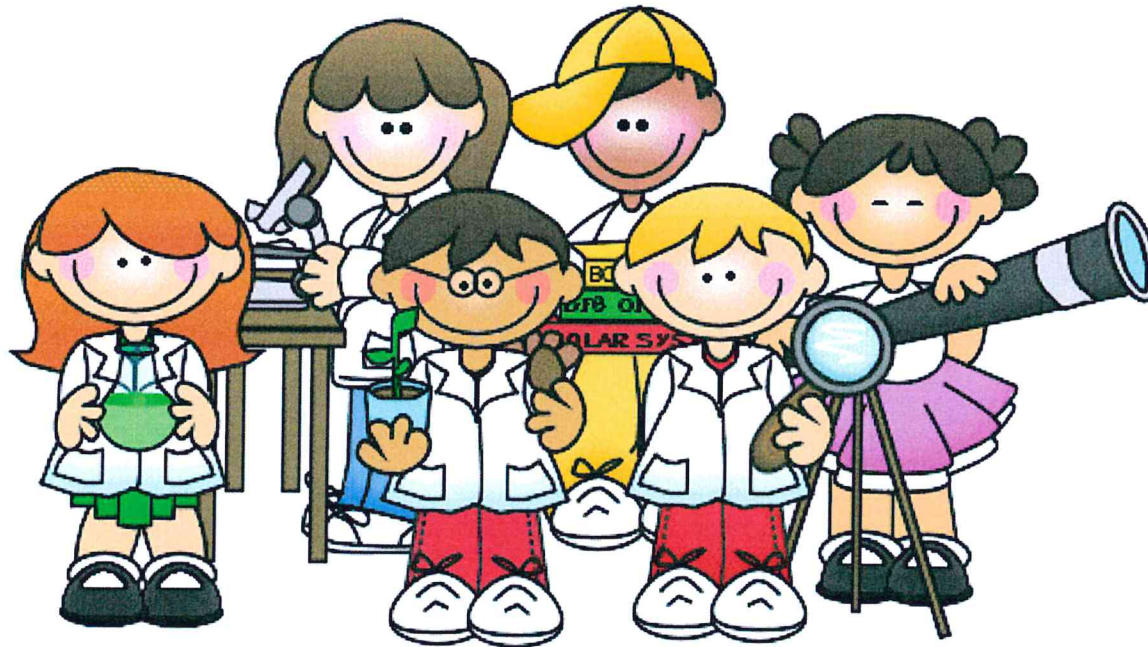


Lyndhurst Elementary Schools

Lyndhurst School District

Science Curricula Kindergarten



Dr. James Corino
Superintendent

Adopted 2009

Mrs. Madalena Zak
Supervisor of Science

**Lyndhurst School District
Elementary School Map**

Kindergarten Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.3				
September (3 weeks) Life	<p>What are the parts of the body and what do they do?</p> <p>What are the four basic food groups?</p> <p>What can we do to stay healthy?</p>	<p>About Me"- Life and the Body Parts</p> <p>Unit Vocabulary: Head, chin, ears, nose, mouth, shoulders, neck, waist, chest, knees, ankles, toes, elbows, wrists, fingers, feet, hands, hips, lips</p>	<p>SWBAT: Name the different body parts and their functions.</p> <p>Name the four basic food groups.</p> <p>Identify healthy foods.</p> <p>Practice good personal hygiene to maintain good health.</p>	<p>Read poems, stories, and sing songs.</p> <p>Learning center activities. Guided practice. Big Book- "About Me" Flannel Board. Hands-on Inquiry. Computer activities. Video Tapes</p>	<p>Teacher observations</p> <p>Copy Masters</p>
Standards	5.1, 5.3				
October (5 weeks) Life	<p>What are our senses?</p> <p>What organs allow us to see, hear, smell, and touch?</p>	<p>About Me"- Life and the Senses</p> <p>Unit Vocabulary: Eyes, see, light, dark, senses, ears, hear, sound, skin, touch, feel, smooth, rough, hard, nose, odors</p>	<p>SWBAT: Name the five senses and organs that are involved.</p> <p>Tell the function of each sense organ.</p>	<p>Read poems, stories, and sing songs.</p> <p>Learning center activities Guided practice Big Book- "About Me" Flannel Board Hands-on Inquiry Computer activities Video Tapes</p>	<p>Teacher observations</p> <p>Performance Testing</p>

