

Unit/Topic Title: **I Grow**

Trimester: **2nd**

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

Standard(s) 2. Life Science 3. Earth Science	
Prepared Graduates: <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) 	
Grade Level Expectation: Preschool	
Concepts and skills students master: <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) 	
Evidence Outcomes	21st Century Skills and Readiness Competencies
Students can: <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.) 	Inquiry Questions: <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?
Introductory concepts/outcomes: <ul style="list-style-type: none"> • Describe Earth's materials and how they might be utilized 	Relevance and Application: <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.
	Nature of Science: <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