



Science Curriculum Map Topic Summary

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

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

Revised as of 6/19/09