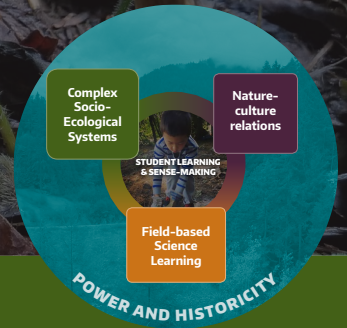




# Family Science Learning Engagement



## LE 2.A Preparing for the Outdoors

### Activity Purpose

In this learning activity, you will have a family discussion about what you think plants and animals, including humans, need to live healthy lives. Talk too about what your family needs to live a healthy life. You can use this information during a family wondering walk (activity LE 2.B).

### Activity Overview

Talk as a family about what plants and animals, including humans, need to live a healthy life. Take notes as you share your ideas. This will help you keep track of what you talked about, what you learned, and what you wondered.

Use the activity sheet provided or make your own by copying the charts onto a blank sheet of paper.

- Start by thinking about a plant or animal that lives around your home or neighborhood. What do they need to live healthy lives? Draw or write down your ideas.
- Now think about your family. What do you need to live a healthy life? Again, draw or write down your ideas.



What can you do to support learning?

- » Encourage family members to share whatever they are thinking about. In this activity, your family should share a lot of ideas, and not come up with one “right” answer.
- » Ask family members to build on their ideas. This is important so you can have a shared understanding of what you are talking about. You can model this by sharing and elaborating on your ideas. You can also ask for more information with the following prompts:
  - Can you tell me more about that?
  - What else do you think?
  - How do you know that? Or, Where did you learn that?
  - What do you think [grandparent, cousin, auntie/uncle] would say?

## Connecting with other families

- » Pass this activity along to other families you know and invite them to participate in this same activity. Afterward, text, call or videochat with them, or even send a letter to share what you found. You can ask them what plants and animals are in their area and compare and contrast with what you found.

### Disciplinary Core Ideas & Important Phenomena

"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. They use their senses to find food and water, and they use their body parts to gather, catch, eat, and chew the food. Plants depend on air, water, minerals (in the soil), and light to grow." (K-2; Next Generation Science Standards)

"Plants and animals (including humans) depend on the land, water, and air to live and grow. They in turn can change their environment (e.g., the shape of the land, the flow of the water)." (K-2; Next Generation Science Standards)

## Key Ideas & Practices

### Roles and relationships within a system:

Socio-ecological systems are made up of many different parts that are connected with one another. It is important to know what plants and animals, including humans, need to live healthy lives in order to better understand how these systems work. This will help your family think about what roles and relationships living things have with one another.



### NGSS Science Practices Emphasized

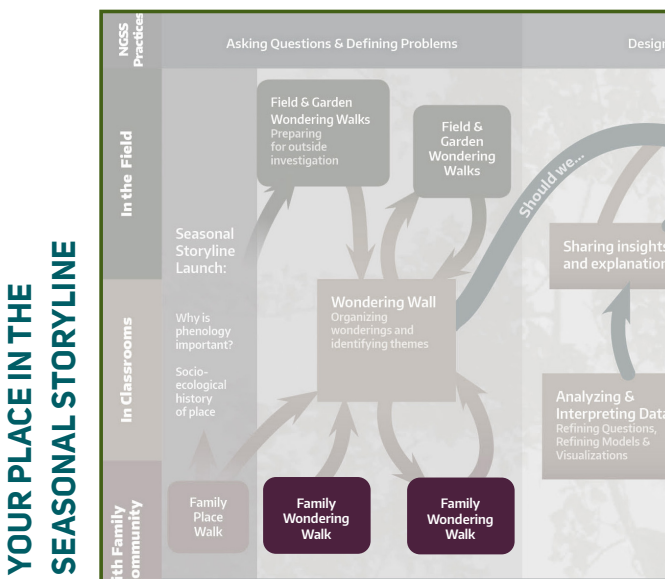
- Asking Questions

## CONNECT TO OTHER ACTIVITIES

- Learning Engagement 2.B: Family Wondering Walk

## LEARNING IN PLACES FRAMEWORKS TO CONSIDER

- Socio-ecological Deliberation & Decision-Making
- Thinking across Scales
- Relationships





LE # 2.A

## Preparing for the Outdoors

Plants and animals need food, air, water, and shelter to live healthy lives. Everyone makes or finds these things in different ways - even humans. Think about a plant or animal that lives around your home or in your neighborhood.

**What does the plant or animal that you are focusing on need to live a healthy life? Draw or write some ideas in the boxes below:**

Food	Air
Water	Shelter





LE # 2.A

## Preparing for the Outdoors

Now think about your family.

**What does your family need to live a healthy life? Draw or write some ideas in the boxes below:**

Food	Air
Water	Shelter

