

Creature Features

The Needs of Living Things (K-2)

Driving Question (Making sense question)

What do living things need to survive?

Anchoring Phenomenon

(Bug jar) it is difficult to keep collected specimens alive.

Phenomena Driven Question

What are the basic survival needs of plants and animals?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Analyzing and Interpreting Data

CCC: Patterns

What we figure out first.

All living things have basic needs that must be met in order to remain alive.

Common requirements for survival include: Water, air, nutrients, sunlight, shelter.

Phenomena Driven Question

What is the relationship between the needs of different plants and animals and the places they live?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Developing and Using Models

CCC: Systems and System Models

What we figure out next.

Plants, animals, and their surroundings represent a complex system of relationships.

Living things can survive only in habitats that meet their specific needs.

Phenomena Driven Question

How do the structures and behaviors (adaptations) of a living organism help it to survive in its specific habitat?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Developing and Using Models

CCC: Structure and Function

What we figure out next.

Adaptations allow organisms to live successfully in their habitat (e.g. help get the food they need, to communicate with each other, and to avoid predators)

Organisms living in different habitats need different adaptations (e.g. polar bear vs panda)

Phenomena Driven Question

How do the adaptations of living organisms help them to survive, grow, and meet their needs in extreme environments?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Constructing Explanations and Designing Solutions

CCC: Structure and Function

What we figure out next.

The way in which an object or living thing is shaped determines many of its properties and functions.

Every organism possesses certain adaptations, which help it survive in a particular habitat.