

# KEY LEARNINGS: SCIENCE CHART

2009-2011

	Life	Health	Physical	Earth
<b>K</b>	<ul style="list-style-type: none"> <li>Worms/Insects/Spiders</li> </ul>	<ul style="list-style-type: none"> <li>Home/School Safety</li> </ul>	<ul style="list-style-type: none"> <li>Simple Measurement</li> <li>Observation</li> <li>Light/Colors</li> </ul>	<ul style="list-style-type: none"> <li>Air</li> <li>Land</li> <li>Water</li> <li>Ecology</li> <li>Seasons</li> </ul>
<b>1</b>	<ul style="list-style-type: none"> <li>Animals                             <ul style="list-style-type: none"> <li>Characteristics</li> <li>Classification</li> <li>Fish</li> <li>Birds</li> <li>Reptiles &amp; Amphibians</li> <li>Mammals</li> </ul> </li> <li>Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Mental/Emotional Health                             <ul style="list-style-type: none"> <li>Decision Making</li> <li>Self Concept</li> <li>Emotions</li> </ul> </li> <li>Family/Social Health                             <ul style="list-style-type: none"> <li>Family Living</li> </ul> </li> <li>Family Structure                             <ul style="list-style-type: none"> <li>Relationships</li> </ul> </li> <li>Health Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Heat</li> <li>Energy/Waves</li> <li>Sound</li> <li>Light                             <ul style="list-style-type: none"> <li>Colors/Mirrors/Lenses</li> </ul> </li> <li>Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Meteorology                             <ul style="list-style-type: none"> <li>General Information</li> <li>Weather Elements                                     <ul style="list-style-type: none"> <li>General Information</li> <li>Climate</li> <li>Seasons</li> </ul> </li> <li>Atmosphere</li> <li>Water (Hydrologic)                                     <ul style="list-style-type: none"> <li>Cycle</li> </ul> </li> <li>Weather Effects</li> </ul> </li> <li>Earth Science Scope &amp; Careers</li> </ul>
<b>2</b>	<ul style="list-style-type: none"> <li>Human Body                             <ul style="list-style-type: none"> <li>Organization</li> <li>Sense Organs</li> <li>Teeth, Skeletal/Muscular System</li> <li>Respiratory/Circulatory System</li> <li>Immune System</li> </ul> </li> <li>Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Human Body                             <ul style="list-style-type: none"> <li>Digestive/Excretory System</li> </ul> </li> <li>Nutrition                             <ul style="list-style-type: none"> <li>Nutrients</li> <li>Food Pyramid</li> <li>Dietary Guidelines</li> </ul> </li> <li>Safety/First Aid                             <ul style="list-style-type: none"> <li>Accidents</li> <li>First Aid</li> <li>Natural Disasters</li> <li>Public Safety</li> <li>Recreational Safety</li> </ul> </li> <li>Health Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Magnetism</li> <li>Electricity                             <ul style="list-style-type: none"> <li>General Information</li> <li>Static Electricity</li> <li>Current Electricity</li> </ul> </li> <li>Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Geology                             <ul style="list-style-type: none"> <li>Earth's Features</li> <li>Genesis Flood</li> <li>Earthquakes, Volcanoes</li> <li>Minerals, Rocks</li> <li>Erosion</li> <li>Weathering</li> </ul> </li> <li>Earth Science Scope &amp; Careers</li> </ul>
<b>3</b>	<ul style="list-style-type: none"> <li>Animals                             <ul style="list-style-type: none"> <li>Classification</li> <li>Growth/Development/Behavior</li> <li>Organisms</li> <li>Invertebrates &amp; Worms</li> <li>Insects/Anthropoids</li> <li>Arachnids</li> </ul> </li> <li>Genetics                             <ul style="list-style-type: none"> <li>Inheritance</li> </ul> </li> <li>Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Drugs                             <ul style="list-style-type: none"> <li>Decision Making</li> <li>Inhalants/Alcohol/Nicotine</li> <li>Drugs/Effects</li> <li>Medicines</li> </ul> </li> <li>Health Principles</li> <li>Biblical Principles</li> <li>Natural Laws</li> <li>Human Sexuality</li> <li>Health Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Force</li> <li>Friction/Gravity/Inertia</li> <li>Motion</li> <li>Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Origin of Universe</li> <li>Astronomy                             <ul style="list-style-type: none"> <li>History</li> <li>Space Exploration</li> </ul> </li> <li>Solar System                             <ul style="list-style-type: none"> <li>General Information</li> <li>Sun/Stars</li> <li>Moon</li> <li>Asteroids, Meteoroids &amp; Comets</li> </ul> </li> <li>The Universe                             <ul style="list-style-type: none"> <li>Constellations</li> </ul> </li> <li>Earth Science Scope &amp; Careers</li> </ul>
<b>4</b>	<ul style="list-style-type: none"> <li>Plants                             <ul style="list-style-type: none"> <li>Classification</li> <li>Structure &amp; Function</li> <li>Growth/Life Cycle</li> <li>Photosynthesis</li> <li>Reproduction</li> <li>Importance</li> <li>Algae/Fungi</li> </ul> </li> <li>Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Health                             <ul style="list-style-type: none"> <li>Health Care</li> <li>Preventative/Curative</li> </ul> </li> <li>Community Health                             <ul style="list-style-type: none"> <li>Education &amp; Resources</li> </ul> </li> <li>Diseases                             <ul style="list-style-type: none"> <li>Communicable Diseases &amp; Immune System</li> <li>Disease Transmission</li> </ul> </li> <li>Health Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry                             <ul style="list-style-type: none"> <li>Matter</li> <li>Atomic Structure</li> <li>Mixtures &amp; Compounds</li> </ul> </li> <li>Energy/Work                             <ul style="list-style-type: none"> <li>Basic Energy</li> <li>Potential/Kinetic Energy</li> <li>Simple Machines</li> <li>Work/Power</li> </ul> </li> <li>Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>Creation &amp; Evolution</li> <li>Geology                             <ul style="list-style-type: none"> <li>Fossils</li> <li>Dinosaurs</li> </ul> </li> <li>Ecology                             <ul style="list-style-type: none"> <li>General Information</li> <li>Communities/Population</li> <li>Food Chain</li> <li>Natural Resources</li> <li>Environmental Issues</li> </ul> </li> <li>Earth Science Scope &amp; Careers</li> </ul>

