



ECOLOGY PROJECT  
INTERNATIONAL

# YELLOWSTONE TEACHER TRAINING

Professional Development &  
Field Science Using the NGSS\*

## TRAVEL TO THE HIGH COUNTRY AND EXPAND YOUR HORIZONS.

On Ecology Project International's (EPI) Yellowstone Teacher Training program, you'll be immersed in the Greater Yellowstone Ecosystem, the oldest, most historic—and historically controversial—protected area in the United States.

Witness the incredible recovery of the bison and wolf populations in the Yellowstone National Park (YNP) while investigating what that means for other species and a variety of stakeholders. Use telemetry to track bison and other ungulates, help restore native habitat and migration corridors, and watch the wolves in the iconic Lamar Valley.

During your research and conservation service projects for the Park, you'll learn strategies to help your students observe, question, collect data, discuss, and critically analyze the world around them. Dive head-first into the NGSS framework using the rich, real-world phenomena of Yellowstone National Park to develop lessons and unit plans that will captivate your students and kindle their passion for science.

\*NGSS is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the NGSS were involved in the production of this product and do not endorse it.



## SAMPLE ITINERARY

- Day 1:** Arrive in Bozeman, Montana. Meet your EPI instructor team and learn about the projects you'll be working on.
- Days 2-4:** Research and conservation. Track bison and other ungulates in YNP, remove invasive plants and/or fencing to improve migration corridors, monitor amphibian populations in the Custer-Gallatin National Forest.
- Days 5-6:** Learn about and observe wolves in the Lamar Valley, visit YNP's hydrothermal features. Begin creating a framework for integrating your growing NGSS skills into the classroom.
- Day 7:** Reflect upon your field science knowledge and experience, and its application for the classroom. Raft the Yellowstone River and celebrate your contributions to the Greater Yellowstone Ecosystem.
- Day 8:** Depart for home.





# YELLOWSTONE TEACHER TRAINING

## YELLOWSTONE IS YOUR CLASSROOM

With EPI, you'll work with Yellowstone National Park biologists and EPI staff to conduct habitat restoration and bison research. The work you do and the data you collect will help researchers answer big questions like: Why do bison move across the landscape? How do they share the landscape with other animals? How can the Park manage bison for all stakeholders involved?

While helping Park scientists with research and conservation, you'll learn how to develop NGSS-aligned lessons and unit plans that will inspire your students to begin asking—and answering—their own scientific questions.

## SKILL BUILDING

Upon completion of the course, you will be able to:

- Read and interpret the NGSS for classroom use
- Create NGSS-aligned lessons using the 5E Learning Cycle
- Teach science in or out of the classroom
- Use research-supported teaching tools and strategies to bolster your students' science and engineering practices
- Identify and collaborate with research and conservation partners in your community

## DEVELOP A PEER NETWORK

Back at camp, you'll have time to collaborate, plan, and write lessons with other science teachers. You'll also have space to share your teaching challenges, best practices, and opportunities to enhance science education with your cohort. Return home with a template for creating future lessons and unit plans, as well as new resources and peers to support and guide you on your continuing teacher journey.

### PROGRAM LENGTH

8-day

### DATES

August 8-15  
August 18-25

### TUITION

\$1,995 (plus airfare)

### ACCREDITATION

4 Graduate Credits  
(Registration fees apply)

