

Unit/Topic Title: **I Grow**

Trimester: **2nd**

Estimated Time (When): **January (3 Weeks) 15 days**

<p>Standard(s)</p> <ul style="list-style-type: none"> 2. Life Science 3. Earth Science 	
<p>Prepared Graduates:</p> <ul style="list-style-type: none"> ➤ Describe how humans are dependent on the diversity of resources provided by Earth and Sun (3.1) ➤ Explain and illustrate with examples how living systems interact with the biotic and abiotic environment (2.1) ➤ Analyze the relationship between structure and function in living systems at a variety of organizational levels, and recognize living systems' dependence on natural selection (2.1) 	
<p>Grade Level Expectation: Preschool</p>	
<p>Concepts and skills students master:</p> <ul style="list-style-type: none"> • Living things have characteristics and basic needs (2.1) • Earth's materials have properties and characteristics that affect how we use those materials (3.1) 	
<p>Evidence Outcomes</p>	<p>21st Century Skills and Readiness Competencies</p>
<p>Students can:</p> <ul style="list-style-type: none"> • Observe and explore the natural processes of growing, changing, and adapting to the environment (2.1.b.) • Use senses to gather information about Earth's materials (3.1.a.) <p>Introductory concepts/outcomes:</p> <ul style="list-style-type: none"> • Describe Earth's materials and how they might be utilized 	<p>Inquiry Questions:</p> <ul style="list-style-type: none"> • What are the similarities and differences among various earth materials? • How do scientists study and describe Earth's materials? • What do living things need to survive? <p>Relevance and Application:</p> <ul style="list-style-type: none"> • Use scientific tools in investigations, and play with materials such as rocks, soil, sand, and water. • Mittens and hats keep people warm when the weather is cold. • Gills on a fish allow them to "breathe" under water. <p>Nature of Science:</p> <ul style="list-style-type: none"> • Ask testable question based on discoveries made while playing. • Collect, describe, and record information through discussions, drawings, and charts. • Be open to and curious about new tasks and challenges. • Explore and experiment.

Essential Vocabulary

- **Introductory:** Earth, descriptive words (big, small, hard, soft, etc.), explains and generalizes
- **Mastery:** Senses, growing, change, adapt, information/data, observe and explore

Assessments

- Teaching Strategies GOLD™
 - 25. Demonstrates knowledge of the characteristics of living things
 - 27. Demonstrates knowledge of Earth's environment

Instructional Resources

- The Creative Curriculum System - Objectives for Development and Learning: Birth Through Kindergarten, pages 126-129 and 132-134.
- Science To-Go Kits: Sink and Float