



Zula Module Correlation with Tennessee Pre-Kindergarten Science Standards

Life Science

- Begins to make comparisons among living things such as flowers, insects and animals

<p>Recognizes that living things are made up of parts</p>	<p>Light: <i>Bubble Up Rainbows p.14</i></p> <p>Water: <i>Drip and Drop the Water p. 4, 6, 8, (19), (21)</i></p> <p>Rocks & Soil: <i>Soil Shake Up p. 5, 10, (18)</i></p> <p>Habitats: Oceans, Rainforests, and Canyons: <i>Spy and Splash with Sea Life p. 6, 10, 13, (19-20)</i> <i>Meet the Rainforest p. 6, 10, (19-20)</i> <i>Help Make Healthy Habitats p. 5, 10, 12, 13, (18-19)</i></p> <p>Plants, Animals, & Life Cycles: <i>Spy the Animals, Vegetables, and Minerals p. 9, 11, 14, (18-19)</i> <i>Cycle Through the Life Cycles p. 6, 8, 11, 13, 14, (19-20), (22)</i> <i>Puzzle Over Pollywogs p. 4, 5, 6, 9, 11, (19-21)</i></p>
---	--

- Expands knowledge of and abilities to observe, describe and discuss the natural world, materials, living things and natural processes

<p>Recognizes that people use their 5 senses to explore their environment</p>	<p>Simple Machines: <i>Roll Those Wheels p. 5, 6, 7, 10, 11, 13, 14, 15, (19-24)</i> <i>Make Simple Machines – Ramps, Slides, and Seesaws p. 5, 6, 10, 11, 12, 13, 14, 15, (20-23)</i> <i>Wonder About Wedges p. 5, 6, 9, 11, 12, 14, 15, (19-23)</i></p> <p>Force: <i>Push and Pull p. 5, 6, 9, 11, 12, (16-20)</i> <i>Give Friction the Slip p. 4, 5, 6, 7, 10, 11, 12, 13, 14, (19-23)</i> <i>Feel the Force p. 5, 6, 9, 12, 13, (18-22)</i></p> <p>Mixtures, Solutions, & Chemical Reactions: <i>Hunt for Treasure in the Mixture p. 5, 7, 10, 11, 12, 13, (18-22)</i></p>
---	---

	<p><i>Find Salty Solutions p. 5, 7, 11, 12, 13, (18-22)</i> <i>Get Cooking with Chemistry p. 5, 6, 7, 8, 11, 12, 13, 14, (19-24)</i></p> <p>Matter: <i>Play Ice, Water, Steam p. 6, 7, 11, 12, 14, (19-20), (22-23)</i> <i>Chill Out with Water p. 6, 7, 8, 10, 11, 13, 14, (19), (22-23)</i></p> <p>Light: <i>Peek at Light p. 6, 7, 11, 12, 14, 15, (19-23)</i> <i>Play Shadow Tag p. 6, 7, 11, 13, 14, (18-22)</i> <i>Bubble Up Rainbows p. 6, 7, 11, 12, 13, 14, (18-22)</i></p> <p>Water: <i>Make a Splash with Water p. 6, 7, 11, 13, 14, (19), (22-23)</i> <i>Drip and Drop the Water p. 6, 7, 8, 10, 11, 13, 14, (19), (22-23)</i> <i>Find Out What Floats p. 6, 8, 11, 12, 13, (18-22)</i></p> <p>Weather: <i>Make a Weathervane p. 5, 7, 8, 10, 11, 13, 14, (18), (21-22)</i> <i>Touch On Temperature p. 5, 7, 11, 12, 13, 14, (18), (21-22)</i></p> <p>Rocks & Soil: <i>Rock and React p. 5, 6, 10, 11, 12, 13, (19-23)</i> <i>Soil Shake Up p. 5, 6, 9, 10, 11, 12, (16-20)</i></p> <p>Habitats: Oceans, Rainforests, and Canyons: <i>Spy and Splash with Sea Life p. 6, 7, 10, 12, 13, (18), (21-22)</i> <i>Meet the Rainforest p. 6, 7, 10, 13, (18-22)</i> <i>Help Make Healthy Habitats p. 5, 6, 10, 12, 13, (20-21)</i></p> <p>Plants, Animals, & Life Cycles: <i>Spy the Animals, Vegetables, and Minerals p. 6, 7, 8, 11, 13, 14, (18-23)</i> <i>Cycle Through the Life Cycles p. 6, 7, 9, 11, 13, 14, (20-22)</i> <i>Puzzle Over Pollywogs p. 5, 6, 8, 11, 13, (19-23)</i></p>
--	--

