Science in the Wild:
Travel to Yellowstone National Park, the birth place of American conservation, for a 9-day professional development course focused on creating and delivering authentic science lessons aligned with Next Generation Science Standards (NGSS). You’ll learn strategies for helping your students conduct independent scientific research and for further integrating NGSS into your lesson planning. By contributing to ongoing studies with National Park biologists, you’ll develop the skills to be both a better science teacher and a better scientist.

Skill Building:
Upon completion of the course, participants will be able to:
• Read and interpret the NGSS for classroom use
• Create NGSS aligned lessons using the 5E Learning Cycle
• Implement a variety of research methods
• Identify and collaborate with research and conservation partners available in your community

Once-in-a-Lifetime Experience:
With EPI, you’ll get to spend a week in and around Yellowstone National Park, working with park scientists on habitat restoration and a study of America’s national mammal: the bison. You’ll also observe the famous Lamar Valley wolf packs, study Yellowstone’s hydrothermal features, and on the last day, take a celebratory rafting trip down the Yellowstone River.

<table>
<thead>
<tr>
<th>Dates</th>
<th>Research &amp; Service Hours</th>
<th>Coursework Hours</th>
<th>Focus</th>
<th>Tuition</th>
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<td>8/5-8/13, 2019</td>
<td>10</td>
<td>30</td>
<td>NGSS, lesson planning, ecology of Yellowstone</td>
<td>$1,895.00 + airfare</td>
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SAMPLE ITINERARY

Day 1: Arrive in Bozeman, Montana
- Get to know your instructor team
- Head to your camp on the edge of Yellowstone National Park
- Learn about projects you’ll contribute to this week with the National Park Service

Days 2-4: Research & Conservation
- Collect data for Yellowstone National Park’s bison team
- Remove fencing & invasive plants to enhance wildlife habitat and migration
- Monitor amphibians across the Custer Gallatin National Forest
- Camp under the stars of Montana’s Big Sky Country

Days 5-7: Research & the 5E’s
- Observe wolves in the amazing Lamar Valley with a wolf education specialist from the park
- Visit Yellowstone’s hydrothermal features, including geysers, mud pots, and colored hot springs
- Explore the wilds of the Yellowstone High Country

Day 8: Course Culmination & Rafting
- Create a framework for integrating your newly acquired NGSS skills into the classroom
- Raft the Yellowstone River, one of the West’s most storied rivers
- Celebrate your completed course and the hard work you’ve done for the park

Day 9: Depart Yellowstone