# KEY LEARNINGS: SCIENCE CHART

2009-2011

	Life	Health	Physical	Earth
<b>5</b>	<ul style="list-style-type: none"> <li>• Living Things                             <ul style="list-style-type: none"> <li>Characteristics</li> <li>Classification</li> </ul> </li> <li>• Animals                             <ul style="list-style-type: none"> <li>Fish</li> <li>Birds</li> <li>Reptiles &amp; Amphibians</li> <li>Mammals</li> <li>Animal Behavior</li> </ul> </li> <li>• Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Personal Mental Health                             <ul style="list-style-type: none"> <li>Personality</li> <li>Self-concept</li> <li>Emotional Health</li> </ul> </li> <li>• Interpersonal Mental Health                             <ul style="list-style-type: none"> <li>Relationships</li> <li>Child Abuse</li> </ul> </li> <li>• Human Sexuality                             <ul style="list-style-type: none"> <li>Development</li> <li>Conception to Birth</li> <li>Puberty</li> <li>Reproduction</li> <li>Reproductive System</li> <li>Sexual Behavior</li> </ul> </li> <li>• Health Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Heat</li> <li>• Energy/Waves                             <ul style="list-style-type: none"> <li>General Information</li> <li>Electromagnetic Spectrum</li> </ul> </li> <li>• Sound</li> <li>• Light                             <ul style="list-style-type: none"> <li>General Information</li> <li>Colors</li> <li>Mirrors/Lenses/Lasers</li> </ul> </li> <li>• Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Meteorology                             <ul style="list-style-type: none"> <li>Weather &amp; Climate</li> <li>General Information</li> <li>Weather Elements</li> <li>Climate</li> <li>Atmosphere</li> <li>General Information</li> <li>Air Pressure</li> <li>Water (Hydrologic) Cycle</li> </ul> </li> <li>• Oceanography                             <ul style="list-style-type: none"> <li>World Ocean, Sea Floor</li> <li>Environments</li> <li>Life</li> <li>Resources</li> <li>Seawater</li> <li>Tides/Currents/Waves</li> </ul> </li> <li>• Earth Science Scope/Careers</li> </ul>
<b>6</b>	<ul style="list-style-type: none"> <li>• Cells                             <ul style="list-style-type: none"> <li>General Information</li> <li>Cell Theory</li> <li>Characteristics</li> <li>Structure</li> <li>Cytoplasm/Nucleus/DNA</li> <li>Relationship to chemistry</li> <li>Processes</li> </ul> </li> <li>• Human Body                             <ul style="list-style-type: none"> <li>Organization</li> <li>Sense Organs</li> <li>Skeletal, Muscular &amp;</li> </ul> </li> <li>• Integumentary Systems                             <ul style="list-style-type: none"> <li>Respiratory &amp; Circulatory</li> <li>Nervous System</li> </ul> </li> <li>• Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Human Body                             <ul style="list-style-type: none"> <li>Digestive System</li> <li>Excretory System</li> </ul> </li> <li>• Nutrition                             <ul style="list-style-type: none"> <li>Nutrients</li> <li>Food Pyramid &amp; Dietary</li> </ul> </li> <li>• Guidelines</li> <li>• Weight Issues                             <ul style="list-style-type: none"> <li>Body Composition, Weight</li> <li>Calories/Metabolism</li> <li>Eating Disorders</li> </ul> </li> <li>• Safety/First Aid</li> <li>• Accidents</li> <li>• Natural Disasters</li> <li>• Health Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Magnetism</li> <li>• Electricity                             <ul style="list-style-type: none"> <li>Static &amp; Current Electricity</li> <li>Safety, Generation</li> <li>Measurement</li> <li>Applications</li> <li>Circuits, Cells, Batteries</li> <li>Electronics</li> </ul> </li> <li>• Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Geology                             <ul style="list-style-type: none"> <li>Earth's Features</li> <li>Genesis Flood &amp; Ice Age</li> <li>Tectonics, Earthquakes</li> <li>Volcanoes</li> <li>Minerals/Rocks</li> <li>Erosion &amp; Weathering</li> </ul> </li> <li>• Earth Science Scope &amp; Careers</li> </ul>
