## Kindergarten

### Life Science

#### Basics of Life

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<th>Living Things</th>
<th>Imagine It! Unit#, Lesson#, page#, Story or Activity Title</th>
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<tr>
<td>• Students will learn the key traits of all living things and how living and nonliving things differ.</td>
<td>Unit 1, Lesson 10, page T162, Classifying and Categorizing</td>
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<td>Unit 2, Lesson 2, pages T38-T39, “The Zoo”</td>
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<td>Unit 2, Lesson 9, pages T148-T149, “Animal Tracks”</td>
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<td>Unit 2, Lesson 12, pages T184-T185, “Smelly or Soft: Zoologists Study Them All”</td>
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<td>Unit 2, Lesson 12, pages T196-T197, “Smelly or Soft: Zoologists Study Them All”</td>
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<td>Unit 4, Lesson 3, pages T46-T53”The Ocean”</td>
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<td>Unit 4, Lesson 4, pages T60-T67, “The Ocean”</td>
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<td>Unit 4, Lesson 9, pages T142-T153, The Seashore”</td>
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<td>Unit 8, Lesson 2, pages T36-T39, “What’s Alive?”</td>
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<td>Unit 8, Lesson 11, pages T174-T177, “All Living Things”</td>
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#### Living Things and Their Needs

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<td>• Learn the difference between living and nonliving things.</td>
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<td>Unit 2, Lesson 12, pages T196-T199, “Smelly or Soft: Zoologists Study them All”</td>
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<td>Unit 4, Lesson 7, pages T106-T117, “Humphrey”</td>
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<td>Unit 4, Lesson 8, pages T124-T135, “Humphrey”</td>
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<td>Unit 8, Lesson 3, pages T46-T55, “A Tree Is a Plant?”</td>
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<td>Unit 8, Lesson 4, pages T62-T71, “A Tree Is a Plant?”</td>
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<td>Unit 8, Lesson 13, pages T194-T203, “Zinnia’s Flower Garden”</td>
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<td>Unit 8, Lesson 14, pages T210-T219, “Zinnia’s Flower Garden”</td>
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### Organisms
#### What Plants Need
- **Students will learn the three essential needs of all plants.**
  - Unit 5, Lesson 3, pages T46-T55, “Grandma’s Lena’s Big Ol’ Turnip”
  - Unit 5, Lesson 4, pages T62, T71, “Grandma’s Lena’s Big Ol’ Turnip”
  - Unit 5, Lesson 13, pages T190-T199, “Wanda’s Roses”
  - Unit 5, Lesson 14, pages T206-T215, “Wanda’s Roses”
  - Unit 8, Lesson 1, page T29, Inquiry; Concept/Question Board
  - Unit 8, Lesson 2, pages T36-T39, “What’s Alive?”
  - Unit 8, Lesson 3, pages T46-T55, “A Tree Is a Plant?”
  - Unit 8, Lesson 4, pages T62-T71, “A Tree Is a Plant?”
  - Unit 8, Lesson 13, pages T194-T203, “Zinnia’s Flower Garden”
  - Unit 8, Lesson 14, pages T210-T219, “Zinnia’s Flower Garden”
  - Unit 8, Lesson 15, page T228, Theme Wrap-Up and Review

#### Kinds of Plants
- **Students will learn about two kinds of plants: those with flowers and those with cones.**
  - Unit 2, Lesson 12, pages T194-T195, “The Tree”
  - Unit 8, Lesson 3, pages T46-T55, “A Tree Is a Plant?”
  - Unit 8, Lesson 4, pages T62-T71, “A Tree Is a Plant?”
  - Unit 8, Lesson 13, pages T194-T203, “Zinnia’s Flower Garden”
  - Unit 8, Lesson 14, pages T210-T219, “Zinnia’s Flower Garden”

