excellence for science engage students in raising questions about the world around them and seeking answers by making observations and exploring. At the appropriate times, students will ask, “How do you know?” and will attempt to answer the question. They will use whole numbers as well as basic fractions (such as one-half and one-fourth) to identify and analyze scientific data. Second graders will find sums and differences of single digit numbers and then justify the answer. They will give rough estimates to problems and estimate lengths, weights, and time intervals. They will explain to others how to solve numerical problems related to a science activity.