



# Science/S.S. – Third Grade 2024-25

## First Quarter

<b>SCIENCE</b>	<b>SOCIAL STUDIES</b>
<b>Week 1, Aug 5-9</b>	<b>Geography: Maps and Globes</b> <b>3.01</b> Analyze maps and globes using common terms, including: country, North Pole, Equator, Prime meridian, hemisphere, region, latitude, South Pole, longitude, time zones
<b>Week 2, Aug 12-16</b>	<b>3.01 (continued)</b>  <b>3.02</b> Use cardinal directions, intermediate directions, map scales, legends, and grids to locate major cities in Tennessee and the U.S.
<b>Week 3, Aug 19-23</b> <b>Plant &amp; Animal Adaptations</b> <b>3.LS1.1</b> Analyze the internal and external structures that aquatic and land animals and plants have to support survival, growth, behavior, and reproduction.	
<b>Week 4, Aug 26-30</b> <b>3.LS1.1 Continued</b> <b>3.LS2.1</b> Construct an argument to explain why some animals benefit from forming groups.	
<b>Week 5, Sept 3-6 (4-day week)</b> <b>3.LS4.1</b> Explain the cause and effect relationship between a naturally changing environment and an organism's ability to survive.	
<b>Week 6, Sept 9-13</b> <b>3.LS4.2</b> Infer that plant and animal adaptations help them to survive in land and aquatic biomes.	
<b>Week 7, Sept 16-20</b> <b>Changes to Biodiversity</b> <b>3.LS4.3</b> Explain how changes to an environment's biodiversity influence human resources. <b>3.ETS1.1</b> Design a solution to a real-world problem that includes specified criteria for constraints.	

**Week 8, Sept 23-27**

- 3.03 Examine major physical features on globes and maps, including: Basin, Bay, Canal, Canyon, Delta, Desert, Gulf, Island, Isthmus, Mountain, Ocean, Peninsula, Plain, Plateau, River, Sea, Strait, Stream, Valley
- 3.04 Examine major political features on globes and maps, including: boundaries, cities, highways, railroads, and roads.
- 3.05 Use different types of maps (e.g., political, physical, population, resource, and climate), graphs, and charts to interpret geographic information.

**Week 9, Sept 30-Oct 4**

**District Science Checkpoint Assessment 1  
(3.LS1.1, 3.LS2.1, 3.LS4.1-3)**

- World Geography**
- 3.06 Identify and locate the major continents and oceans using maps and globes: Africa, Antarctica, Asia, Australia, Europe, North America, South America, Arctic Ocean, Atlantic Ocean, Indian Ocean, Pacific Ocean, Southern Ocean
- 3.07 Identify and locate major countries, including: Brazil, China, Egypt, France, Great Britain, India, Italy, Japan, Russia, Spain



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## Second Quarter

SCIENCE	SOCIAL STUDIES
<p><b>Week 1, Oct 14-18</b>  <b>Error Analysis/Retesting in Groups</b></p> <p><b>Magnets</b>  <b>3.PS2.1</b> Explain the cause and effect relationship of magnets.  <b>3.PS2.2</b> Solve a problem by applying the use of the interactions between two magnets.  <b>3.ETS1.2</b> Apply evidence or research to support a design solution.</p>	
<p><b>Week 2, Oct 21-25</b>  <b>3.PS3.3.</b> Evaluate how magnets cause changes in the motion and position of objects even when the objects are not touching the magnet.</p>	
<p><b>Week 3, Oct 28-Nov 1</b>  <b>Energy of Motion, Transfer of Energy</b>  <b>3.PS3.1</b> Recognize that energy is present when objects move; describe the effects of energy transfer from one object to another.</p>	
<p><b>Week 4, Nov 4-8 (4-day week)</b>  <b>Electrical Energy</b>  <b>3.PS3.2</b> Apply scientific ideas to design, test and refine a device that converts electrical energy to another form of energy using open or closed simple circuits.  <b>3.ETS1.2</b> Apply evidence or research to support a design solution.</p>	
<p><b>Week 5, Nov 11-15</b></p>	<p><b>Indigenous Peoples through European Exploration (prior to 1585)</b>  <b>3.19</b> Compare and contrast the geographic locations and customs (i.e., housing and clothing) of the Northeast, Southeast, and Plains North American Indians.  <b>3.20</b> Describe the conflicts between American Indian nations, including the competing claims for the control of land.</p>

