Unit/Topic Title: I Grow

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

Standard(s)
1. Life Science
2. Earth Science

Prepared Graduates:
- 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:
- 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

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<th>Inquiry Questions:</th>
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<td>• What are the similarities and differences among various earth materials?</td>
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<td>• How do scientists study and describe Earth's materials?</td>
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<td>• What do living things need to survive?</td>
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<th>Relevance and Application:</th>
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<tr>
<td>• Use scientific tools in investigations, and play with materials such as rocks, soil, sand, and water.</td>
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<td>• Mittens and hats keep people warm when the weather is cold.</td>
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<td>• Gills on a fish allow them to &quot;breathe&quot; under water.</td>
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Nature of Science:
- 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

- Science To-Go Kits: Sink and Float