

Virtual Field Trip Teacher's Guide

OVERVIEW

Welcome to a virtual field trip to The Butterfly Conservatory! This activity is designed for K-2 students to observe butterflies, compare and contrast their patterns and learn about the butterfly lifecycle.

This activity is modular to give teachers flexibility in how they assign components to their students. The Virtual Hall Tour and Student Investigation are the core assignment. The extension activity is meant to provide an opportunity for deeper student engagement.

CORE ACTIVITY

Virtual Hall Tour and Student Investigation

Students will [watch a 360 Video](#) of the Butterfly Conservatory. They will observe two different butterflies in and answer these questions for each of them:

- Butterfly #1:
Do you see any designs on this butterfly?
Do you see any patterns on this butterfly?
What are all of the different colors you see on this butterfly?
- Butterfly #2:
Do you see any designs on this butterfly?
Do you see any patterns on this butterfly?
What are all of the different colors you see on this butterfly?
- How are these two butterflies similar to each other?
- How are they different from each other?

Students can also draw and color the butterflies that they have observed.

Next Generation Science Standards:

Disciplinary Core Ideas:
LS3.B: Variation of Traits
Science & Engineering Practices:
Constructing Explanations and
Designing Solutions
Crosscutting Concepts:
Patterns

Instructional Modalities

This activity was designed for both synchronous or asynchronous instruction.

For **synchronous instruction**, we recommend a platform that allows both for whole class discussion and for students to interact in small groups.

For **asynchronous discussion**, we provide suggestions for teachers to provide additional video support for the activities and for students to share their work with each other.

Supports for synchronous instruction:

- After students have answered the questions and completed their lifecycle drawings, put them into jigsaw groups and have them share and discuss their findings.

Supports for asynchronous instruction:

- Have students have a flip grid recording of their worksheet so that they can view each other's videos and learn about different butterflies.

EXTENSION ACTIVITIES

To deepen student engagement with this content, you may choose to add the following extension activities:

Butterfly Lifecycle

Students can [watch this video](#) to learn about the butterfly lifecycle and then draw the stages on the worksheet.

Draw a Monarch

Students can use the resources and [steps outlined here](#) to draw a scientific illustration of a monarch butterfly.