



## Zula Module Correlation with NYC Kindergarten Science Scope and Sequence

### Unit 1: Trees Through the Seasons

What are some changes we see in trees during the year?

<p>Identify the basic needs of organisms to live and thrive:</p> <ul style="list-style-type: none"> <li>• Needs of plants to live and thrive (e.g., air, water, light)</li> <li>• Living things grow and change</li> </ul>	<p><b>Rocks &amp; Soil:</b> <i>Soil Shake Up p. 7, 8, 10, (16), (18)</i></p> <p><b>Habitats: Oceans, Rainforests, and Canyons:</b> <i>Spy and Splash with Sea Life p. 6, 10, (18)</i> <i>Meet the Rainforest p. 6, 8, 10, (18)</i> <i>Help Make Healthy Habitats p. 5, 7, 10, 12, 13, (17)</i></p>
<p>Observe and compare the different structures that enable each plant to live and thrive:</p> <ul style="list-style-type: none"> <li>• Roots, leaves, stems, flowers, seeds</li> </ul>	<p><b>Rocks &amp; Soil:</b> <i>Soil Shake Up p. 10</i></p> <p><b>Habitats: Oceans, Rainforests, and Canyons:</b> <i>Meet the Rainforest p. 6, 10, 12</i> <i>Help Make Healthy Habitats p. 5, 10, 12, 13</i></p>
<p>Observe adaptations of plants:</p> <ul style="list-style-type: none"> <li>• Plants respond to changes in the environment including seasonal changes such as: Leaves falling in autumn and forming in springtime, and flowers blooming</li> </ul>	<p><b>Habitats: Oceans, Rainforests, and Canyons:</b> <i>Meet the Rainforest p. 6</i></p>

## Unit 2: Exploring Properties

How do we observe and describe objects?

<p>Observe and describe physical properties of objects using all of the appropriate senses:</p> <ul style="list-style-type: none"> <li>• Size, shape, texture, weight, color, etc.</li> <li>• Determine whether objects are alike or different</li> </ul>	<p><b>Mixtures, Solutions, &amp; Chemical Reactions:</b>  <i>Hunt for Treasure in the Mixture p. 5, 10, 12, 13, (18-19), (22)</i>  <i>Find Salty Solutions p. 5, 11, 12, 13, (18-20), (22)</i>  <i>Get Cooking with Chemistry p. 5,11, 12, 13, 14, (19-22), (24)</i></p> <p><b>Rocks &amp; Soil:</b>  <i>Rock and React p. 5, 10, 11, 13, (19-21)</i>  <i>Soil Shake Up p. 5, 9, 10, 11, 12, (16-18)</i></p> <p><b>Habitats: Oceans, Rainforests, and Canyons:</b>  <i>Spy and Splash with Sea Life p. 10, 13</i>  <i>Meet the Rainforest p. 6, 10, 13</i>  <i>Help Make Healthy Habitats p. 5</i></p>
<p>Observe and describe physical properties of objects using appropriate tools:</p> <ul style="list-style-type: none"> <li>• <a href="#">Hot/cold (thermometer)</a></li> <li>• <a href="#">Weight (pan balance)</a></li> <li>• Measurement (nonstandard units) including bigger/smaller, more/less, capacity of liquids</li> <li>• Observation (hand lenses)</li> </ul>	<p><b>Mixtures, Solutions, &amp; Chemical Reactions:</b>  <i>Hunt for Treasure in the Mixture p. 5, 13</i>  <i>Find Salty Solutions p. 5, 12</i>  <i>Get Cooking with Chemistry p. 5, 14</i></p> <p><b>Rocks &amp; Soil:</b>  <i>Soil Shake Up p. 9, 11, 12, (17)</i></p> <p><b>Habitats: Oceans, Rainforests, and Canyons:</b>  <i>Spy and Splash with Sea Life p. 13</i>  <i>Help Make Healthy Habitats p. 10, 13</i></p> <p><i><a href="#">Pan Balance used in Simple Machines Module L1</a></i></p> <p><i><a href="#">Thermometer used in Weather L1 Module and Matter L1 Module</a></i></p>
<p>Observe, describe, and identify the properties of materials (e.g., wood, plastic, metal).</p>	<p><b>Mixtures, Solutions, &amp; Chemical Reactions:</b>  <i>Hunt for Treasure in the Mixture p. 5, 10</i>  <i>Find Salty Solutions p. 5, 12, (18)</i>  <i>Get Cooking with Chemistry p. 5, 11, 12</i></p> <p><b>Rocks &amp; Soil:</b>  <i>Rock and React p. 10, 11, 13, (19)</i>  <i>Soil Shake Up p. 5, 7, 8, 9, 10, 11, (16)</i></p> <p><b>Habitats: Oceans, Rainforests, and Canyons:</b>  <i>Meet the Rainforest p. 10</i></p>
<p>Sort or group objects according to their properties:</p> <ul style="list-style-type: none"> <li>• Texture, color, shape, etc.</li> <li>• <a href="#">Sink and float</a></li> </ul>	<p><b>Mixtures, Solutions, &amp; Chemical Reactions:</b>  <i>Hunt for Treasure in the Mixture p. 12, 13</i></p> <p><b>Rocks &amp; Soil:</b>  <i>Rock and React p. 5, 10, 13</i></p> <p><b>Habitats: Oceans, Rainforests, and Canyons:</b>  <i>Spy and Splash with Sea Life p. 10, 13</i>  <i>Meet the Rainforest p. 13</i></p> <p><i><a href="#">Sink and float addressed in Water Module L1</a></i></p>

