

St. Leo School 5th Grade Curriculum Map Science and Math

Month	Science	Math
August	<ul style="list-style-type: none"> *Identify needs met by a habitat *Ecosystems - biotic/abiotic factors *Understand levels of organization *Design an organism with special adaptations 	<ul style="list-style-type: none"> *Numeration to 100,000,000 *Adding and subtracting whole numbers and decimals
September	<ul style="list-style-type: none"> *Finish organism *Explain energy roles in food chains *Understand different interactions between organisms - predation, competition, mutualism, commensalism, parasitism *Science Fair - scientific method 	<ul style="list-style-type: none"> *Multiplying whole numbers *Dividing by 1-digit divisors
October	<ul style="list-style-type: none"> *Pine Mountain field study *Cycles of nature *Identify characteristics of different land and aquatic biomes *Create a biome *Science fair - plan and research project 	<ul style="list-style-type: none"> *Dividing by 2-digit divisors *Variables and expressions
November	<ul style="list-style-type: none"> *Complete biomes *Identify characteristics of wetlands *Science fair - execute and prepare project for presentation 	<ul style="list-style-type: none"> *Multiplying and dividing decimals *Shapes, angles, and geometry
December	<ul style="list-style-type: none"> *Cells - single and multicellular organisms, functions of cells *Plant kingdom - classification, structure, life cycle *Science Fair - presentations 	<ul style="list-style-type: none"> *Fractions and decimals *Adding and subtracting fractions and mixed numbers
January	<ul style="list-style-type: none"> *Investigate properties of matter - mass, volume, density, buoyancy, conductivity, magnetism 	<ul style="list-style-type: none"> *Multiplying and dividing fractions and mixed numbers

February	<ul style="list-style-type: none"> *Understand the structure of an atom *Write chemical formulas *Forces - properties and application, Newton's laws 	<ul style="list-style-type: none"> *Perimeter and area *Solids - surface area, volume
March	<ul style="list-style-type: none"> *Energy - potential, kinetic, sound, light, thermal *Light - lenses, spectrum of color, prisms 	<ul style="list-style-type: none"> *Measurement Units *Time and temperature *Solving and writing equations and inequalities
April	<ul style="list-style-type: none"> *Water- sources, precipitation, evaporation, condensation *Weather - patterns, climate, atmosphere *Conservation - soil, water, resources, alternative energy 	<ul style="list-style-type: none"> *Ratio and percent *understanding integers *Equations and graphs
May	<ul style="list-style-type: none"> *Wellness and disease prevention, immunizations, health practices, safety rules, drugs, alcohol and tobacco *Conservation of resources 	<ul style="list-style-type: none"> *Graphs and Data *Transformations, congruence, and symmetry *Probability