

2017 Science Unit 2: Characteristics of Living Things ; Grade 1

Content Area: **Science**
Course(s): **Science 1**
Time Period: **Marking Period 2**
Length: **November - December**
Status: **Published**

Established Goals/Standards

SCI.1-LS1-2	Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.
SCI.1-LS1-1	Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.
SCI.1-LS3-1	Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.
SCI.K-2-ETS1-1	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

Essential Questions

- How are young plants and animals alike and different from their parents?
- How do plants and animals use their external parts to survive?
- What types (patterns) of behavior can be observed among parents that help offspring survive?

Enduring Understanding

- Plants and animals use their external parts and certain behaviors to help them survive, grow, and meet their needs.

Content

- Patterns in the natural world can be observed, used to describe phenomena, and used as evidence.
- Individuals of the same kind of plant or animal are recognizable as similar but can also vary in many ways.
- Young animals are very much, but not exactly, like their parents. Plants also are very much, but not exactly, like their parents.
- Scientists look for patterns and order when making observations about the world.
- Patterns in the natural world can be observed, used to describe phenomena, and used as evidence.

- Adult plants and animals can have young.
- In many kinds of animals, parents and the offspring themselves engage in behaviors that help the offspring survive.

Assessment

Students who understand the concepts are able to:

- Observe and use patterns in the natural world as evidence and to describe phenomena.
- Read grade-appropriate texts and use media to obtain scientific information to determine patterns in the natural world.
- Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. Examples of patterns of behaviors could include:
 - ☐ The signals that offspring make, such as crying, cheeping, and other vocalizations.
 - ☐ The responses of the parents, such as feeding, comforting, and protecting the offspring

Resources

Teacher generated ActivBoard Flipcharts

United Streaming

You Tube

Mystery Science

NGSS @ nsta.org National Science Teachers Association website

Science Spin

NJ Model Curriculum

<https://www.symboloo.com/mix/ngss7> NGSS symboloo

Experiments/Observations/Journals

Non-Fiction Science leveled readers

Non-Fiction Books from school library

Scholastic News First Grade Level

Mailbox Magazine activities (core curriculum aligned)

Teacher's Helper activities (core curriculum aligned)

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