

Bug Safari



PREK – ADULT

45 MINUTES

Take a journey through the diverse world of invertebrates, showcasing unique species with amazing adaptations and their vital roles in ecosystems.

LEARNING OBJECTIVES

AWARENESS

Learners become aware of the incredible diversity of invertebrates and their unique characteristics.

COMPASSION & EMPATHY

Learners cultivate a sense of responsibility toward the well-being of invertebrates and their ecosystems.

EMPOWERMENT

Learners are empowered to make informed decisions for environmental conservation.

MISCONCEPTION WE ADDRESS

That all bugs are insects. Learners explore the diverse types of invertebrates, their unique roles, and how each contributes to the environment in different ways.

CURRICULUM STANDARDS SUPPORTED

COLORADO ACADEMIC STANDARDS (2020) & NGSS

SC.P.2.1

STANDARD 5

Recognize that living things have unique characteristics and basic needs that can be observed and studied.

SC.K.2.1

STANDARD 5

To live and grow, animals obtain food they need from plants or other animals, and plants need water and light.

K-LS1-1 Use observations to describe patterns of what plants and animals (including humans) need to survive.

SC.K.3.2

STANDARD 11

Plants and animals meet their needs in their habitats and impact one another.

K-ESS3-1 Use a model to represent the relationship between the needs of different plants or animals and the places they live.

SC.1.2.1

All organisms have external parts that they use to perform daily

STANDARD 5

functions.

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.

SC.2.2.2

STANDARD 8

A range of different organisms lives in different places.

2-LS4-1 Make observations of plants and animals to compare the diversity of life in different habitats.

SC.3.2.3

STANDARD 7

Different organisms vary in how they look and function because they have different inherited information; the environment also affects the traits that an organism develops.

3-LS3-1 Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents, and that variation of these traits exists in a group of similar organisms.

3-LS3-2 Use evidence to support the explanation that traits can be influenced by the environment.

SC.3.2.4

STANDARD 7

Some living organisms resemble organisms that once lived on Earth.

3-LS4-1 Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.

SC.4.2.1

STANDARD 5

Organisms have both internal and external structures that serve various functions.

4-LS1-1 Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior and reproduction.

SC.5.2.2

STANDARD 6

Matter cycles between air and soil and among plants, animals and microbes as these organisms live and die.

5-LS2-1 Develop a model to describe the movement of matter among plants, animals, decomposers and the environment.

SC.MS.2.5

STANDARD 6

Organisms and populations of organisms are dependent on their environmental interactions, both with other living things and with nonliving factors.

MS-LS2-1 Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.

SC.MS.2.12

STANDARD 8

Biodiversity is the wide range of existing life forms that have adapted to the variety of conditions on Earth, from terrestrial to marine

ecosystems.

MS-LS2-5 Evaluate competing design solutions for maintaining biodiversity and ecosystem services.

NEXT STEPS

Request a program

Tell us your grade level, group size, preferred dates and site address, and our team will confirm availability and send a program agreement. If cost is a barrier for your school or site, ask about partial scholarships when you inquire — we would rather find a way than turn a group away.

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Standards citations reflect the 2020 Colorado Academic Standards in Science as published by the Colorado Department of Education. Butterfly Pavilion is a 501(c)(3) nonprofit organization accredited by the Association of Zoos and Aquariums.