



Pre and post-visit activities for *Amazon Adventure* Field Trip Package

A biology lesson for grades 3 - 12

Learning Goals (for field trip and pre/post-activities)

- Follow and understand the scientific method and how it relates to research.
- Define “what is a theory?” and how scientific theories are developed and tested.
- Define “what is natural selection?” and describe how the process works to create new species.
- Describe the contributions of Henry Bates, Alfred Russell Wallace, and Charles Darwin to scientists’ understanding of the natural world.

Pre-visit Activities

Before bringing students to the Science Center you may want to try some of the following activities in order to activate prior knowledge and prepare them for their field trip. Lessons should be adjusted for grade level.

1. Understanding Natural Selection’s History
 - a. Have students watch the following video and discuss the scientist’s journey and his contributions to our understanding of the natural world: “The Life of Alfred Russell Wallace” <https://www.youtube.com/watch?v=H8q3my7ujws>

Post-visit Activities

You can extend your visit to the Science Center back in the classroom with the following post-visit activities. Lessons should be adjusted for grade level.

1. Have students research and identify instances of mimicry in their own backyard. Encourage students to sketch organisms in a “field journal” and record their findings.

Standards Addressed (NGSS)

NGSS 3-LS4, 4-LS1, MS-LS1-4, MS-LS4-4, MS-LS4-6, MS-LS1-5, MS-LS2-2, HS-LS2, HS-LS3-2, HS-LS4

Resources

- <http://amazonadventurefilm.com/educators/>
- <http://www.hhmi.org/biointeractive/evolution-collection>