<p><b>Week 6, Nov 18-22</b></p>	<p><b>3.21</b> Identify the routes and contributions of early explorers of the Americas, including: Christopher Columbus, Hernando de Soto, Ferdinand Magellan, and Amerigo Vespucci.</p> <p><b>3.22</b> Examine how American Indian cultures changed as a result of contact with European cultures, including: decreased population, spread of disease (smallpox), increased conflict, loss of territory, and increase in trade.</p>
<p><b>Week 7, Nov 25-26 (2-day week)</b>  <b>Properties of Matter</b>  <b>3.PS1.1</b> Describe the properties of solids, liquids, and gasses and identify that matter is made up of particles too small to be seen.</p>	
<p><b>Week 8, Dec 2-6</b>  <b>3.PS1.1 Continued</b></p> <p><b>3.PS1.3</b> Describe and compare the physical properties of matter including color, texture, shape, length, mass, temperature, volume, state, hardness and flexibility.</p>	
<p><b>Week 9, Dec 9-13</b>  <b>Physical and Chemical Changes/Properties</b>  <b>3.PS1.2</b> Differentiate between changes caused by heating or cooling that can be reversed and that cannot.</p>	
<p><b>Week 10, Dec 16-20 (4.5-day week)</b>  <b>District Science Checkpoint Assessment 2 (3.PS1.1-3, 3.PS2.1-2, 3.PS3.1-3)</b></p> <p><b>Error Analysis/Retesting in Groups</b></p>	



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## Third Quarter

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<p><b>Week 1, Jan 7-10 (4-day week)</b></p> <p><b>Planets</b></p> <p><b>3.ESS1.1</b> Use data to categorize the planets in the solar system as inner and outer planets according to their physical properties.</p> <p><b>3.ETS2.1</b> Identify and demonstrate how technology can be used for different purposes.</p>	
<p><b>Week 2, Jan 13-17</b></p>	<p><b>Economics</b></p> <p><b>3.14</b> Compare natural resources within the three grand divisions of Tennessee, and trace the development of a product from natural resource to a finished product.</p> <p><b>3.15</b> Interpret a chart, graph, or resource map of major imports and exports in Tennessee.</p> <p><b>3.16</b> Describe how scarcity, supply, and demand affects the prices of products.</p>
<p><b>Week 3, Jan 21-24 (4-day week)</b></p>	<p><b>3.17</b> Compare and contrast how goods and services are exchanged on local and regional levels.</p> <p><b>3.18</b> Analyze how people interact with their environment to satisfy basic needs and wants, including: housing, industry, transportation, and communication.</p>
<p><b>Week 4, Jan 27-31</b></p> <p><b>The Water Cycle</b></p> <p><b>3.ESS2.1</b> Explain the cycle of water on Earth.</p> <p><b>Cloud Types and Weather</b></p> <p><b>3.ESS2.2</b> Associate major cloud types (cumulus, cumulonimbus, cirrus, stratus, nimbostratus) with weather conditions.</p>	

<p><b>Week 5, Feb 3-7</b>  <b>Determining Local Weather and Climate</b>  <b>3.ESS2.3</b> Use tables, graphs, and tools to describe precipitation, temperature, and wind (direction and speed) to determine local weather and climate.  <b>3.ETS2.1</b> Identify and demonstrate how technology can be used for different purposes.</p>	
<p><b>Week 6, Feb 10-14</b>  <b>Climates Around the World</b>  <b>3.ESS2.4</b> Incorporate weather data to describe major climates (polar, temperate, tropical) in different regions of the world.</p>	
<p><b>Week 7, Feb 18-21 (4-day week)</b>  <b>Natural Hazards</b>  <b>3.ESS3.1</b> Explain how natural hazards (fires, landslides, earthquakes, volcanic eruptions, floods) impact humans and the environment.</p>	
<p><b>Week 8, Feb 24-28</b>  <b>3.ESS3.2</b> Design solutions to reduce the impact of natural hazards (fires, landslides, earthquakes, volcanic eruptions, floods) on the environment.  <b>3.ETS1.1</b> Design a solution to a real-world problem that includes specified criteria for constraints.  <b>3.ETS1.2</b> Apply evidence or research to support a design solution.</p>	
<p><b>Week 9, Mar 3-7</b>  <b>3.ESS3.2, 3.ETS1.1, 3.ETS1.2 Continued</b></p>	
<p><b>Quarter 4, Week 1, Mar 10-14</b>  <b>District Science Checkpoint Assessment 3</b>  <b>(3.ESS1.1, 3.ESS2.1-4, 3.ESS3.1-2)</b></p>	



