

# 2022-2023 Field Trips for K-12 and College



WELDON SPRING SITE  
A Legacy of Service



## Grades K-2

### Prowling the Prairie

Explore the lives and habits of the many different plants and animals that call Howell Prairie their home. With an up-close experience at the site's native prairie, students will learn about the ecosystem and how the animals and plants interact with each other, the environment, and humans.

Next Generation Science Standards (NGSS): PS3.B (K-2), LS1.A (K-2), LS1.C (K-2), LS2.A (K-2), LS3.A (K-2), and ESS3.A (K-2).

### Seeds Move!

Plants use many strategies to transport and germinate their seeds so they can continue to live and grow. Using science and engineering, students will learn and discover how seeds are designed to move. NGSS: LS1.A (K-2), LS2.A (K-2).

## Grades 3-5

### What's the Matter?

Chemists, engineers, and environmental scientists all need to understand how molecules are arranged as well as how they behave, change, and combine. Students will explore the properties of solids, liquids, and gases through hands-on investigations and exciting scientific explorations. NGSS: PS1.A (3-5) and PS1.B (3-5).

### Geology Rocks!

Get your hands on fossils, minerals, and rocks! Use an aquifer model to show how water and contamination behave underground. Explore current and historical relationships between humans, nature, and the Weldon Spring Site. NGSS: ESS1.C (3-5), ESS2.A (3-5), and ESS3.C (3-5).

## Middle School

### History and Science Connections

Investigate the effects of human activities on land and water. Understand how scientists detect and develop solutions for environmental contamination. Discover the Weldon Spring Site's history within the context of global conflict, the environmental movement, and present-day achievements. NGSS: ESS3.B (6-8) and ESS3.C (6-8). Missouri social studies standards: American History (6-8) — Geography, Continuity and Change, and Tools of Social Science Inquiry.

## High School and College

### Atomic Legacy: Past, Present, and Future of the Weldon Spring Site

Radiation is all around us, from natural and man-made sources. Investigate radiation and nuclear science while examining its effect on people and the environment. Explore the history of the Weldon Spring Site. Analyze past historical decisions and how they affected the area and our history. Evaluate solutions and discuss ideas for the future. This field trip includes a hands-on experience with Geiger counters. NGSS: PS1.A (9-12), PS1.C (9-12), ESS3.A (9-12), and ESS3.C (9-12). Missouri social studies standards: American History and Government (9-12) — Continuity and Change and Systems and Principles.