

**Youngstown City Schools
Preschool Curriculum Map
Science**

I: Introduce

September – October – November	See Curriculum Model
Standard Statement	Instructional Practices
<p>Physical Science <i>Observation of Objects and Materials</i> Objects and materials are described by their properties.</p> <ul style="list-style-type: none"> • Color, shape, size, weight and texture are some examples of characteristics that can be used to describe and/or sort objects and materials. <p>Life Science <i>Observation of Living Things</i> Similarities and differences exist among individuals of the same kinds of plants and animals.</p> <ul style="list-style-type: none"> • Individuals among plants and animals of the same kind show greater likeness than difference, even though they vary in some traits and behaviors. • Living things have physical traits • Physical traits and behaviors of plants and animals are sometimes the same and sometimes different from the characteristics ascribed to them in stories. 	<p>interactive read aloud informational shared reading individual/ small group conversations (using authentic materials) sensory table activities creative art activities sorting activities graphic organizers</p> <p>interactive read aloud (both fiction & informational) individual/small group conversations (using authentic materials) creative art experiences graphic organizers collection activities</p>

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<p>Earth and Space <i>Daily and Seasonal Changes</i> The sun and the moon are visible at different times of the day and night.</p> <ul style="list-style-type: none"> The sun is visible only in the daytime, but the moon is visible sometimes at night and sometimes during the day. <p>Life Science <i>Observation of Living Things</i> (I) There are many distinct environments in Ohio that support different kinds of organisms.</p> <ul style="list-style-type: none"> Plants and animals have traits that improve their chances of living in different environments. Plants and animals in Ohio interact with one another for food, shelter and nesting. 	<p>interactive shared reading shadow explorations measuring creative writing / drawing over time graphic organizers creative movements</p> <p>walking field trip interactive shared reading of informational texts dramatic play creative movement sorting activities creative art charting observations / graphic organizers</p>

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December – January - February	See Model Curriculum
Standard Statement	Instructional Practices
<p>Earth and Space <i>Daily and Seasonal Changes</i> Weather changes every day.</p> <ul style="list-style-type: none"> • Wind, water and temperature are all part of daily weather changes. Weather changes throughout the day and from day to day. <p>Water can be observed as lakes, ponds, rivers, streams, the ocean, rainfall, hail, sleet or snow.</p> <ul style="list-style-type: none"> • When it rains, water can create puddles or cause flooding. The puddles and flooding eventually go away. Some areas flood more than others. The ocean is the largest body of water on Earth. <p>Physical Science <i>Observations of Objects and Materials</i> Many objects can be made to produce sound.</p> <ul style="list-style-type: none"> • Sound can be produced by touching, blowing or tapping objects. 	<p>charting daily observations simple measuring activities interactive read aloud with informational texts dramatic play</p> <p>simple experiments water play experiences sensory table experiences walking field trips</p> <p>music / movement activities singing / sound making listening walk / activities animal sounds matching / comparing graphic organizer conversations</p>

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March – April- May	See Model Curriculum
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Earth and Space

Daily and Seasonal Changes

Rocks and soil have properties that can help identify them.

- Rocks and soil have different colors and textures.
- Rocks and soil can be sorted by different colors and textures.

sensory table activities
interactive read aloud with informational texts
collection activities
graphing / sorting
measuring
creative writing
simple experiments / observations
individual / small group conversations

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Resource Pages

a variety of objects / materials
magnifiers and other visual devices
puppets
materials for collections
fiction and non-fiction picture books
different light sources
phases of the moon chart / photos
time-lapsed videos on You Tube
other props
other science websites
planetarium visit
fiction & non-fiction books / Ohio field guides
community experts (e.g., naturalists, farmers)
puppets
camera / photo documentation
weather radar online
waterwheels, pipes, funnels, tubing materials
Ohio Soil & Water Conservation Commission experts
neighborhood / Ohio maps (geology.com)
a variety of materials to make sounds
a variety of instruments
photos / recorded sounds of instruments or environmental sounds
a collection of rocks
vocabulary (stone, pebble, rock, boulder, etc.; soil, dirt, sand, earth, etc.)
scales and measuring devices
non-fiction books and resource guides

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garden expert / Ohio Soil and Water Conservation Commission visits
online web resources