

Expedition Days on the Road

Hands-on • Inquiry-based • Engaging

Expedition Days on the Road brings fun and place-based activities to your classroom! Classes will be divided into two groups, each group will participate in both activities. Students become scientists as they learn about our Sonoran Desert Ecosystem and how they can take positive actions in its conservation. Programs are STEAM-based and align with Arizona Science Standards.

3rd Grade: Sonoran Desert Ecosystems

3.L1U1.5: Develop and use models to explain that plants and animals (incl. humans) have internal and external structures that serve various functions that aid in growth, survival, behavior, and reproduction.

3.L2U1.6: Plan and carry out investigations to demonstrate ways plants and animals react to stimuli.

3.L2U1.7: Develop and use system models to describe the flow of energy from the Sun to and among living organisms.

3.L2U1.8: Construct an argument from evidence that organisms are interdependent.

Hidden Desert

Students will learn about wildlife in the Sonoran Desert and how we study them by inspecting wildlife tracks and playing scat bingo!



Ecosystem Jenga

Students will learn about the interdependent relationships between organisms and how our Sonoran Desert Ecosystem is balanced by playing Jenga.



4th Grade: Sonoran Desert Habitat Conservation

4.E1U1.6: Plan and carry out an investigation to explore and explain the interactions between Earth's major systems and the impact of Earth's surface materials and processes.

4.E1U3.9: Construct and support an evidence-based argument about the availability of water and its impact on life.

4.E1U2.10: Define problem(s) and design solution(s) to minimize the effects of natural hazards.

4.L4U1.11: Analyze and interpret environmental data to demonstrate that species either adapt and survive or go extinct over time.

Buffelgrass Botany

Students will act as botanists as they learn how we study plants by creating a scientific drawing, taking notes, and participating in a population study. They will then explore the impacts that humans and invasive plants have on the Sonoran Desert Ecosystem.



Watersheds

Students will explore watersheds and how habitats change in response to both human activities and environmental factors as they become watershed modeling scientists and urban city planners.



Additional Info

Duration: 1 hour per class

Cost: Free!

Maximum Number of Students: 30 per class, can book multiple classes on a single day

Please note: if multiple programs are scheduled at your location, it is helpful for them to be held in a single location and for students to be brought in. However, we are able to move between classrooms if needed. Please allow 10-minutes between classes for set up.