



Ridgeland School District 122
 Grade 4 Science Curriculum Map
 Correlated to the FOSS Next Generation Science Series

**** Strategies in reading informational text will be incorporated throughout the year****

Trimester 1	Trimester 2	Trimester 3
<p><u>Soil, Rocks, and Landforms</u> <u>Investigation 1: Soils and Weathering</u></p> <ul style="list-style-type: none"> • Soil Composition • Physical Weathering • Chemical Weathering • Schoolyard Soils <p><u>Investigation 2: Landforms</u></p> <ul style="list-style-type: none"> • Erosion and Deposition • Stream-Table Investigations • Schoolyard Erosion and Deposition • Fossil Evidence <p><u>Investigation 3: Mapping Earth's Surface</u></p> <ul style="list-style-type: none"> • Making a Topographic Map • Drawing a Profile • Mount St. Helen's Case Study • Rapid Changes <p><u>Investigation 4: Natural Resources</u></p> <ul style="list-style-type: none"> • Introduction to Natural Resources • Making Concrete • Earth Materials in Use <p><u>Standards</u> <u>4-ESS1-1, 4-ESS2-1, 4-ESS2-2, 4-ESS3-2, 3-5-ETS1-1</u></p>	<p><u>Energy</u> <u>Investigation 1: Energy and Circuits</u></p> <ul style="list-style-type: none"> • Lighting a Bulb • Conductors and Circuits • Series and Parallel Circuits • Solving the String of Lights Problem <p><u>Investigation 2: Force of Magnetism</u></p> <ul style="list-style-type: none"> • Magnets and Materials • Magnetic Fields • Magnetic Force <p><u>Investigation 3: Electromagnets</u></p> <ul style="list-style-type: none"> • Building an Electromagnet • Changing the Strength • Reinventing the Telegraph <p><u>Investigation 4: Energy Transfer</u></p> <ul style="list-style-type: none"> • Presence of Energy • Rolling Balls Down Slope • Collisions <p><u>Investigation 5: Waves</u></p> <ul style="list-style-type: none"> • Forms of Waves • Light Waves • Engineering with Solar Cells <p><u>Standards</u> <u>3-PS2-3, 3-PS2-4, 4-PS3-1, 4-PS3-2, 4-PS3-3, 4-PS3-4, 4-PS4-1, 4-PS4-2, 4-PS4-3, 3-5-ETS1-1, 3-5-ETS1-2, 3-5-ETS1-3</u></p>	<p><u>Environments</u> <u>Investigation 1: Environmental Factors</u></p> <ul style="list-style-type: none"> • Observing Mealworms • Designing Isopod Environments • Leaf-Litter Critters <p><u>Investigation 2: Ecosystems</u></p> <ul style="list-style-type: none"> • Designing an Aquarium • Food Chain and Food Webs • Population Simulation • Sound Off <p><u>Investigation 3: Brine Shrimp Hatching</u></p> <ul style="list-style-type: none"> • Setting Up the Experiment • Determining Range of Tolerance • Determining Viability • Variation in a Population <p><u>Investigation 4: Range of Tolerance</u></p> <ul style="list-style-type: none"> • Water or Salt Tolerance in Plants • Plant Patterns • Plant Adaptations <p><u>Standards</u> <u>4-LS1-1, 4-LS1-2, 3-LS4-1, 3-LS4-2, 3-LS4-3, 3-LS4-4, 4-ESS3-1</u></p>

