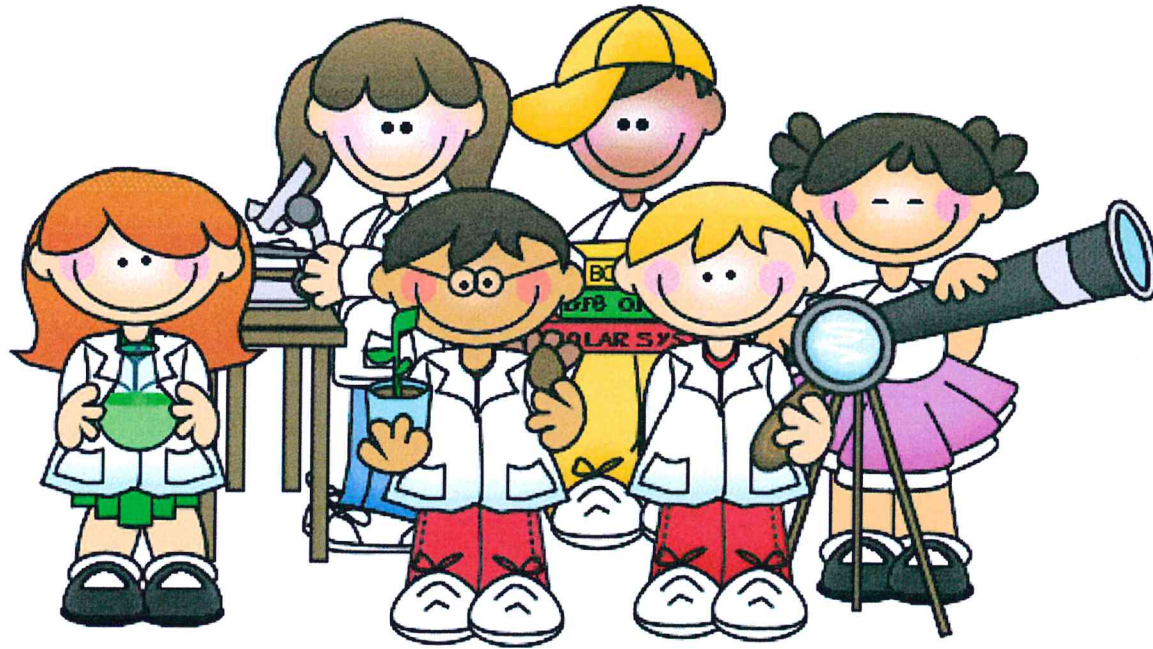


Lyndhurst Elementary Schools

Lyndhurst School District

Science Curricula Third Grade



Dr. James Corino
Superintendent

Adopted 2009

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Supervisor of Science

**Lyndhurst School District
Elementary School Map**

3rd Grade Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.3, 5.4				
September	What was the Earth like when dinosaurs lived? When did dinosaurs live? What are the characteristics of dinosaurs?	Dinosaurs in Time How Dinosaurs Lived Physical Characteristics of Dinosaurs	SWBAT: Understand the relationship between timelines and the dinosaur era. Classify the physical characteristics of dinosaurs.	Teacher generated materials Teacher generated notes Delta Readers-Dinosaurs and Fossils Integration of Technology	Teacher observations Tests Labs
Standards	5.1, 5.3, 5.4				
October	How are the dinosaurs classified? Why did the dinosaurs become extinct? Why are fossils important?	Classification of Dinosaurs Extinction of Dinosaurs Fossils	SWBAT: Learn how fossils are made. Observe fossils from different organisms. Classify dinosaurs Understand the meaning of dinosaur names.	Teacher generated materials Activity- making fossils Teacher generated notes Delta Readers-Dinosaurs and Fossils Integration of Technology	Teacher observations Tests Labs

**Lyndhurst School District
Elementary School Map**

3rd Grade	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.2				
November	<p>What is matter?</p> <p>What are the characteristics of a solid, liquid, and gas?</p> <p>Why are thermometers important?</p> <p>How does matter change?</p>	<p>Solids, liquids, and gas</p> <p>Tools of measurement- Thermometer</p> <p>States of Matter</p>	<p>SWBAT: Define matter. Explain how matter changes forms.</p> <p>Understand the difference between a solid, liquid, and gas.</p> <p>Give examples of a solid, liquid, and gas.</p> <p>Learn how to read a thermometer.</p>	<p>Teacher generated materials</p> <p>Phases of Matter activity</p> <p>Teacher generated notes</p> <p>Delta Readers- States of Matter</p> <p>Integration of Technology</p>	<p>Teacher observations</p> <p>Tests</p> <p>Labs</p>
Standards	5.1, 5.2				
December	<p>Why are experiments important in science?</p> <p>Why do some liquids freeze and melt?</p> <p>What is evaporation?</p> <p>What is condensation?</p> <p>What is insulation?</p>	<p>Experiments</p> <p>Melting point</p> <p>Boiling point</p> <p>Evaporation</p> <p>Condensation</p> <p>Insulation</p>	<p>SWBAT: Measure experimental results. Define and give examples of melting points. Define and give examples of boiling points. Compare and contrast evaporation and condensation. Define and give examples of insulation. Explain why insulation is important.</p>	<p>Teacher generated materials</p> <p>Teacher generated notes</p> <p>Delta Readers- States of Matter</p> <p>Integration of Technology</p>	<p>Teacher observations</p> <p>Tests</p> <p>Labs</p>

