



All About Adaptations Workshop

Participants will learn about how and why animals adapt to survive.

1st-2nd grade:

- ✓ SC01-S1C1-01: Compare common objects using multiple senses.
- ✓ SC01-S1C1-02: Ask questions based on experiences with objects, organisms, and events in the environment.
- ✓ SC01-S1C3-01: Organize objects, organisms, and events according to various characteristics.
- ✓ SC01-S4C1-02: Compare the following observable features of living things: movement (legs, wings), protection (skin, feathers, tree bark), respiration (lungs, gills), support (plant stems, tree trunks).
- ✓ SC01-S4C1-03: Identify observable similarities and differences between/among different groups of animals.
- ✓ SC01-S4C3-01: Identify some plants and animals that exist in the local environment.
- ✓ SC01-S4C3-02: Compare the habitats in which plants and animals live.
- ✓ SC02-S1C1-01: Formulate relevant questions about the properties of objects, organisms, and events in the environment.
- ✓ SC02-S4C1-01: Identify animal structures that serve different functions.
- ✓ SC02-S1C3-02: Construct reasonable explanations of observations on the basis of data obtained.
- ✓ SC02-S2C2-02: Identify the following characteristics of a system: consists of multiple parts or subsystems, parts work interdependently.
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3rd-4th grade:

- ✓ SC03-S1C2-03: Conduct simple investigations in life, physical, and earth and space sciences.
- ✓ SC03-S1C2-05: Record data in an organized and appropriate format.
- ✓ SC03-S1C3-02: Construct reasonable interpretations of the collected data based on formulated questions.
- ✓ SC03-S2C2-01: Describe how, in a system with many components, the components usually influence one another.
- ✓ SC03-S4C3-03: Explain the interrelationships among plants and animals in different environments: producers, consumers, decomposers.
- ✓ SC03-S4C4-01: Identify adaptations of plants and animals that allow them to live in specific environments.
- ✓ SC03-S4C4-02: Describe ways that species adapt when introduced into new environments.
- ✓ SC03-S4C3-05: Describe how environmental factors in the ecosystem may affect a member organism's ability to grow, reproduce, and thrive.
- ✓ SC04-S1C2-04: Measure using appropriate tools and units of measure.
- ✓ SC04-S1C4-03: Communicate with other groups or individuals to compare the results of a common investigation
- ✓ SC04-S4C3-01: Describe ways various resources are utilized to meet the needs of a population.
- ✓ SC04-S4C3-03: Analyze the effect that limited resources may have on an environment.
- ✓ SC04-S4C4-02: Give examples of adaptations that allow plants and animals to survive.

5th-6th grade:

- ✓ SC05-S1C3-01: Analyze data obtained in a scientific investigation to identify trends and from conclusions.
- ✓ SC06-S1C2-04: Perform measurements using appropriate scientific tools.

7th-8th grade:

- ✓ SC07-S4C3-02: Explain how organisms obtain and use resources to develop and thrive in: niches, predator/prey relationships.
- ✓ SC07-S4C3-03: Analyze the interactions of living organisms with their ecosystems: limiting factors, carrying capacity.
- ✓ SC07-S4C3-05: Predict how environmental factors affect survival rates in living organisms.
- ✓ SC08-S4C4-01: Explain how an organism's behavior allows it to survive in an environment.
- ✓ SC08-S4C4-04: Compare the symbiotic and competitive relationships in organisms within an ecosystem.
- ✓ SC08-S4C4-06: Describe the following factors that allow for the survival of living organisms: protective coloration, beak design, seed dispersal, pollination.
- ✓ SC08-S3C1-01: Analyze the risk factors associated with natural, human induced, and/or biological hazards.