

Rose Hamilton Elementary Curriculum Mapping
Science – Kindergarten
1st Nine Weeks

Unit Lesson	Indiana Standards	Key Questions Big Idea	Resources/Activities	Vocabulary	Assessments
Introduction Be a Scientist		Investigate Weather The Five Senses Living Things	<ul style="list-style-type: none"> • Textbook p.1-22 • Discussion • Flipbook • Photo Cards 	sunny windy snowy cloudy rainy taste touch smell hear see living nonliving	Participation Center activities

Unit A PLANTS Lesson 1 T.E.26-31 Lesson 2 T.E.32-39 Lesson 3 T.E.40-45	K.3.1 K.3.3	What parts help plants grow? What do plants need? How do plants change as they grow?	<ul style="list-style-type: none"> • flipbook p.7-10 • leveled readers "Plant Parts", "Where Do Plants Live?", "Small Plants, Tall Plants" • library or book room: "From Seed to Sunflower", "Red Leaf, Yellow Leaf" • observing stems- p.30 materials: celery stalk, large jar & food coloring • planting seeds p.44- milk containers, potting soil, seeds, paper cups, ruler, gloves, string, and connecting cubes • A to Z Activity Book 8-9,14-15, 	root stem leaf seed air light water soil	Science Notebook p.27-29 Field trip Center activities p. 31-39-45 Participation
Unit A Lesson 4 T.E. 46-53 Lesson 5 T.E.54-59	K.3.3 K.3.1	How can plants look different? What plants can we use?	<ul style="list-style-type: none"> • flipbook p. 11-12 • leveled readers "From Seed to Sunflower", "All Kinds of Plants" • photo cards 1-10 	leaf leaves flower flowers fruit vegetable	Science Notebook p. 30-31 63-64 Center activities p.53-59 Participation
K.3.3 Describe and compare living plants in terms of growth, parts, shape, size, color, and texture K.3.1 Observe and draw physical features of common plants and animals					

Unit B ANIMALS Lesson 1 T.E.64-69 Lesson 2 T.E.70-77 Lesson 3 T.E.78-83 Lesson 4 T.E.84-89	K.3.1 K.3.2 K.3.3	Where do animals live? What do animals need? How can bugs look alike? Where do reptiles live?	<ul style="list-style-type: none"> • flipbook 15-25 • leveled readers "What Kind of Animal Are You?", "Our Desert Home" • photo cards 11-20 • A to Z Activity Book 20-21, 52-53, 12-13, 16-17, 18-19 	animal habitat air water shelter food space insect mammal reptile lizard snake	Science Notebook p. 32-35 Participation Center activities p.69-77-83-89
Unit B Lesson 5 T.E.90-97 Lesson 6 T.E. 98-103 Lesson 7 T.E. 104-111 Lesson 8 T.E.112-117 Review 120-121	K.3.1 K.3.2	How can animals move? How do animals stay safe? What so we get from animals?	<ul style="list-style-type: none"> • flipbook 20-25 • leveled readers "Animals on the Move", " All About Animals", "Animals Grow", & "Good Morning" • photo cards 11-20 • A to Z Activity Book 16-17, 10-11, 24-25, 50-51 • Investigate: Wormy Behavior-materials: earthworms paper eyedroppers 	wings fins reef skin fur scales shell feathers grow change beekeeper farmer	Science Notebook 36-39 65-66 Center activities 97-103-111-117 Participation

K.3.1 Observe and draw physical features of common plants and animals
K.3.2 Describe and compare living animals in terms of shape, texture of body covering, size, weight, color and the way they move.
K.3.3 Describe and compare living plants in terms of growth, parts, shape, size, color, and texture

Additional Support/Resources:
<http://nsdl.org/refreshers/science>
www.macmillanmh.com

Curriculum Mapping
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2nd Nine Weeks

Unit Lesson	Indiana Standards	Key Questions Big Idea	Resources/Activities	Vocabulary	Assessments
Unit C OUR EARTH, OUR HOME Lesson 1 T.E.126-131 Lesson 2 T.E. 132-137 Lesson 3 T.E.138-145 Lesson 4 T.E. 146-151 Lesson 5 T.E. 152-159 Lesson 6 T.E.160-165	K.1.1	What uses soil? How can you describe rocks? How can land be different? What are different bodies of water? What resources from Earth do we use? How can we take care of Earth?	<ul style="list-style-type: none"> • flipbook 29-36 • leveled readers “What’s in the Soil?”, “Rocks”, “America, the Beautiful and Land High & Low”, “Our Land”, “Recycle, Reduce, Reuse!” • photo cards 21-30 • A to Z Activity Book 8-9, 36-37, 46-47 • Investigate: Sampling Soil-materials: soil, hand lenses, newspaper, large mesh strainer & fine mesh strainer • Investigate: Sorting Rocks-materials: rock collection, hand lenses, crayons, rocks from the outside 	Soil dirt earth rocks pebbles sand mountains valleys plains canyons river stream lake ocean resource firefighter recycle reduce reuse	Science Notebook 40-46 67-68 Center activities 131-137-145-151-165 Participation

K.1.1 Use all senses as appropriate to observe, sort and describe objects according to their composition and physical properties, such as size, color and shape. Explain these choices to others and generate questions about the objects.