<b>7</b>	<ul style="list-style-type: none"> <li>• Simple Animals                             <ul style="list-style-type: none"> <li>Invertebrates</li> <li>Sponges, Cnidarians &amp; Worms</li> <li>Mollusks &amp; Echinoderms</li> </ul> </li> <li>• Arthropods                             <ul style="list-style-type: none"> <li>General Characteristics</li> <li>Insects &amp; Arachnids</li> <li>Centipedes/millipedes &amp; Crustaceans</li> </ul> </li> <li>• Monerans (Bacteria)</li> <li>• Protista                             <ul style="list-style-type: none"> <li>General Information</li> <li>Algae &amp; Protozoans</li> </ul> </li> <li>• Fungi</li> <li>• Viruses                             <ul style="list-style-type: none"> <li>General Information</li> <li>HIV/AIDS</li> </ul> </li> <li>• Genetics</li> <li>• Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Drugs                             <ul style="list-style-type: none"> <li>General Information</li> <li>Effects</li> <li>Decision Making</li> </ul> </li> <li>• Human Sexuality                             <ul style="list-style-type: none"> <li>Sexual Feelings</li> <li>God's Plan &amp; Sexual Issues</li> <li>Sexual Behavior</li> </ul> </li> <li>• Health Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Force                             <ul style="list-style-type: none"> <li>Mass/Weight</li> <li>Basic Force</li> <li>Elastic, Nuclear &amp; Electric/ Magnetic Force</li> </ul> </li> <li>• Friction</li> <li>• Gravity</li> <li>• Motion                             <ul style="list-style-type: none"> <li>Basic Motion</li> <li>Laws of Motion</li> </ul> </li> <li>• Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Origin of Universe</li> <li>• Astronomy                             <ul style="list-style-type: none"> <li>Introduction</li> <li>History</li> <li>Space Exploration</li> <li>Telescopes</li> <li>Electromagnetic Radiation</li> <li>Solar System                                     <ul style="list-style-type: none"> <li>General Information</li> <li>Sun, Moon, Planets</li> <li>Asteroids, Meteoroids</li> <li>Comets</li> </ul> </li> <li>The Universe                                     <ul style="list-style-type: none"> <li>Light Year, Magnitude</li> <li>Stars, Constellations, Galaxies</li> </ul> </li> </ul> </li> <li>• Earth Science Scope &amp; Careers</li> </ul>
<b>8</b>	<ul style="list-style-type: none"> <li>• Plants                             <ul style="list-style-type: none"> <li>Classification</li> <li>Structure &amp; Function</li> <li>Processes                                     <ul style="list-style-type: none"> <li>Photosynthesis,</li> <li>Respiration,</li> <li>Transportation</li> </ul> </li> <li>Reproduction</li> <li>Responses</li> </ul> </li> <li>• Energy                             <ul style="list-style-type: none"> <li>Earth's Environment</li> <li>Earth's Resources</li> </ul> </li> <li>• Life Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Consumer Health                             <ul style="list-style-type: none"> <li>Preventative/Curative</li> <li>Health Care</li> </ul> </li> <li>• Community Health                             <ul style="list-style-type: none"> <li>Education &amp; Resources</li> </ul> </li> <li>• Teen Health Risks                             <ul style="list-style-type: none"> <li>Rick Factors &amp; Challenges</li> </ul> </li> <li>• Diseases                             <ul style="list-style-type: none"> <li>Communicable Diseases</li> <li>Immune System</li> <li>Disease Transmission</li> <li>STD's &amp; HIV/AIDS</li> </ul> </li> <li>• Health Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry                             <ul style="list-style-type: none"> <li>Matter</li> <li>Atomic Structure, Nucleus</li> <li>Mixtures</li> <li>Compounds</li> <li>Chemical Reactions</li> <li>Acids/Bases</li> </ul> </li> <li>• Energy Forms                             <ul style="list-style-type: none"> <li>Potential/Kinetic Energy</li> </ul> </li> <li>• Work &amp; Machines</li> <li>• Physical Science Scope &amp; Careers</li> </ul>	<ul style="list-style-type: none"> <li>• Creation</li> <li>• Evolution</li> <li>• Earth's Age</li> <li>• Fossil Record                             <ul style="list-style-type: none"> <li>Geologic Column, Fossils</li> <li>Dinosaurs</li> </ul> </li> <li>• Ecology                             <ul style="list-style-type: none"> <li>General Information</li> <li>Communities/Populations</li> <li>Food Chains</li> <li>Natural Resources</li> <li>Environmental Issues</li> </ul> </li> <li>• Life Science Scope &amp; Careers</li> </ul>

