

	Social Studies	Science	Other and Optional
K	<p>Our Place on the Earth</p> <ul style="list-style-type: none"> including ourselves, our families, our school, neighborhood, city, state, country and continent Introduction to maps and globes <p>World Journey:</p> <ul style="list-style-type: none"> The 7 continents World myths and folktales, lives of children, arts and crafts, games, music, dance, food, and languages World figures including artists and peacemakers World holidays and seasonal and spiritual celebrations <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"> Water: Water cycle Fire: The Sun, light and shadows, rainbows, volcanoes Earth: Rocks, fossils and dinosaurs, soil Air: Experiencing the unseen, wind <p>The 5 Senses</p> <p>States of Matter</p> <p>Conservation - Reduce, Reuse, Recycle</p> <p>Citizen Science</p> <p>Naturalist & Environmental Education Program</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 & myths</p>	<p>Trees</p> <p>Nutrition</p> <p>Biomes</p> <ul style="list-style-type: none"> Overview Biome comparisons Web of life <p>Water cycle</p> <p>Rivers to oceans</p>	<p>Germ defense</p> <p>Health & hygiene</p> <p>Where our water comes from & where it goes.</p> <p>Rock classification</p>

		<p>Ocean Layers Ocean biome</p> <p>Aquatic animals - fish, amphibians</p> <p>Citizen Science</p> <p>Naturalist & Environmental Education Program</p>	
2nd	<p>Roles in the Community/ Basic Human Needs</p> <p>Native American myth & religion</p> <ul style="list-style-type: none"> Cherokee <p>Primitive skills</p> <p>Map Skills</p> <p>Continents and Countries</p> <p>Fables & 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>Naturalist & Environmental Education Program</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> <p>Naturalist & Environmental Education Program</p>	

4th	<p>Archeology</p> <p>Ancient Civilizations</p> <p>Mythologies for Egypt, Greece and Rome</p> <p>Christian myths and religion</p>	<p>Botany - nutrition, organic & sustainable</p> <p>Electricity</p> <p>Landforms, rock cycle, basic principles of geology</p> <p>Citizen Science</p> <p>Naturalist & Environmental Education Program</p>	<p>Personal Interest Project</p> <p>Pen pal geography (with focus on countries and states).</p> <p>Endangered Animals</p>
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 & Clark</p>	<p>Ecosystems</p> <p>River health & erosion</p> <p>French Broad Watershed</p> <p>Microorganisms</p> <p>Magnetism</p> <p>Citizen Science</p> <p>Naturalist & Environmental Education Program</p>	<p>PIP (Personal Interest Project)</p> <p>Colonial practical skills</p> <p>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"> ● Hinduism ● Christianity ● Buddhism ● Islam ● Judaism <p>World Indigenous Cultures</p> <ul style="list-style-type: none"> ● Ancient India ● China ● Mesoamerica (Aztecs, Inca, Maya) 	<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</i></p> <p><i>Trees</i></p>

	<p>Changemakers: international human rights activists, recognizing local heroes</p> <p>Peace Jam</p>	<p>Naturalist & Environmental Education Program</p>	
7/8th (B)	<p>Enlightenment</p> <p>Industrial Revolution</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 & Culture Project</p> <p>Current Events</p>	<p>Innovation and the Design Thinking Process</p> <p>Design Fair</p> <p>Climate Chemistry: the Quest to Make the Invisible Visible</p> <ul style="list-style-type: none"> • intro. to atoms, elements and the periodic table, chemical rxns • nature of carbon dioxide, atmospheric chemistry, CO2 levels through time and how scientists know • Carbon Cycle and changes accompanying the Industrial Revolution <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>Naturalist & Environmental Education Program</p>	<p>Personal Interest Project</p> <p><i>Optional: genealogy/ethnicity study</i></p> <p>Sex-ed</p> <p>Substance Prevention</p>
7/8th (A)	<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 & Renewable vs. Nonrenewable Energies</p>	<p>Tiny House Designs (Explorations)</p> <p>Sex-Ed</p>

		Solar Boat Design Project Naturalist & Environmental Education Program	
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