



# Science Curriculum Map Topic Summary

4K	5K	1st	2nd	3rd	4th	5th	6th
<p><b>Animals</b></p> <ul style="list-style-type: none"> <li>- Mammals</li> <li>- Basic needs</li> <li>- Similarities and differences</li> <li>- Heredity</li> <li>- Parts</li> <li>- Classification</li> <li>- 5 Senses</li> </ul> <p><b>Human Body</b></p> <ul style="list-style-type: none"> <li>- Parts</li> <li>- Feelings</li> <li>- Systems</li> </ul> <p><b>Exploration Topics</b></p> <ul style="list-style-type: none"> <li>- Magnets</li> <li>- Balls/Ramps</li> <li>- Color Mixing</li> <li>- Sink/Float               <ul style="list-style-type: none"> <li>o Predictions</li> <li>o Properties of matter</li> <li>o Density</li> <li>o Shape</li> <li>o Buoyancy</li> </ul> </li> <li>- Plants               <ul style="list-style-type: none"> <li>o Basic needs</li> <li>o Parts</li> <li>o Growth cycle</li> </ul> </li> </ul>	<p><b>Earth Materials</b></p> <ul style="list-style-type: none"> <li>- Rocks, Sand, and Soil</li> <li>- Properties of Matter</li> <li>- Mixing and sorting materials</li> <li>- What is matter?</li> <li>- Can matter change?</li> </ul> <p><b>Organisms</b></p> <ul style="list-style-type: none"> <li>- Plants</li> <li>- Animals (Fish)</li> <li>- Humans</li> <li>- Classification</li> <li>- Living v. Non-living objects</li> </ul>	<p><b>Air and Weather</b></p> <ul style="list-style-type: none"> <li>- Water Cycle</li> <li>- Types of clouds</li> <li>- Types of weather</li> <li>- Tools of weather</li> </ul> <p><b>Life Cycles</b></p> <ul style="list-style-type: none"> <li>- Caterpillar anatomy</li> <li>- Butterfly anatomy</li> <li>- Life cycle of a butterfly</li> <li>- Insects</li> <li>- Butterfly habitat</li> <li>- Adaptation</li> <li>- Animal Classification</li> </ul> <p><b>Natural Resources / Recycling</b></p> <ul style="list-style-type: none"> <li>- Paper recycling Process</li> <li>- Impact on Environment</li> <li>- Solutions</li> </ul>	<p><b>Our Earth</b></p> <ul style="list-style-type: none"> <li>- Geologists</li> <li>- The rock cycle</li> <li>- Types of rocks</li> <li>- Layers of the Earth</li> <li>- Fossils</li> <li>- Earthquakes</li> </ul> <p><b>Plant Growth</b></p> <ul style="list-style-type: none"> <li>- Life cycle of a plant</li> <li>- Parts of a plant</li> <li>- Flower anatomy</li> <li>- Photosynthesis</li> <li>- Habitat</li> </ul>	<p><b>Magnetism and Electricity</b></p> <ul style="list-style-type: none"> <li>- Magnetism</li> <li>- Electric current</li> <li>- Simple circuits</li> <li>- Series and Parallel Circuits</li> <li>- Conductors/insulators</li> <li>- Renewable and Non-renewable Energy</li> <li>- Friction</li> </ul> <p><b>Physics of Superheroes</b></p> <ul style="list-style-type: none"> <li>- Force and motion</li> <li>- Simple machines</li> </ul>	<p><b>Delaware Bay</b></p> <ul style="list-style-type: none"> <li>- Salt/Fresh Water</li> <li>- Wetlands/Watersheds</li> <li>- Aquaria</li> <li>- Terraria</li> <li>- Food Webs</li> <li>- Stable and Disturbed Ecocolumns</li> <li>- Drinking water</li> <li>- Tides</li> <li>- Atlantic Ocean</li> </ul> <p><b>States of Matter Experimentation</b></p> <ul style="list-style-type: none"> <li>- To be developed</li> </ul> <p><b>PSSA Review</b></p> <ul style="list-style-type: none"> <li>- Biology</li> <li>- Physical Science</li> <li>- Chemistry and Physics</li> <li>- Earth Sciences</li> </ul>	<p><b>Astronomy</b></p> <ul style="list-style-type: none"> <li>- Solar System</li> <li>- Planets</li> <li>- Stars</li> <li>- Asteroids</li> <li>- Comets</li> <li>- Meteors</li> <li>- Gravity</li> <li>- Astronomers and tools</li> </ul> <p><b>Ecology and Climate</b></p> <ul style="list-style-type: none"> <li>- Air quality and pollutants</li> <li>- Ozone</li> <li>- Greenhouse effect</li> <li>- Air Masses and Wind Patterns</li> <li>- Cloud types</li> <li>- Barometric pressure</li> <li>- Natural Selection</li> <li>- Adaptation/Change</li> <li>- Impact on Biomes</li> </ul>	<p><b>Sound and Light</b></p> <ul style="list-style-type: none"> <li>- Characteristics of light</li> <li>- Mirrors</li> <li>- Characteristics of sound</li> <li>- Parts of an ear</li> <li>- How light travels</li> <li>- How shadows are created</li> </ul> <p><b>Cells, Heredity &amp; Classification</b></p> <ul style="list-style-type: none"> <li>- Genetics Traits and Inheritance</li> <li>- Pathways of evolution</li> <li>- Cells and cell structure</li> <li>- Systems of the Human Body</li> </ul>
<b>Health, Hygiene and Nutrition</b>	<b>Health, Hygiene and Nutrition</b>	<b>Health, Hygiene and Nutrition</b>	<b>Health, Hygiene and Nutrition</b>	<b>Health, Hygiene and Nutrition</b>	<b>Health, Hygiene and Nutrition</b>	<b>Health, Hygiene and Nutrition</b>	<b>Health, Hygiene and Nutrition</b>

Note: All of the subtopics listed under the main topic are content items to be covered during the study.

Revised as of 1/31/2011