**Lyndhurst School District
Elementary School Map**

3rd Grade Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.4				
January	<p>Why is the sun important to humans and all things on Earth?</p> <p>How are the planets different from one another?</p> <p>Why are there stars in the sky?</p>	<p>Sun</p> <p>Planets</p> <p>Stars</p>	<p>SWBAT: Understand why the sun is important to humans and living things. Compare and contrast the planets. Understand why stars exist. Explain what life on Earth would be like without the Sun.</p>	<p>Teacher generated materials Planet report. Teacher generated notes Delta Readers-Solar System Integration of Technology</p>	<p>Teacher observations</p> <p>Tests</p> <p>Labs</p>
Standards	5.1, 5.4				
February	<p>What are the characteristics of the moon? Why is the moon so important? How does the Earth orbit? What is a light-year? How are days and years made? What is the difference between asteroids, meteors, and comets?</p>	<p>Moon</p> <p>Earth's orbit</p> <p>Light-year</p> <p>Asteroids</p> <p>Meteors</p> <p>Comets</p>	<p>SWBAT: List the characteristics of the moon. Explain the importance of the moon. Diagram the Earth's orbit. Define a light-year Relate days to years. Compare asteroids, meteors, and comets</p>	<p>Teacher generated materials Teacher generated notes Delta Readers-Solar System Integration of Technology- Moon Journal.</p>	<p>Teacher observations</p> <p>Tests</p> <p>Labs</p>

**Lyndhurst School District
Elementary School Map**

3 rd Grade Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.3				
March	What are the differences between living and nonliving? What are the characteristics of life? How are plant and animal cells different?	Living Nonliving Plant Cell Animal C	SWBAT: Compare and contrast living and nonliving things. Identify the basic parts of a plant cell. Identify the basic parts of an animal cell Compare and contrast the animal and plant cell. Explain the role of animal and plant parts.	Teacher generated materials Chart of cell parts and their functions. Teacher generated notes Delta Readers-Plant and Animal Life Cycles Integration of Technology	Teacher observations Tests Labs
Standards	5.1,5.3				
April	Why is the plant life cycle important? What is the best environment for plants to grow in? Why is the animal life cycle important? How are plants and animals different? Similar?	Plant life cycle Plant Growth Animal life cycle Comparison of plants and animals	SWBAT: Trace the plant life cycle. Trace the animal life cycle. Give examples of the plant and animal life cycle. Discuss what plant and animals need to live. Observe plant growth. Compare and contrast plants and animals.	Teacher generated materials Grow plants from seeds and observe plant cycle. Teacher generated notes Delta Readers-Plant and Animal Life Cycles Integration of Technology	Teacher observations Tests Labs

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Elementary School Map**

3rd Grade Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.3				
May	<p>What are the life stages of butterflies?</p> <p>What are the life stages of moths?</p> <p>How are butterfly and moth stages alike? Different?</p>	<p>Life stages of butterflies</p> <p>Life stages of moths</p>	<p>SWBAT: Observe the life stages of butterflies.</p> <p>Observe the life stages of moths.</p> <p>Compare and contrast the life stages of butterflies and moths.</p>	<p>Teacher generated materials</p> <p>Raising Butterflies</p> <p>Teacher generated notes</p> <p>Delta Readers- Butterflies and Moths</p> <p>Integration of Technology- Enchanted Learning website with stages of the butterfly</p>	<p>Teacher observations</p> <p>Tests</p> <p>Labs</p>
Standards	5.1, 5.3				
June	<p>How do animals survive?</p> <p>What types of adaptations do animals have?</p> <p>How does behavior affect the survival of animals?</p>	<p>Survival</p> <p>Adaptations</p> <p>Behavior</p>	<p>SWBAT: Give examples of how adaptations help animals survive.</p> <p>List animal adaptations</p> <p>Give examples of mimicry.</p> <p>Give examples of camouflage.</p>	<p>Teacher generated materials</p> <p>Camouflage activity.</p> <p>Teacher generated notes</p> <p>Delta Readers- Butterflies and Moths</p> <p>Integration of Technology</p>	<p>Teacher observations</p> <p>Tests</p> <p>Labs</p>