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Curriculum Mapping
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3rd Nine Weeks

Unit Lesson	Indiana Standards	Key Questions Big Idea	Resources/Activities	Vocabulary	Assessments
Unit D WEATHER & SKY Lesson 1 T.E.170-177 Lesson 2 T.E 178-183 Lesson 3 T.E. 184-189 Lesson 4 184-189	K.2.2 K.2.3	What are some different kinds of weather? How can clouds be different? What happens when the seasons change? How does the sky change from night to day?	<ul style="list-style-type: none"> • flipbook 38-43 • leveled readers “What is the Weather?”, “What Will I Wear Today?”, “Clouds”, “A Favorite Season & Seasons”, “The Night Sky” • photo cards 31-40 • A to Z Activity Book 28-29, 42-43, 52-53 • Observe: Wind Effects- materials: fans, feathers, paper, plastic bags, aluminum foil, plants, blocks • Observe: Observe Clouds- materials: chart paper, markers 	rainy windy snowy sunny cloud winter spring summer fall day night moon sun stars patterns	Science Notebook 46-49 Center Activities 177-183-189-197 Participation

Unit D WEATHER & SKY Lesson 5 T.E.198-203 Review T.E. 206-207	K.2.1	How does the Sun make shadows?	<ul style="list-style-type: none"> • flipbook 44,59 • A to Z Activity Book 38-39, 42-43 • Investigate: Change Shadows- materials: overhead projector, large white paper, markers, classroom objects, masking tape 	shadows shade heat	Science Notebook p. 50 p. 69-70 Center activities 203 Participation
K.2.1 Observe and record during sunny days when the sun shines on different parts of the school building K.2.2 Describe and compare objects seen in the night and day sky. K.2.3 Describe in words and pictures the changes in weather from month to month and season to season					

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Curriculum Mapping
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4th Nine Weeks

Unit Lesson	Indiana Standards	Key Questions Big Idea	Resources/Activities	Vocabulary	Assessments
Unit E EXPLORING MATTER Lesson 1 T.E. 212-217 Lesson 2 T.E.218-223 Lesson 3 T.E.224-229 Lesson 4 T.E.230-237	K.1.1 K.1.2	How do we use paper and cloth? How can we change wood and metal? What can we make out of clay? How can water change?	<ul style="list-style-type: none"> • flipbook 48-52 • leveled readers: “Soft & Hard”, “Working With Wood”, “Made from Clay”, “Melting Snow, I Like Ice, and Matter Changes” • A to Z Activity Book 32-33, 48-49 , 46-47 • photo cards 41-50 	bend fold tear cut wood metal clay kiln fire solid liquid gas	Science Notebook p.51-54 Center activities 217-223-229-237 Participation

K.1.1 Use all senses as appropriate to observe, sort and describe objects according to their composition and physical properties, such as size, color and shape. Explain these choices to others and generate questions about the objects.

K.1.2 Identify and explain possible uses for an object based on its properties and compare these uses with other students’ ideas.

<p>Unit F</p> <p>MOVING RIGHT ALONG</p> <p>Lesson 1 T.E.242-247</p> <p>Lesson 2 T.E.248-255</p> <p>Lesson 3 T.E.256-261</p> <p>Lesson 4 T.E. 262-267</p> <p>Lesson 5 T.E.268-273</p> <p>Review 276-277</p>	<p>K.1.1</p> <p>K.1.2</p>	<p>How do wheels help us?</p> <p>What makes things move?</p> <p>How do we stay on the ground?</p> <p>How are sounds made?</p> <p>What objects will magnets move?</p>	<ul style="list-style-type: none"> • flipbook 53-59 • leveled readers: • “Working with Clay”, “Toys That Move & Water Moves”, “Making Sounds”, “What Can a Magnet Do?” • A to Z Activity Book 40-41, 34-35, 26-27 • photo cards 51-60 	<p>wheel</p> <p>pulley</p> <p>slide</p> <p>roll</p> <p>push</p> <p>pull</p> <p>force</p> <p>gravity</p> <p>vibration</p> <p>loud</p> <p>soft</p> <p>magnet</p>	<p>Science Notebook p.55-59</p> <p>Center Activities 247-255-261-267-273</p>
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