

## Transitional Kindergarten: Eye Spy

### Guiding Questions:

- What is a habitat?
- Do adult animals and insects look the same as young animals and insects?
- What do plants and animals need to live?
- How are plants the same and different?

### Vocabulary:

- **Habitat**
- Compare
- Investigate
- Observe
- Differences
- Five Senses
- Plant parts
- **Diversity**
- **Physical Traits**
- **Descriptive words:** big, small, smooth, spiky, bumpy, fuzzy, etc.)
- **Living**
- **Non-Living Lifecycle**
- **Adaptation**
- **Energy (sun, food)**
- Food / Nutrients

**Needs/ Survival** - water, air (oxygen), sun, nutrients

## Kindergarten: Who Lives Here?

### Guiding Questions:

- What do plants and animals need to live?
- Do plants and animals, including humans, need each other?
- Do plants and animals have the ability to change their environment?

### Vocabulary

<ul style="list-style-type: none"><li>• Compare</li><li>• Investigate</li><li>• Observe</li><li>• Differences</li><li>• Five Senses</li><li>• Patterns</li><li>• <b>Diversity</b></li><li>• <b>Needs/ Survival</b> - plant and animal needs</li><li>• Oxygen</li></ul>	<ul style="list-style-type: none"><li>• <b>Environment - habitat</b></li><li>• Photosynthesis - energy, sun, leaves, chlorophyll, sugars, plants</li><li>• Food chain</li><li>• Resources</li><li>• <b>Energy</b></li><li>• Change</li><li>• Plant parts</li><li>• Pollination</li><li>• <b>Adaptations</b></li></ul>
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## 1st Grade: How Does the Garden Grow?

### Guiding Questions:

- How do the plant's parts help it grow and survive?
- How does a plant change from season to season?
- How do young plants and animals compare to older or adult plants and animals?

### Vocabulary:

<ul style="list-style-type: none"><li>● Compare</li><li>● Investigate</li><li>● Observe</li><li>● Plant Parts - seed, roots, stem, leaf, flower, fruit</li><li>● Functions</li><li>● <b>Energy</b></li><li>● Photosynthesis</li><li>● Exhale (CO<sub>2</sub>)/Inhale (O<sub>2</sub>)</li><li>● <b>Survival</b></li><li>● Traits</li><li>● Variations</li><li>● <b>Adaptations</b></li><li>● Dormancy</li><li>● Young/ Offspring</li></ul>	<ul style="list-style-type: none"><li>● Inherit</li><li>● <b>Diversity</b></li><li>● Relationships</li><li>● Evidence</li><li>● Endangered</li><li>● Seasons - Spring, Summer, Fall (Autumn), Winter</li><li>● Metamorphosis</li><li>● Lifecycle</li><li>● Season</li><li>● Cycle</li><li>● <b>Habitats</b>- desert, freshwater (pond, stream, river, lake), forest, grassland, meadow, marine (ocean, sea)</li></ul>
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## 2nd Grade: Diversity University

### Guiding Questions:

- How do plants adapt to their habitats? How are animals different or the same based on where they live?
- How does wind and water change the land?
- What do plants depend on to survive?
- How do animals help plants with pollination?

### Vocabulary

<ul style="list-style-type: none"><li>● Compare</li><li>● Investigate</li><li>● Observe</li><li>● Pollination</li><li>● Dispersal</li><li>● Diversity - plant and animal</li><li>● Change - Adapt</li><li>● Habitat</li><li>● Environment</li><li>● Resource</li></ul>	<ul style="list-style-type: none"><li>● Water phases</li><li>● Erosion</li><li>● Drought</li><li>● Earthquake/ Faults</li><li>● Photosynthesis - more detail</li><li>● <i>Energy</i></li><li>● Plant parts</li><li>● Food Chain - producer, consumer, herbivore, carnivore, omnivore</li><li>● Needs/ Survival</li></ul>
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