#### Learning About Plants
- **Learn about the things plants need to survive, including air, water, food, and sunlight.**
  - Unit 2, Lesson 12, pages T194-T195, “The Tree”
  - Unit 2, Lesson 13, pages T209-T219, “Leaf Man”
  - Unit 2, Lesson 14, pages T228-T239, “Leaf Man”
  - Unit 5, Lesson 3, pages T46-T55, “Grandma’s Lena’s Big Ol’ Turnip”
  - Unit 5, Lesson 4, pages T62, T71, “Grandma’s Lena’s Big Ol’ Turnip”
  - Unit 5, Lesson 13, pages T190-T199, “Wanda’s Roses”
  - Unit 5, Lesson 14, pages T206-T215, “Wanda’s Roses”
  - Unit 8, Lesson 1, page T29, Inquiry; Concept/Question Board
  - Unit 8, Lesson 2, pages T36-T39, “What’s Alive?”
  - Unit 8, Lesson 3, pages T46-T55, “A Tree Is a Plant?”
  - Unit 8, Lesson 4, pages T62-T71, “A Tree Is a Plant?”
  - Unit 8, Lesson 7, pages T110-T119, “Becoming Butterflies”
  - Unit 8, Lesson 8, pages T126-T135, “Becoming Butterflies”
  - Unit 8, Lesson 10, pages T15-T155, Inquiry; Concept/Question Board
  - Unit 8, Lesson 13, pages T194-T203, “Zinnia’s Flower Garden”
  - Unit 8, Lesson 14, pages T210-T219, “Zinnia’s Flower Garden”
  - Unit 8, Lesson 15, pages T226-T227, “A Nut Pile”
  - Unit 8, Lesson 15, page T228, Theme Wrap-Up and Review

### Ecosystems
#### The Food Chain
- **Students will learn about food chains as an example of the interrelationships among living things that are responsible for survival.**
  - Unit 8, Lesson 11, pages T174-T177, “All Living Things”
  - Unit 8, Lesson 12, pages T184-T187, “All Living Things”
  - Unit 8, Lesson 15, page T228, Theme Wrap-Up and Review
### Habitats Are Everywhere

- **Understand that plants and animals inhabit different kinds of environments and have features that help them survive in those places.**
- **Describe the characteristics of living things that help a plant or animal to acquire what it needs to live.**

**Unit references:**
- Unit 2, Lesson 11, pages T184-T186, “Smelly or Soft: Zoologists Study them All”
- Unit 2, Lesson 12, pages T196-T199, “Smelly or Soft: Zoologists Study them All”
- Unit 4, Lesson 2, pages T36-T39, “When Land Meets Sea”
- Unit 4, Lesson 3, pages T60-T67, “The Ocean”
- Unit 4, Lesson 4, pages T60-T67, “The Ocean”
- Unit 4, Lesson 7, pages T106-T117, “Humphrey”
- Unit 4, Lesson 8, pages T124-T135, “Humphrey”

### Scientific Method

- **Scientific Method**

**Unit references:**
- Unit 8, Lesson 1, page T29, Inquiry; Concept/Question Board
- Unit 8, Lesson 5, pages T80-T81, Inquiry; Concept/Question Board
- Unit 8, Lesson 10, pages, T154-T155, Inquiry; Concept/Question Board
- Unit 8, Lesson 15, page T232, Unit Celebration; Concept/Question Board

### Earth Science

#### Earth Materials

**How Earth Changes**

- **Students will learn that Earth and the shape of the land changes**

**Unit references:**
- Unit 10, Lesson 7, pages T110-T117, “What Happened When Wind Blows?”
- Unit 10, Lesson 8, pages T126-T133, “What Happened When Wind Blows?”

#### Learning About Earth’s Surface

- **Describe the different materials that make up Earth’s surface.**
- **Understand that water can be found in streams, lakes, and oceans on Earth’s surface.**
- **Recognize that soil is made up of rock particles and organic material and that soils have different properties.**
- ** Explain how humans use resources from Earth’s surface and how we can protect those resources.**

**Unit references:**
- Unit 4, Lesson 2, pages T36-T39, “When Land Meets Sea”
- Unit 4, Lesson 3, pages T60-T67, “The Ocean”
- Unit 4, Lesson 4, pages T60-T67, “The Ocean”
- Unit 4, Lesson 11, pages T174-T177, “Water, Water, Everywhere!”
- Unit 4, Lesson 12, pages T184-T187, “Water, Water, Everywhere!”
- Unit 5, Lesson 13, pages T190-T199, “Wanda’s Roses”
- Unit 5, Lesson 14, pages T206-T215, “Wanda’s Roses”
## Water and Weather

### Measuring the Weather

- **Students will learn about the tools that help measure the weather.**
  - Unit 10, Lesson 5, pages T76-T77, Inquiry
  - Unit 10, Lesson 10, pages T154-T155, Inquiry

### The Water Cycle

- **Students will learn that Earth’s water goes through a cycle.**
  - Unit 4, Lesson 11, pages T174-T177, “Water, Water, Everywhere!”
  - Unit 4, Lesson 12, pages T184-T187, “Water, Water, Everywhere!”