- Expands knowledge of and respect for her body and the environment

<p>Recognizes that living things live in different environments</p>	<p>Light: <i>Bubble Up Rainbows p.14</i></p> <p>Water: <i>Make a Splash with Water p. 6, 8, (19), (21)</i></p> <p>Rocks & Soil: <i>Soil Shake Up p. 3, 5, 7, 10, (16), (18)</i></p> <p>Habitats: Oceans, Rainforests, and Canyons: <i>Spy and Splash with Sea Life p. 6, 8, 10, 12, 13, (18-20), (22)</i> <i>Meet the Rainforest p. 6, 8, 10, 13, (18-20)</i></p>
---	--

	<p><i>Help Make Healthy Habitats p. 5, 7, 10, 12, 13, (17-19)</i></p> <p>Plants, Animals, & Life Cycles:</p> <p><i>Spy the Animals, Vegetables, and Minerals p. 9, 14</i></p> <p><i>Cycle Through the Life Cycles p. 6, 14</i></p> <p><i>Puzzle Over Pollywogs p. 9, 11, 14</i></p>
--	--

Earth and Space Science

- Continues to asks questions about the natural world and seeks answers through active exploration

Recognizes the concept of day and night	<p>Light:</p> <p><i>Peek at Light p. 15, (19), (23)</i></p>
Recognizes daily weather conditions	<p>Light:</p> <p><i>Bubble Up Rainbows p. 9</i></p> <p>Weather:</p> <p><i>Make a Weathervane p. 3, 5, 6, 7, 8, 10, 11, 13, 14,(18), (20), (22)</i></p> <p><i>Touch On Temperature p. 5, 6, 8, 14, (20)</i></p> <p>Habitats: Oceans, Rainforests, and Canyons:</p> <p><i>Meet the Rainforest p. 6</i></p> <p>Plants, Animals, & Life Cycles:</p> <p><i>Cycle Through the Life Cycles p. 6</i></p>
Recognizes that time and temperature can be measured with a clock and thermometer	<p>Matter:</p> <p><i>Play Ice, Water Steam p. 4</i></p> <p><i>Chill Out With Water p. 4, 14, (23)</i></p> <p>Weather:</p> <p><i>Make a Weathervane p. 11, (18)</i></p> <p><i>Touch on Temperature p. 3, 5, 6, 8, 11, 12, 14 (18), (22)</i></p>

- Begins to use senses and a variety of tools and simple measuring devices to gather information, investigate materials and observe processes and relationships

Recognizes a variety of earth materials by their observable properties (rocks, sand, dirt)	<p>Matter:</p> <p><i>Play Ice, Water, Steam p. 5,6, 9, 11, 12, (19-20)</i></p> <p><i>Chill Out with Water p. 4, 6, 8, 10, 14</i></p> <p>Water:</p> <p><i>Make a Splash with Water p. 4, 6, 8, 9, 11, 14, 17, (19), (21), (23)</i></p> <p><i>Drip and Drop the Water p. 4, 6, 8, 11, 14, 17, (23)</i></p> <p>Rocks & Soil:</p> <p><i>Rock and React p. 3, 5, 7, 8, 10, 11, 13, (19-21), (23)</i></p> <p><i>Soil Shake Up p. 3, 5, 7, 10, 11, 14, (16), (18)</i></p>
--	---

	<p>Habitats: Oceans, Rainforests, and Canyons: <i>Spy and Splash with Sea Life p. 4, 6, 8, (18), (22)</i> <i>Meet the Rainforest p. 10</i> <i>Help Make Healthy Habitats p. 10, 12</i></p> <p>Plants, Animals, & Life Cycles: <i>Spy the Animals, Vegetables, and Minerals p. 6, 11</i></p>
--	---

- Develops increasing abilities to classify, compare and contrast objects, events and experiences

<p>Classifies materials by their elements</p>	<p>Simple Machines: <i>Roll Those Wheels p. 10, 11, 13, 14, 15, 17, (19), (20-22)</i> <i>Make Simple Machines – Ramps, Slides, and Seesaws p. 5, 10, 11, 12, 14, 15, 18, (20-21), (23)</i> <i>Wonder About Wedges p. 5, 11, 14, 15, 17, (19-21), (22)</i></p> <p>Force: <i>Push and Pull p. 5, 9, 11, 12, 14, (16-17), (20)</i> <i>Give Friction the Slip p. 5, 7, 10, 11, 12, 14, 17, (20), (23)</i> <i>Feel the Force p. 7, 9, 12, 13, 16, (18), (22)</i></p> <p>Mixtures, Solutions, & Chemical Reactions: <i>Hunt for Treasure in the Mixture p. 5, 6, 10, 11, 12, 13, 16, (18-20), (22)</i> <i>Find Salty Solutions p. 5, 11, 12, 13, 16, (18-20), (22)</i> <i>Get Cooking with Chemistry p. 5, 6, 11, 12, 13, 14, 17, (19-22), (24)</i></p> <p>Matter: <i>Play Ice, Water, Steam p. 5, 6, 9, 11, 12, 17, (19-20), (23)</i> <i>Chill Out with Water p. 6, 8, 10, 11, 13, 14, 17, (19), (23)</i></p> <p>Light: <i>Peek at Light p. 6, 11, 12, 14, 15, 17, (19), (23)</i> <i>Play Shadow Tag p. 6, 11, 13, 14, 16, (18), (22)</i> <i>Bubble Up Rainbows p. 6, 11, 12, 13, 14, 16, (19), (22)</i></p> <p>Water: <i>Make a Splash with Water p. 9, 11, 13, 14, 17, (19), (23)</i> <i>Drip and Drop the Water p. 6, 10, 11, 13, 14, 17, (19), (23)</i> <i>Find Out What Floats p. 6, 7, 9, 11, 12, 16, (18-20), (22)</i></p> <p>Weather: <i>Make a Weathervane p. 5, 10, 11, 13, 16, (22)</i> <i>Touch On Temperature p. 5, 11, 12, (22)</i></p> <p>Rocks & Soil: <i>Rock and React p. 5, 10, 11, 13, 16, (19-21), (23)</i></p>
---	---

