

	Social Studies	Science	Other <i>and Optional</i>
K	<p>Our Place on the Earth</p> <ul style="list-style-type: none"> <li>including ourselves, our families, our school, neighborhood, city, state, country and continent</li> <li>Introduction to maps and globes</li> </ul> <p>World Journey:</p> <ul style="list-style-type: none"> <li>The 7 continents</li> <li>World myths and folktales, lives of children, arts and crafts, games, music, dance, food, and languages</li> <li>World figures including artists and peacemakers</li> <li>World holidays and seasonal and spiritual celebrations</li> </ul> <p>National Holidays</p> <p>U.S. Heroes and Leaders</p> <p>Elections</p>	<p>Seasonal cycles</p> <p>Butterflies</p> <p>Trees</p> <p>Rainforest Biome</p> <p>World animals</p> <p>The 4 elements: individually and how they are interconnected</p> <ul style="list-style-type: none"> <li>Water: Water cycle</li> <li>Fire: The Sun, light and shadows, rainbows, volcanoes</li> <li>Earth: Rocks, fossils and dinosaurs, soil</li> <li>Air: Experiencing the unseen, wind</li> </ul> <p>The 5 Senses</p> <p>States of Matter</p> <p>Conservation - Reduce, Reuse, Recycle</p> <p>Citizen Science</p>	<p>Nutrition</p> <p>Germ defense</p>
1st	<p>Immigrants</p> <p>Appalachia</p> <p>Africa - tribes, tribal spirituality</p> <p>Island culture - including Caribbean religion &amp; myths</p>	<p>Trees</p> <p>Nutrition</p> <p>Biomes</p> <ul style="list-style-type: none"> <li>Overview</li> <li>Biome comparisons</li> <li>Web of life</li> </ul> <p>Water cycle</p> <p>Rivers to oceans</p> <p>Ocean Layers</p> <p>Ocean biome</p>	<p>Germ defense</p> <p>Health &amp; hygiene</p> <p>Where our water comes from &amp; where it goes.</p> <p>Rock classification</p>

		<p>Aquatic animals - fish, amphibians</p> <p>Citizen Science</p>	
2nd	<p>Roles in the Community/ Basic Human Needs</p> <p>Native American myth &amp; religion</p> <ul style="list-style-type: none"> <li>• Cherokee</li> </ul> <p>Primitive skills</p> <p>Map Skills</p> <p>Continents and Countries</p> <p>Fables &amp; fairy tales</p>	<p>Weather and Water</p> <p>Naturalist skills</p> <p>Insects</p> <p>Animals in Winter</p> <p>Intro to Scientific Method/ Experiments</p> <p>Citizen Science</p>	<p>Fire safety</p> <p><i>PIP (personal interest project)</i></p> <p><i>Other Native American Tribes</i></p> <p><i>Basic Animal Classification</i></p>
3rd	<p>Community</p> <p>US Regions, Landmarks, Landforms, and Heroes</p> <p>Map and Compass Skills</p> <p>Cradle of Civilization/ Creation Myths</p>	<p>Environment</p> <p>Solar System</p> <p>Human Body</p> <p>Dinosaurs, Reptiles, and Birds</p> <p>Simple Machines/ Inventions/ Design and Engineering</p> <p>*Intro to Scientific Method</p> <p>Citizen Science</p>	
4th	<p>Archeology</p> <p>Ancient Civilizations</p> <p>Mythologies for Egypt, Greece and Rome</p>	<p>Botany - nutrition, organic &amp; sustainable</p> <p>Electricity</p> <p>Landforms, rock cycle, basic principles of geology</p> <p>Citizen Science</p>	<p>Personal Interest Project</p> <p>Pen pal geography (with focus on countries and states).</p>

	Christian myths and religion		Endangered Animals
5th	<p>Community</p> <p>American Colonization</p> <p>Revolutionary War</p> <p>Civics: Founding Documents (emphasizing Bill of Rights, presidents, and U.S. state study)</p> <p>Map work/Orienteering</p> <p>Lewis &amp; Clark</p> <p>Civil War</p>	<p>Ecosystems</p> <p>Magnetism</p> <p>River health &amp; erosion</p> <p>River diversions</p> <p>Microorganisms</p> <p>Citizen Science</p>	<p>PIP (Personal Interest Project)</p> <p>World Colonization</p> <p>Colonial practical skills</p> <p>Worm composting</p>
6th	<p>Europe during the Middle Ages</p> <p>Origin and foundational texts and beliefs of world religions</p> <ul style="list-style-type: none"> <li>● Hinduism</li> <li>● Christianity</li> <li>● Buddhism</li> <li>● Islam</li> <li>● Judaism</li> </ul> <p>World Indigenous Cultures</p> <ul style="list-style-type: none"> <li>● Ancient India</li> <li>● China</li> <li>● Mesoamerica (Aztecs, Inca, Maya)</li> </ul> <p>Changemakers: international human rights activists, recognizing local heroes</p> <p>Peace Jam</p>	<p>Forces in Motion - Newton's 3 laws of motion and simple machines</p> <p>Biome ecology</p> <p>Binomial classification of plants and animals</p> <p>Scientific method and engineering design process</p> <p>Journey North Mystery Class: global interactive study of sunlight and the seasons: calculating and graphing photoperiods of mystery locations around the globe.</p> <p>Citizen Science</p>	<p>Socially beneficial entrepreneurship (in the form of business plans/projects)</p> <p><i>Optional: Native American cultures and primitive skills.</i></p> <p><i>Optional: Middle East Trees</i></p>
7/8th (B)	<p>Enlightenment</p> <p>Industrial Revolution</p>	<p>Innovation and the Design Thinking Process</p> <p>Design Fair</p>	<p>Personal Interest Project</p>

	<p>Geography/ Resource Distribution</p> <p>World War I</p> <p>Great Depression/ Harlem Renaissance</p> <p>World War II/ World Colonization and Modern Empire Building</p> <p>Cold War</p> <p>Heritage &amp; Culture Project</p> <p>Current Events</p>	<p>Climate Chemistry: the Quest to Make the Invisible Visible</p> <ul style="list-style-type: none"> <li>• intro. to atoms, elements and the periodic table, chemical rxns</li> <li>• nature of carbon dioxide, atmospheric chemistry, CO2 levels through time and how scientists know</li> <li>• Carbon Cycle and changes accompanying the Industrial Revolution</li> </ul> <p>Tree Study (phenology, with Project Budburst)</p> <p>What is Life? Intro. to Biology</p> <p>Cell Structures and Functions, focus on photosynthesis</p> <p>Ecology explorations in Charleston</p>	<p><i>Optional:</i> <i>genealogy/ethnicity study</i></p> <p>Sex-ed Substance Prevention</p>
<p>7/8th (A)</p>	<p>Renaissance</p> <p>First Encounter/ Colonization</p> <p>American Revolution</p> <p>Civil War</p> <p>Civil Rights</p> <p>Social Revolution</p> <p>*Information Age/ Innovation Age</p> <p>Current Events</p>	<p>Watershed Ecology (including overnight at Davidson River)</p> <p>Nature of Science (including science processes and stories of scientists and their work)</p> <p>Science Fair</p> <p>Human Body</p> <p>Astronomy Intensive</p> <p>Spring Tree Study (phenology, with Project Budburst)</p> <p>Electromagnetic Spectrum</p> <p>Energy Transformations &amp; Renewable vs. Nonrenewable Energies</p> <p>Solar Boat Design Project</p>	<p>Tiny House Designs (Explorations)</p> <p>Sex-Ed</p>