### Weather on Earth

- **Describe how weather changes from day to day and follows patterns based on the seasons.**
- **Identify different types of weather and the characteristics of each type.**
- **Identify forms of precipitation as either solid or liquid.**
- **Explain how water moves through the atmosphere.**

Getting Started, Day 1, page GS36, Days of the Week
Getting Started, Day 2, page GS42, Days of the Week
Getting Started, Day 3, page GS48, Days of the Week
Getting Started, Day 4, page GS54, Days of the Week
Getting Started, Day 5, page GS60, Days of the Week
Unit 2, Lesson 12, pages T194-T195, “The Tree”
Unit 4, Lesson 11, pages T174-T177, “Water, Water, Everywhere!”
Unit 4, Lesson 12, pages T184-T187, “Water, Water, Everywhere!”
Unit 10, Lesson 1, page T29, Inquiry; Concept/Question Board
Unit 10, Lesson 2, pages T36-T39, “Whose Has Seen the Wind?”
Unit 10, Lesson 3, pages T46-T53, “Can You See the Wind?”
Unit 10, Lesson 4, pages T60-T67, “Can You See the Wind?”
Unit 10, Lesson 5, pages T76-T77, Inquiry
Unit 10, Lesson 7, pages T110-T117, “What Happened When Wind Blows?”
Unit 10, Lesson 8, pages T126-T133, “What Happened When Wind Blows?”
Unit 10, Lesson 10, pages T154-T155, Inquiry

## Space

### The Seasons

- **Students will learn that seasons happen because Earth tilts on its axis.**

### The Solar System

- **Students will learn that Earth and other planets orbit the sun.**
  - Unit 6, Lesson 11, pages T162-T165, “Sunny Sky, Starry Sky”
  - Unit 6, Lesson 12, pages T172-T175, “Sunny Sky, Starry Sky”

### Earth in Space A

- **Understand the rotation of Earth in space.**
- **Recognize the phases of the moon.**
  - Unit 6, Lesson 11, pages T162-T165, “Sunny Sky, Starry Sky”
  - Unit 6, Lesson 12, pages T172-T175, “Sunny Sky, Starry Sky”
## Scientific Method

- **Scientific Method**
  Unit 10, Lesson 1, page T29, Inquiry; Concept/Question Board
  Unit 10, Lesson 5, pages T76-T77, Inquiry
  Unit 10, Lesson 10, pages T154-T155, Inquiry
  Unit 10, Lesson 15, page T226, Theme Wrap-Up and Review
  Unit 10, Lesson 15, page T231, Inquiry Wrap-Up

## Physical Science

### Matter

#### Properties of Matter A

- Explain that matter has properties and can be classified.
- Understand that the properties of matter can change when it is mixed, cooled, or heated.
- Recognize that matter usually exists in one of three states: solid, liquid, or gas.

### Forces

#### Force

- Students will learn that a force is a push or pull on something.

### Learning About Forces

- Describe how gravity pulls objects toward Earth’s surface.
- Explain that pushes and pulls result from forces and cause motion.
- Recognize that motion changes when forces change and that equal forces can cause balance.

### Energy

#### Light

- Students will learn that light helps us see.
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<th>Heat, Light, and Sound</th>
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<td>• Recognize that heat, light, and sound are types of energy.</td>
<td>Unit 6, Lesson 3, pages T46-T51, “Shadows”</td>
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<td>• Discover that the sun is a source of heat and light.</td>
<td>Unit 6, Lesson 4, pages T58-T63, “Shadows”</td>
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<td>• Explain that vibrations cause sound waves.</td>
<td>Unit 6, Lesson 5, pages T72-T73, Inquiry</td>
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<td>Unit 5, Lesson 6, pages T100-T103, “Whistling”</td>
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<td>Unit 6, Lesson 2, pages T36-T39, “What Makes a Shadow?”</td>
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<td>Unit 6, Lesson 9, pages T130-T133, “Hide-and-Seek Shadow”</td>
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