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## Fourth Quarter

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<p><b>Week 2, Mar 24-28</b>  <b>Error Analysis/Retesting in Groups</b></p> <p><b>Science Spiral Review/Reteach</b></p>	<p><b>Early North American Settlements (1585-1600s)</b></p> <p><b>3.23</b> Describe the failure of the lost colony of Roanoke and the theories associated with it.</p> <p><b>3.24</b> Explain the significance of the settlement of Jamestown and the role it played in the founding of the U.S.</p>
<p><b>Week 3, Mar 31-Apr 3 (4-day week)</b>  <b>Science Spiral Review/Reteach</b></p>	<p><b>3.25</b> Explain the significance of the settlements of Massachusetts Bay and Plymouth and the role they played in the settling of our country.</p> <p><b>3.26</b> Examine how the regional (i.e., New England, Middle, and Southern) geographic features of the Thirteen Colonies influenced their development.</p>
<p><b>Week 4, Apr 7-11</b>  <b>Science Spiral Review/Reteach</b></p>	<p><b>3.27</b> Identify the economic, political, and religious reasons for founding the Thirteen Colonies and the role of indentured servitude and slavery in their settlement.</p> <p><b>3.28</b> Identify representative assemblies and town meetings as early democratic practices during the colonial period.</p>
<p><b>Week 5, Apr 14-17 (4-day week)</b>  <b>Science Spiral Review/Reteach</b></p>	<p><b>3.29</b> Explain the cooperation that existed between colonists and American Indians during the 1600s and 1700s, including: fur trade, military alliances, treaties, and cultural exchanges.</p> <p><b>3.30</b> Examine how long hunters (e.g., Daniel Boone and William Bean) created interest in land west of the Appalachian Mountains.</p>
<p><b>Week 6, Apr 21-25</b>  <b>Earth Day (4/22)</b>  <b>STEM PBL/Invention Convention</b></p>	<p><b>3.31</b> Describe life on the Tennessee frontier and reasons why settlers moved west.</p> <p><b>3.09</b> Identify and locate the fifty states of the U.S.</p>

<p><b>Week 7, Apr 28-May 2</b>  <b>STEM PBL/Invention Convention</b></p>	<p><b>3.09 Continued</b></p>
<p><b>Week 8, May 5-9</b>  <b>STEM PBL/Invention Convention</b></p>	<p><b>3.10</b> Identify and locate major cities in the U.S., including: Chicago, Los Angeles, Miami, New York City, Seattle, Washington, D.C.  <b>3.11</b> Identify major physical features of the U.S., including:  * Rivers—Colorado, Mississippi, Ohio, Rio Grande  * Mountains—Alaska Range, Appalachian, Rockies  * Bodies of Water—Great Lakes, Gulf of Mexico  * Desert—Great Basin  * Landforms—Grand Canyon, Great Plains</p>
<p><b>Week 9, May 12-16</b>  <b>STEM Activities or PBL</b></p>	<p><b>3.12</b> Locate the following cities and physical features in Tennessee:  * Cities—Chattanooga, Knoxville, Memphis, Nashville  * Rivers—Cumberland, Mississippi, Tennessee  * Mountain Range—Great Smoky Mountains  <b>3.13</b> Explain how geographic challenges are met with: Bridges, Canals, Dams, Freshwater supply, Irrigation systems, Landfills, Tunnels</p>
<p><b>Week 10, May 19-23 (4.5-day week)</b>  <b>STEM Activities or PBL</b></p>	