

Grade Level: 5th						
Subject/Course: Science		Science (Order of the following topics may vary throughout the year)				
Month/ Quarter	Topic	Standards	Skills	Resources/Material s/Activities	Key Terminology	Assessments
1,2,3,4	Classifying Organisms	5-LS2	Students will discover: <ul style="list-style-type: none"> • How living things are classified • Characteristics that animals have • What vertebrates and invertebrates are 	Scott Foresman: Illinois Science	-classify -kingdom -phylum -class -species -vertebrate -invertebrate	Scott Foresman: Illinois Science
1,2,3,4	Cells to Systems	5-LS!	Students will discover: <ul style="list-style-type: none"> • The parts of cells • How cells form tissues and organs • How organs work together 	Scott Foresman: Illinois Science	-cell membrane -nucleus -cell wall -chloroplast -cytoplasm -vacuole -tissue -organ -organ system	Scott Foresman: Illinois Science
1,2,3,4	Human Body Systems	5-LS1	Students will discover: <ul style="list-style-type: none"> • How blood flows through your body • How you breathe • How you digest food 	Scott Foresman: Illinois Science	-artery -capillary -vein -valve -mucus -trachea -bronchioles -air sacs -esophagus	Scott Foresman: Illinois Science

1,2,3,4	Plants	5-LS1	<p>Students will discover:</p> <ul style="list-style-type: none"> • How plants make their own food • What stems and roots do • How plants reproduce • What affects plant growth 	Scott Foresman: Illinois Science	<ul style="list-style-type: none"> -photosynthesis -xylem -phloem -pollen -pollination -embryo -spore -tropism -growth hormone 	Scott Foresman: Illinois Science
1,2,3,4	Water on Earth	5-ESS2	<p>Students will discover:</p> <ul style="list-style-type: none"> • What Earth's oceans are like • Where to find Earth's fresh water • How water cycles through the environment • How clouds form and how they affect precipitation 	Scott Foresman: Illinois Science	<ul style="list-style-type: none"> -salinity -aquifer -water table -reservoir -condensation -evaporation -precipitation -sublimation -sleet 	Scott Foresman: Illinois Science
1,2,3,4	Weather Patterns		<p>Students will discover:</p> <ul style="list-style-type: none"> • What causes air currents • What kinds of bodies of air make up weather • How severe weather forms • How weather forecasts are made • How climate is 	Scott Foresman: Illinois Science	<ul style="list-style-type: none"> -convection current -air mass -front -anemometer -barometer -rain gauge -climate 	Scott Foresman: Illinois Science

			different from weather			
1,2,3,4	Earth's Changing Surface	5-ESS2	<p>Students will discover:</p> <ul style="list-style-type: none"> • What Earth's layers are • What causes earthquakes and volcanoes • How weathering and erosion change Earth's surface • How minerals and rocks are identified 	Scott Foresman: Illinois Science	<ul style="list-style-type: none"> -crust -mantle -core -plate -mechanical weathering -chemical weathering -igneous -sedimentary -metamorphic 	Scott Foresman: Illinois Science
1,2,3,4	Matter and Its Properties	5-PS1	<p>Students will discover:</p> <ul style="list-style-type: none"> • What the properties of matter are • The difference between atoms and molecules • How matter changes between solid, liquid, and gas forms • How to compare mixtures and solutions 	Scott Foresman: Illinois Science	<ul style="list-style-type: none"> -element -atom -proton -neutron -electron -compound -saturated -concentrated -dilute 	Scott Foresman: Illinois Science
1,2,3,4	***As time allows, the following topics will also be covered					

1,2,3,4	Interactions in Ecosystems	5-PS3 5-LS2	<p>Students will discover:</p> <ul style="list-style-type: none"> • What an ecosystem is • What land biomes are like • What water ecosystems are like • How organisms interact in an ecosystem • How energy moves through an ecosystem • How materials move through an ecosystem 	Scott Foresman: Illinois Science	-ecosystem -population -community -niche -habitat -energy pyramid -cycle	Scott Foresman: Illinois Science
1,2,3,4	Changes in Matter	5-PS1	<p>Students will discover:</p> <ul style="list-style-type: none"> • Ways that substances can change • How to describe and classify chemical reactions • How we can use chemistry to separate substances • How chemical technology improves our lives 	Scott Foresman: Illinois Science	-physical change -chemical change -combustion -reactant -product -chemical equation -polymer	Scott Foresman: Illinois Science
1,2,3,4	Forces and Motion	5-PS2	<p>Students will discover:</p> <ul style="list-style-type: none"> • How motion is measured • How forces 	Scott Foresman: Illinois Science	-velocity -force -work -power	Scott Foresman: Illinois Science

			<p>affect motion, work, and power</p> <ul style="list-style-type: none">• What Newton's laws of motion are• How simple machines make work easier		<p>-equilibrium -inertia -acceleration -machine</p>	
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