**Grade/Course:** Kindergarten\Science

**Unit 1: (Description)Learn About Your World**

**Standards:**
- 3.1 Unifying Themes
- 3.2 Inquiry and Design
- 3.7 Technological Devices

**Essential Content and Skills:**
The learner will
- Use the five senses as tools with which to: observe, collect information, classify, describe.
- Identify and describe similarities and differences between living things and their life processes.
- Identify and explain how adaptations help organisms to survive.
- Identify and describe living and nonliving things in the environment and their interaction.

**Essential Questions:**
In what ways do living things vary?
How do we describe the similarities and differences of living things on Earth?

**Big Ideas:** Cell Theory and Organisms: Living things are similar to and different from each other and nonliving things.
- Identify the five senses – sight, hearing, smell, touch, and taste.
- Identify how the five senses help us gather information about the world.
- Compare, contrast and classify objects using the senses.

**On-going Remediation:** Compass Odyssey

**On-going Enrichment:** Compass Odyssey
<table>
<thead>
<tr>
<th>Grade/Course: Kindergarten \ Science</th>
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</thead>
<tbody>
<tr>
<td><strong>Unit 2: (Description) Learn about Plants</strong></td>
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<tr>
<td><strong>Standards:</strong> 3.1 Unifying Themes</td>
<td>3.2 Inquiry and Design</td>
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<td>3.3 Biological Sciences</td>
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<td></td>
<td>3.7 Technological Devices</td>
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<tr>
<td><strong>Essential Questions:</strong></td>
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<tr>
<td>1. In what ways do living things vary?</td>
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<td>2. How do we describe the similarities and differences of living things on Earth?</td>
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<tr>
<td><strong>Big Ideas:</strong> Evolution of Life Over Time: Earth is home to a great variety of living things.</td>
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<tr>
<td>• Identify the similarities and differences of living things.</td>
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<td>• Identify the life process of living things</td>
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<td>• Understand that living things are made up of parts that have specific functions.</td>
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<td>• Understand the basic needs of plants.</td>
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<td><strong>On-going Remediation:</strong> Compass Odyssey</td>
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<td><strong>On-Going Enrichment:</strong> Compass Odyssey</td>
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**Unit 3: (Description) Learn About Animals**

**Standards:**
- 3.1 Unifying Themes
- 3.2 Inquiry and Design
- 3.5 Earth Sciences
- 3.7 Technological Devices

**Essential Questions:**
In what ways do living things vary?
How do we describe the similarities and differences of living things on Earth?

**Big Ideas:**
Cell Theory and Organisms: Living things are similar to and different from each other and nonliving things.
Evolution of Life Over Time: Earth is home to a great variety of living things.

**On-going Remediation:** Compass Odyssey
**On-Going Enrichment:** Compass Odyssey

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**Unit 4: (Description) A HOME CALLED EARTH**

**Standards:**
- 3.1 Unifying Themes
- 3.2 Inquiry and Design
- 3.5 Earth Sciences
- 3.7 Technological Devices

**Essential Content and Skills:**
The learner will
- Identify basic landforms
- Distinguish between three types of earth: soil, rock, and sand
- Recognize the earth’s different water resources: fresh and salt water
- Identify ways to conserve

**Essential Questions:**
1. What are ways we can observe and describe the properties of objects and materials?
2. What observations can we make that show the earth is constantly changing?

**Big Ideas:** Cell Theory and Organisms: Living things are similar to and different from each other and nonliving things.
Evolution of Life Over Time: Earth is home to a great variety of living things.
### Grade/Course: Kindergarten \ Science

#### Unit 5: (Description) Weather and Seasons

**Standards:**
- 3.1 Unifying Themes
- 3.2 Inquiry and Design
- 3.4 Physical Science, Chemistry and Physics
- 1.5 Earth Sciences
- 1.6 Technological Devices

**Essential Content and Skills:**
The learner will
- Identify weather conditions and seasonal changes on the earth driven by energy from the sun
- Learn that the sun is a source of energy that affects air pressure
- Understand the affects of wind on the earth

**Essential Questions:**
- What are ways we can observe and describe changes in an object’s motion and position?
- What observations can we make that show the earth is constantly changing?
- What is needed to make things go?

**Big Ideas:**
- Earth Systems Theory: The earth is constantly changing and operates in cycles.
- Newtonian Laws of Force & Motion: Changes in an object’s motion can be observed and describe.
- Forms, Sources, Conversions, and Transfer of Energy: There are a variety of ways to make things move.
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<th><strong>Grade/Course:</strong> Kindergarten \ Science</th>
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<tr>
<td><strong>Unit 6: (Description) Make things Move</strong></td>
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**Standards:**
- 3.1 Unifying Themes
- 3.2 Inquiry and Design
- 3.4 Physical Science, Chemistry and Physics
- 3.7 Technological Devices

**Essential Content and Skills:**
The learner will
- Understand that objects can move; push and pull; slide and roll
- Understand that wheels make it easier to move objects
- Identify that magnetic are attracted to metallic objects that contain iron
- Understand that objects sink or float

**Essential Questions:**
What are ways we can observe and describe changes in an object's motion and position?
What is needed to make things go?

**Big Ideas:** Newtonian Laws of **Force & Motion:** Changes in an object's motion can be observed and described.

**On-going Remediation:** Compass Odyssey

**On-Going Enrichment:** Compass Odyssey