

Teacher / Team Name: 2nd Grade

Topic: Science Second Grade Interdependence of Organisms and Their Surroundings

Days: 41

Subject(s):

Grade(s):

Key Learning: Our world is made up of living and non-living things. Living things continue to grow and change over time.



Unit Essential Question(s): **What are the similarities and differences between living things? How do living things change over time?**



Concept:
Animals depend on their surroundings to get what they need, including food, water, shelter, and a favorable temperature. Animals depend on plants or other animals for food.

Concept:
Plants depend on air, water, minerals (in the soil), and light to grow.

Concept:
Animals can move around, but plants cannot, and they often depend on animals for pollination to move their seeds around.



Lesson Essential Question(s):
How can we construct a representation in which plants and animals depend on their environment and each other to meet their needs? (ET)

Lesson Essential Question(s):
How can we clarify ideas about how plants may depend on animals for pollination or to move their seeds around? (A)

Lesson Essential Question(s):
How can we clarify ideas about how plants may depend on animals for pollination or to move their seeds around? (A)



Vocabulary:
representation, environment, need

Vocabulary:
pollination

Vocabulary:
pollination

Teacher / Team Name: 2nd Grade

Topic: Science Second Grade Interdependence of Organisms and Their Surroundings

Days: 41

Subject(s):

Grade(s):

<p>Concept: Different plants survive better in different settings because they have varied needs for water, minerals, and sunlight.</p>	<p>Concept: Organisms obtain the materials they need to grow and survive from the environment. Many of these materials come from organisms, and are used again by other organisms.</p>	<p>Concept: The places where plants and animals live often change, sometimes slowly and sometimes rapidly.</p>
---	--	--



<p>Lesson Essential Question(s): How can we plan and carry out investigations to test whether plants from different settings have different needs for water, sunlight, and types of soil? (A)</p>	<p>Lesson Essential Question(s): How can we construct a representation in which plants and animals depend on their environment and each other to meet their needs? (A)</p>	<p>Lesson Essential Question(s): How can we construct an explanation about the effect of environmental changes- whether slow or rapid- on the survival of plants and animals that live there? (A)</p>
--	---	--



<p>Vocabulary:</p>	<p>Vocabulary:</p>	<p>Vocabulary: environmental changes, survival</p>
--------------------	--------------------	---

<p>Concept: When animals and plants get too hot or too cold, they may die. If they cannot find enough food, water, or air, they may die.</p>	<p>Concept: Some kinds of plants and animals that once lived on Earth (e.g. dinosaurs) are no longer found anywhere, although others now living (e.g. lizards) resemble them in some ways.</p>	<p>Concept: Living things can survive only where their needs are met. If some places are too hot or too cold or have too little water or food, plants and animals may not be able to live there.</p>
--	--	--



<p>Lesson Essential Question(s): How can we construct an explanation about the effect of environmental changes- whether slow or rapid- on the survival of plants and animals that live there? (A)</p>	<p>Lesson Essential Question(s): How can we obtain and communicate information that some kinds of animals and plants that once lived on Earth are no longer found anywhere, although others living now may resemble them? (A)</p>	<p>Lesson Essential Question(s): How can we construct an explanation about the effect of environmental changes- whether slow or rapid- on the survival of plants and animals that live there? (ET)</p>
--	--	---



<p>Vocabulary:</p>	<p>Vocabulary: resemble</p>	<p>Vocabulary:</p>
--------------------	--	--------------------

Teacher / Team Name: 2nd Grade

Topic: Science Second Grade Interdependence of Organisms and Their Surroundings

Days: 41

Subject(s):

Grade(s):

Concept:

There are many different kinds of living things in any area, and they exist in different places on land and in water.

Concept:

Rocks, soil, and sand are present in most areas where plants and animals live. There may also be rivers, streams, lakes, and ponds. Maps show where things are located. One can map the shapes and kinds of land and water in any area.



Lesson Essential Question(s):

How can we observe and compare the many kinds of living things that are found in different areas? (A)

Lesson Essential Question(s):

How can we analyze a representation of a particular habitat showing the locations and shapes of both land and water features of that habitat?

How can we communicate how the land and water support animals and plants? (A)



Vocabulary:

Vocabulary:
support

Additional Information:

Attached Document(s):

Vocab Report for Topic: Science Second Grade Interdependence of Organisms and Their Surroundings

Days: 41

Subject(s):

Grade(s):

Concept: Animals depend on their surroundings to get what they need, including food, water, shelter, and a favorable temperature. Animals depend on plants or other animals for food.

representation -
environment -
need -

Concept: Plants depend on air, water, minerals (in the soil), and light to grow.

pollination -

Concept: Animals can move around, but plants cannot, and they often depend on animals for pollination to move their seeds around.

pollination -

Concept: The places where plants and animals live often change, sometimes slowly and sometimes rapidly.

environmental changes -
survival -

Concept: Some kinds of plants and animals that once lived on Earth (e.g. dinosaurs) are no longer found anywhere, although others now living (e.g. lizards) resemble them in some ways.

resemble -

Concept: Rocks, soil, and sand are present in most areas where plants and animals live. There may also be rivers, streams, lakes, and ponds. Maps show where things are located. One can map the shapes and kinds of land and water in any area.

support -