	<p><i>Soil Shake Up p. 5, 9, 10, 11, 12, 14, (16-18), (20)</i></p> <p>Habitats: Oceans, Rainforests, and Canyons:</p> <p><i>Spy and Splash with Sea Life p. 6, 8, 10, 13, (18)</i></p> <p><i>Meet the Rainforest p. 6, 10, 13, (22)</i></p> <p><i>Help Make Healthy Habitats p. 5, 10, 12, (21)</i></p> <p>Plants, Animals, & Life Cycles:</p> <p><i>Spy the Animals, Vegetables, and Minerals p. 6, 11, (19-20), (23)</i></p> <p><i>Cycle Through the Life Cycles p. 6, 11, (19)</i></p>
--	---

Physical Science

- Begins to participate in simple investigations to test observations, discuss and draw conclusions and form generalizations

Recognizes the basic concept that forces can move objects	<p>Simple Machines:</p> <p><i>Roll Those Wheels p. 5, 7, 10, 11, 13, 14, 15</i></p> <p><i>Make Simple Machines – Ramps, Slides, and Seesaws p. 10, 15, 16</i></p> <p><i>Wonder About Wedges p. 5, 8, 11, 14, (19)</i></p> <p>Force:</p> <p><i>Push and Pull p. 3, 5, 7, 9, 10, 11, 12, 14, (19-20)</i></p> <p><i>Give Friction the Slip p. 3, 4, 5, 7, 10, 11, 13, 14, 17, (19)</i></p> <p><i>Feel the Force p. 3, 5, 7, 9, 12, 13, (18-20), (22)</i></p>
---	---

- Develops growing abilities to collect, describe and record information through a variety of means, including discussion, drawing, maps and charts

Recognizes that objects have observable properties that can change over time and under different conditions	<p>Force:</p> <p><i>Push and Pull p. 9</i></p> <p>Mixtures, Solutions, & Chemical Reactions:</p> <p><i>Find Salty Solutions p. 8, 12, 13, (18)</i></p> <p><i>Get Cooking with Chemistry p. (24)</i></p> <p>Matter:</p> <p><i>Play Ice, Water, Steam p. 6, 8, 9, 11, 12, 14, (19), (23)</i></p> <p><i>Chill Out with Water p. 6, 8, 10, 11, 12, 13, 14, (19), (23)</i></p> <p>Light:</p> <p><i>Peek at Light p. 15</i></p> <p><i>Play Shadow Tag p. 6, 11, 14, (18)</i></p> <p><i>Bubble Up Rainbows p. 11, 12, 13, 14, (22)</i></p> <p>Water:</p> <p><i>Make a Splash with Water p. 9, 14, (19)</i></p> <p><i>Find Out What Floats p. 11, 12, 14, (18)</i></p> <p>Weather:</p> <p><i>Make a Weathervane p. 13</i></p> <p><i>Touch On Temperature p. 5, 9, 11, 12, 13, 14, (19-20), (22)</i></p>
---	---

	<p>Rocks & Soil: <i>Rock and React p. 10, 14, (18)</i> <i>Soil Shake Up p. 10, 12</i></p>
--	--

- Begins to describe and discuss predictions, explanations and generalizations based on past experiences

<p>Recognizes that the sun gives us light</p>	<p>Light: <i>Peek at Light p. 4, 6, 14</i> <i>Play Shadow Tag p. 4, 6, 8, 9, 11, 14, (22)</i> <i>Bubble Up Rainbows p. 4, 6, 8, 9, 11, 12, 13, 14, (19), (22)</i></p> <p>Weather: <i>Make a Weathervane p. 13, (20)</i></p> <p>Habitats: Oceans, Rainforests, and Canyons: <i>Spy and Splash with Sea Life p. 4</i></p> <p>Plants, Animals, & Life Cycles: <i>Spy the Animals, Vegetables, and Minerals p. 14</i></p>
---	---