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Elementary School Map**

Kindergarten Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.3				
November (2 weeks) Life (2 weeks)	<p>What do plants need to grow?</p> <p>What are seeds?</p> <p>How can we classify plants?</p> <p>What are the stages of animal development?</p> <p>How are body coverings used to classify plants?</p>	<p>Life- Plants & Seeds</p> <p>Unit Vocabulary: Seed, plant, root, stem, leaves, water, sunlight, soil, plants, leaves, classify, veins</p> <p>Life- Animals</p> <p>Unit Vocabulary: Fur, feathers, scales, shell, animal, baby, grow, parent, adult, egg,</p>	<p>SWBAT: Tell how leaves are used to classify plants.</p> <p>List the shapes, colors, and sizes of seeds.</p> <p>Observe seeds found in fruits and vegetables.</p>	<p>Read poems, stories, and sing songs.</p> <p>Learning center activities. Guided practice. Big Book- "Animals" Flannel Board. Hands-on Inquiry. Computer activities. Video Tapes</p>	<p>Teacher observations</p> <p>Performance Testing</p>
Standards	5.1, 5.3				
December (5 weeks) Life	<p>Where do plants and animals live?</p>	<p>Where do plants and animals live?</p>	<p>SWBAT: Name and identify the various land habitats of plants and animals.</p> <p>Name and identify various water habitats of plants and animals.</p>	<p>Read poems, stories, and sing songs.</p> <p>Learning center activities Guided practice Big Book- "Animals" Flannel Board Hands-on Inquiry Computer activities Video Tapes</p>	<p>Teacher observations</p> <p>Performance Testing</p>

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Kindergarten Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.3				
January Physical Science	What are objects made of? How do objects differ? What are the different colors? What are the different shapes?	Physical Science- Matter <u>Unit Vocabulary:</u> Color, purple, red, yellow, blue, green, black, white, brown, gray, orange, circle, triangle, rectangle, square, octagon, line, straight, sides, curved	<u>SWBAT:</u> Distinguish between and identify the different colors. Distinguish between and identify the different shapes of objects. Observe how objects differ in mass, number, and volume and relate to more or less	Read poems, stories, and sing songs. Learning center activities Guided practice Big Book- "How Do We Learn" Flannel Board. Hands-on Inquiry Computer activities Video Tapes	Teacher observations Performance Testing
Standards	5.1, 5.3				
February Physical Science	What is energy? What are some of the forms of energy? What do we need energy for? How do objects move? How does heat affect matter?	Physical Science- Energy <u>Unit Vocabulary:</u> Roll, slide, bounce, swing, direction, left, right, forward, backward, up, down, move, solid, cold, heat, melt, liquid, sound, soft	<u>SWBAT:</u> Tell why we need energy. Tell how objects can move in different ways and directions. Tell how heat affects matter. Discuss how sound varies in intensity.	Read poems, stories, and sing songs. Learning center activities Guided practice Big Book- Flannel Board Hands-on Inquiry Computer activities Video Tapes	Teacher observations Performance Testing

**Lyndhurst School District
Elementary School Map**

Kindergarten Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.3, 5.4				
March Earth Science	<p>What are the four seasons?</p> <p>What are the various weather conditions of the seasons?</p> <p>How are animals affected by the seasonal changes?</p>	<p>Earth Science- The Weather</p> <p>Unit Vocabulary: Weather, windy, cloudy, sunny, rainy, snowy, hot, cold, warm, cool, season, summer, fall, autumn, spring, wet, hibernate, migrate</p>	<p>SWBAT: Name the four seasons.</p> <p>Tell the weather conditions of each season.</p> <p>Relate how weather conditions affect, the way you dress.</p> <p>Tell how the seasonal changes affect plants and animals.</p>	<p>Read poems, stories, and sing songs.</p> <p>Learning center activities Guided practice Big Book- Flannel Board Hands-on Inquiry Computer activities Video Tapes</p>	<p>Teacher observations</p> <p>Test Performance</p>
Standards	5.1, 5.4				
April Earth Science	<p>What makes up the Earth?</p> <p>What are the different shapes of rocks?</p>	<p>Earth Science- The Earth</p> <p>Unit Vocabulary: Rounded, jagged, straight, boulders, mountain, valleys, oceans, smallest, largest, pebbles, hills, plains, streams, rivers, lakes</p>	<p>SWBAT: Identify the various land forms.</p> <p>Identify the various bodies of water.</p> <p>Discuss the different shapes and sizes of rocks.</p>	<p>Read poems, stories, and sing songs.</p> <p>Learning center activities Guided practice. Big Book- "Earth" Flannel Board Hands-on Inquiry Computer activities</p>	<p>Teacher observations</p> <p>Performance Testing</p>

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Elementary School Map**

Kindergarten Science	Essential Questions	Concept/Content	Skills	Core Activities	Assessment
Standards	5.1, 5.4				
May Earth Science	Where is the Moon and Sun in relation to the Earth? What are the different features of the Earth, Moon, and the Sun? How does daytime differ from nighttime?	Earth Science- The Sun, Earth & Moon <u>Unit Vocabulary:</u> Sun, Earth, Moon, space, planet, crater, sunrise, sunset, light, heat, sunshine, shadow, day, night	SWBAT: Discuss the differences between the Earth, Sun, and Moon. Tell the difference between daytime and nighttime.	Read poems, stories, and sing songs. Learning center activities Guided practice Big Book- Flannel Board Hands-on Inquiry Computer activities Video Tapes	Teacher observations Test Performance
Standards					
June	REVIEW		SWBAT:		Teacher observations Performance Testing