### Unit 3: Animals

What are animals?

Identify the basic needs of organisms to live and thrive: <ul style="list-style-type: none"><li>• Needs of animals to live and thrive (e.g., air, water, food, shelter)</li><li>• Living things grow and change</li></ul>	<b>Rocks &amp; Soil:</b> <i>Soil Shake Up p. 5, 7, 8, (17)</i> <b>Habitats: Oceans, Rainforests, and Canyons:</b> <i>Spy and Splash with Sea Life p. 6, 8, 10, 13, (18)</i> <i>Meet the Rainforest p. 6, 8, (18)</i> <i>Help Make Healthy Habitats p. 5, 7, 13, (19)</i>
Observe and compare the different structures that enable each animal to live and thrive: <ul style="list-style-type: none"><li>• Wings, legs, fins, eyes, nose, ears, tongue, skin, claws, etc.</li></ul>	<b>Habitats: Oceans, Rainforests, and Canyons:</b> <i>Spy and Splash with Sea Life p. 6, 8, 10, 13, (19-20)</i> <i>Meet the Rainforest p. 6</i> <i>Help Make Healthy Habitats p. (18-19)</i>
Make clear that nonliving things do not live and thrive.	<b>Habitats: Oceans, Rainforests, and Canyons:</b> <i>Help Make Healthy Habitats p. 3</i>
Recognize that living things have offspring that closely resembles its parents: <ul style="list-style-type: none"><li>• Dogs/puppies, cats/kittens, cows/calves, ducks/ducklings, frogs/tadpoles</li></ul>	<i>Addressed in Plants, Animals, and Life Cycles Module L1</i>
Observe physical animal characteristics that are influenced by changing environmental conditions such as: <ul style="list-style-type: none"><li>• Coat thickness in winter, rabbits changing fur color, shedding of fur</li></ul>	<b>Habitats: Oceans, Rainforests, and Canyons:</b> <i>Meet the Rainforest p. 6</i>
Observe that some animals behaviors are influenced by environmental conditions: <ul style="list-style-type: none"><li>• Nest building, hibernation, migration</li></ul>	<i>Addressed in Plants, Animals, and Life Cycles Module L1</i>