

Educational Resources from *Phenomenon Science Education*  
Student Proficiency Goals for Performance Expectation **K-ESS3-1**



**Information about Performance Expectation K-ESS3-1**

**Performance Expectation K-ESS3-1.**

Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.

**Clarification Statement.**

*Examples of relationships could include that deer eat buds and leaves, therefore, they usually live in forested areas; and, grasses need sunlight so they often grow in meadows. Plants, animals, and their surroundings make up a system.*

**Assessment Limits.**

*No specific assessment limits are listed for this Performance Expectation.*

**Science and Engineering Practice (Developing and Using Models)**

- Use a model to represent relationships in the natural world.

**Disciplinary Core Idea (ESS3.A: Natural Resources)**

- Living things need water, air, and resources from the land, and they live in places that have the things they need. Humans use natural resources for everything they do.

**Crosscutting Concept (Systems and System Models)**

- Systems in the natural and designed world have parts that work together.

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<b>SEP (Developing and Using Models):</b> <ul style="list-style-type: none"><li>Students use given models to identify and describe plants and/or animals in places, where in those places the plants and/or animals live, and what they need to survive and grow.</li><li>Students use given models to represent and describe relationships between where plants and/or animals live in given places and what those plants and/or animals need to survive and grow.</li><li>Students use given models to represent and describe relationships among specific plants and/or animals and the resources those plants and/or animals need to survive and grow.</li></ul>	
<b>DCI (ESS3.A Natural Resources):</b> <ul style="list-style-type: none"><li>Students know living things need resources such as water, air, food, and shelter.</li><li>Students know that living things live in places that have resources which provide what the organisms need to survive and grow.</li><li>Students know that humans use natural resources for many purposes.</li></ul>	<b>CCC (Systems and System Models):</b> <ul style="list-style-type: none"><li>Students notice that plants and/or animals live in places where their survival needs are met.</li><li>Students consider that plants and/or animals and the places in which they live make up parts of systems.</li><li>Students consider how different parts of systems work together to allow the survival needs of living things to be met.</li></ul>