

Elementary Science Content

	Kindergarten	1 st Grade	2 nd Grade
Life Science	<p>Plants & Animals:</p> <ul style="list-style-type: none"> - Living and Nonliving Things <ul style="list-style-type: none"> ○ Characteristics ○ Categorizing - Plant & Animal Changes <ul style="list-style-type: none"> ○ Animal Life Cycle ○ Compare/Contrast Young Animal with Adults ○ Plants through the Seasons - Structure & Behavior <ul style="list-style-type: none"> ○ Compare/Contrast Two Animals/Insects 	<p>Plants:</p> <ul style="list-style-type: none"> - Sustaining Life <ul style="list-style-type: none"> ○ Keeping Plants Alive - Life Cycle <ul style="list-style-type: none"> ○ Grow & Change ○ Compare/Contrast Young Plant with Adult ○ Habitat Influences - Plant Parts <ul style="list-style-type: none"> ○ Identify ○ Function 	<p>Animals:</p> <ul style="list-style-type: none"> - Sustaining Life <ul style="list-style-type: none"> ○ Keeping Animals/Insects Alive - Life Cycle <ul style="list-style-type: none"> ○ Grow & Change ○ Compare/Contrast Young Animal with Adult ○ Habitat Influences - Extinction <ul style="list-style-type: none"> ○ Characteristics of Extinct Animals ○ Compare/Contrast Extinct & Living Animals
Physical Science		<p>Solids & Liquids:</p> <ul style="list-style-type: none"> - Properties <ul style="list-style-type: none"> ○ Matter ○ Characteristics ○ Compare/Contrast - Property Changes <ul style="list-style-type: none"> ○ Heating, Melting Cooling ○ Reversible vs. Irreversible - Combinations <ul style="list-style-type: none"> ○ Adding Solids & Liquids to Water 	<p>Energy & Motion:</p> <ul style="list-style-type: none"> - Forms of Energy <ul style="list-style-type: none"> ○ Sun, Heat and Wind - Light <ul style="list-style-type: none"> ○ Travel & Directional Change - Motion <ul style="list-style-type: none"> ○ Types ○ Effect of Pushes & Pulls on Objects ○ Energy Causes Motion
Earth Science		<p>Sun & Moon:</p> <ul style="list-style-type: none"> - Location <ul style="list-style-type: none"> ○ Sun/Moon Movement - Shadows <ul style="list-style-type: none"> ○ Shadow Changes - Sunrise/Sunset <ul style="list-style-type: none"> ○ Seasonal Changes - Moon Appearance <ul style="list-style-type: none"> ○ Moon Shape 	<p>Water & Weather:</p> <ul style="list-style-type: none"> - Bodies of Water <ul style="list-style-type: none"> ○ Characterize as fresh & salt ○ Compare/Contrast - Water Forms <ul style="list-style-type: none"> ○ Properties ○ Solid, Liquid, Gas ○ Evaporation and Condensation - Weather <ul style="list-style-type: none"> ○ Time Affects Temperature (Day/Season) ○ Weather Instruments ○ Weather Effect on Decisions

Elementary Science Content

	3 rd Grade	4 th Grade	5 th Grade
Life Science	<p><u>Plants & Animals:</u></p> <ul style="list-style-type: none"> - Characteristics <ul style="list-style-type: none"> ○ Categorize Living Things ○ Compare/Contrast Life Cycles of Plants & Animals - Structure <ul style="list-style-type: none"> ○ Plant Structures - Resources <ul style="list-style-type: none"> ○ Soil ○ Products/By-Products for Plants & Animals ○ Types & Uses of Earth Materials - Agriculture <ul style="list-style-type: none"> ○ Agricultural Technology 	<p><u>Plants & Animals:</u></p> <ul style="list-style-type: none"> - Plant Reproduction <ul style="list-style-type: none"> ○ Reproductive Plant Parts ○ Compare/Contrast Pollinating/Non-pollinating ○ Environmental Effects - Adaptation <ul style="list-style-type: none"> ○ Plant & Animal ○ Inherited vs. Acquired Traits & Behaviors - Ecosystem <ul style="list-style-type: none"> ○ Components ○ Role/Relationship of Components ○ Ecosystem Modeling 	<p><u>Plants & Animals:</u></p> <ul style="list-style-type: none"> - Cells <ul style="list-style-type: none"> ○ Compare/Contrast Plant & Animal Cells - Life Cycle <ul style="list-style-type: none"> ○ Compare/Contrast Life Cycles of Different Animals - Adaptation <ul style="list-style-type: none"> ○ Changes to Inherited Characteristics - Extinction <ul style="list-style-type: none"> ○ Endangered Species ○ Weather Changes ○ Extinction Theories
Physical Science	<p><u>Matter & Change:</u></p> <ul style="list-style-type: none"> - Matter <ul style="list-style-type: none"> ○ Characteristics - Properties <ul style="list-style-type: none"> ○ Classify & Compare/Contrast - Physical Changes <ul style="list-style-type: none"> ○ States of Matter Changes - Reactions <ul style="list-style-type: none"> ○ Reactions Change Properties 	<p><u>Electricity & Sound:</u></p> <ul style="list-style-type: none"> - Magnetism <ul style="list-style-type: none"> ○ Identify/Classify as Magnetic and Non-magnetic - Electricity <ul style="list-style-type: none"> ○ Types of Energy ○ Conductors/Insulators ○ Circuits - Sound <ul style="list-style-type: none"> ○ Vibrations - Light <ul style="list-style-type: none"> ○ Reflect Refract & Absorb 	<p><u>Motion & Energy:</u></p> <ul style="list-style-type: none"> - Motion <ul style="list-style-type: none"> ○ Changes in Motion (Causes/Observations) - Energy <ul style="list-style-type: none"> ○ Types of Energy ○ Potential to/from Kinetic ○ Connection Between Light & Heat
Earth Science	<p><u>Water & Weather:</u></p> <ul style="list-style-type: none"> - Water Cycle <ul style="list-style-type: none"> ○ Components ○ Weather Affects Type of Precipitation ○ Review Bodies of Water ○ Role of Watershed/Wetland ○ Water Resources Benefits to Humans ○ Human Impact - Weather & Climate <ul style="list-style-type: none"> ○ Weather Patterns ○ Weather Maps ○ Basic Cloud Types ○ Compare/Contrast Weather & Climate 	<p><u>Astronomy:</u></p> <ul style="list-style-type: none"> - Earth <ul style="list-style-type: none"> ○ Rotation and Revolution ○ Sun/Stars/Moon Perception ○ Effect on Seasons & Days - Solar System <ul style="list-style-type: none"> ○ Definition/Model of Solar System, Galaxy & Universe ○ Order of Planets ○ Telescopes - Lunar Phases <ul style="list-style-type: none"> ○ Name & Describe Observable Shapes ○ Progression of Lunar Phases 	<p><u>Geology:</u></p> <ul style="list-style-type: none"> - Land Forms <ul style="list-style-type: none"> ○ Basic Landforms & Layers ○ Model of Tectonic Plates ○ Compare/Contrast Constructive & Destructive Forces on Landforms - Materials <ul style="list-style-type: none"> ○ Properties & Uses of Rocks, Soil & Water - Resources <ul style="list-style-type: none"> ○ Renewable & Nonrenewable Resources ○ Compare/Contrast Cost & Benefits - Fossils <ul style="list-style-type: none"> ○ Plant & Animal Fossils ○ Fossilization