

Grade		Unit		
The size of each block corresponds to the number of quarters recommended for the unit of study. A double block indicates the unit of study will take two quarters to complete.				
	Year One		Year Two	
K	<b>Plants and Animals</b> <i>To include:</i> <ul style="list-style-type: none"><li>Exploring Plants and Animals, <i>STC</i></li></ul>	<b>Weather Walk</b> <i>To include:</i> <ul style="list-style-type: none"><li>Weather, <i>STC</i></li><li>Sunny Sandbox, <i>ETA/hand2mind</i></li><li>Clouds, <i>GLOBE</i></li></ul>	<b>Push and Pull</b> <i>To include:</i> <ul style="list-style-type: none"><li>Balls and Ramps, <i>Insights</i></li><li>Sidewalk Safety, <i>ETA/hand2mind</i></li></ul>	
1	<b>Sound, Light, and Sky</b> <i>To include:</i> <ul style="list-style-type: none"><li>Sound and Light, <i>FOSS</i></li><li>Sundial, <i>GLOBE</i></li><li>Sky, <i>Delta</i></li></ul>		<b>Wild Organisms</b> <i>To include:</i> <ul style="list-style-type: none"><li>Organisms, <i>STC</i></li><li>Wild Feet, <i>ETA/hand2mind</i></li></ul>	
2	<b>Matter</b> <i>To include:</i> <ul style="list-style-type: none"><li>Solids and Liquids, <i>FOSS</i></li></ul>	<b>Soils and Shores</b> <i>To include:</i> <ul style="list-style-type: none"><li>Pebbles, Sand, and Silt, <i>FOSS</i></li><li>Shrinking Shore, <i>ETA/hand2mind</i></li></ul>	<b>Plants and Bugs</b> <i>To include:</i> <ul style="list-style-type: none"><li>Plant Growth and Development, <i>STC</i></li><li>The Best of Bugs: Designing Hand Pollinators, <i>EiE</i></li></ul>	
3	<b>Heredity and Diversity</b> <i>To include:</i> <ul style="list-style-type: none"><li>Structures of Life, <i>FOSS</i></li></ul>	<b>Weather and Climate</b> <i>To include:</i> <ul style="list-style-type: none"><li>Water and Climate, <i>FOSS</i></li><li>Max/Min Temperature, <i>GLOBE</i></li><li>Precipitation, <i>GLOBE</i></li><li>Wind Direction, <i>GLOBE</i></li></ul>	<b>Forces and Interactions</b> <i>To include:</i> <ul style="list-style-type: none"><li>Motion and Design, <i>STC</i></li><li>The Attraction is Obvious: Designing Maglev Systems, <i>EiE</i></li></ul>	
4	<b>Energy and Waves</b> <i>To include:</i> <ul style="list-style-type: none"><li>Electric Circuits, <i>STC</i></li><li>Energy Works, <i>BBS</i></li></ul>		<b>Water and Landforms</b> <i>To include:</i> <ul style="list-style-type: none"><li>Land and Water, <i>STC</i></li><li>Soil Characterization, <i>GLOBE</i></li></ul>	<b>Animal Studies</b> <i>To include:</i> <ul style="list-style-type: none"><li>Animal Studies, <i>STC</i></li></ul>
5	<b>Dynamics of Ecosystems</b> <i>To include:</i> <ul style="list-style-type: none"><li>Ecosystems, <i>STC</i></li><li>A Slick Solution, <i>EiE</i></li><li>Earth System Interactions, <i>GLOBE</i></li></ul>		<b>Matter and Interactions</b> <i>To include:</i> <ul style="list-style-type: none"><li>Mixtures and Solutions, <i>FOSS</i></li></ul>	<b>Earth: Gravity and Space</b> <i>To include:</i> <ul style="list-style-type: none"><li>A Long Way Down: Designing Parachutes, <i>EiE</i></li><li>Sundial, <i>GLOBE</i></li></ul>
6	<b>Understanding Weather and Climate, STC Secondary</b> <i>To also include:</i> <ul style="list-style-type: none"><li>Surface Temperature, <i>GLOBE</i></li><li>Barometric Pressure, <i>GLOBE</i></li><li>Relative Humidity, <i>GLOBE</i></li></ul>	<b>Exploring Plate Tectonics, STC Secondary</b>	<b>Researching the Sun-Earth-Moon System, STC Secondary</b>	<b>Exploring Planetary Systems, STC Secondary</b>

<b>7</b>	<b>Studying the Development and Reproduction of Organisms, STC Secondary</b> <i>To also include:</i> <ul style="list-style-type: none"> <li>• Soil Fertility, <i>GLOBE</i></li> <li>• Modeling Mendel's Laws, <i>HAIB</i></li> <li>• Chromosomes Meiosis, <i>HAIB</i></li> <li>• Genetics and Biotechnology, <i>HAIB</i></li> </ul>		<b>Investigating Biodiversity and Interdependence, STC Secondary</b> <i>To also include:</i> <ul style="list-style-type: none"> <li>• Project Learning Tree, <i>Alabama Forestry Association</i></li> </ul>	<b>Exploring Body Systems</b> <i>To include:</i> <ul style="list-style-type: none"> <li>• Investigating Digestion and Motion, <i>STC Secondary</i></li> <li>• Exploring Respiration and Circulation, <i>STC Secondary</i></li> </ul>
<b>8</b>	<b>Experimenting with Forces and Motion, STC Secondary</b>	<b>Electricity, Waves, and Information Transfer, STC Secondary</b>	<b>Exploring the Properties of Matter, STC Secondary</b>	<b>Experimenting with Mixtures, Compounds, and Elements, STC Secondary</b> <i>To also include:</i> <ul style="list-style-type: none"> <li>• Electrical Conductivity, <i>GLOBE</i></li> </ul>

Vendors who supply the above curricular materials include:

- Alabama Forestry Association: Project Learning Tree
- Boston Museum of Science and ETA: Engineering is Elementary (EiE)
- Carolina Biological: Building Blocks of Science (BBS); Hudson Alpha Institute for Biotechnology (HAIB); Science and Technology Concepts (STC)
- ETA: ETA/hand2mind
- Forestry Suppliers: Global Learning and Observations to Benefit the Environment (GLOBE)
- Kendall Hunt Publishing: Insights
- School Specialty: Full Option Science System (FOSS) and Delta