

Bighorn Basin and Yellowstone National Park August 5-13, 2023 | \$2,800

Drexel Environmental Science Leadership Academy



DREXEL UNIVERSITY
College of
Arts and Sciences



Overview

Drexel Environmental Science Leadership Academy (DESLA) in Bighorn Basin, Montana, and Yellowstone National Park, Wyoming, is an exciting opportunity for high school students to gain hands-on field experience, learn about the history of the planet and discover the processes that shape the landscapes around us today, all set against the backdrop the country's most impressive natural wonders! Students do not need to have any formal geology education to attend this summer camp. The DESLA staff on this adventure is composed of all-star Drexel professors from the [Department of Biodiversity, Earth and Environmental Science \(BEES\)](#) and expert scientists from the [Academy of Natural Sciences of Drexel University](#), America's oldest natural history museum, located in Philadelphia, PA.



No formal geology education is needed to attend this summer camp where students will gain hands-on field work in fossil and geoscience research at the Bighorn Basin and Yellowstone-Bighorn Research Association (YRBA) camp.

Program Details

DATES/TIME	August 5-13
LOCATION	Bighorn Basin, Montana and Yellowstone National Park, Wyoming
FORMAT	In-person, residential. Room, board, and most meals are included in program cost. Students will be responsible for transportation to and from the program site in MT at the start and end of the program.
COSTS	\$2,800
ELIGIBILITY	Rising high school sophomores, juniors and seniors.
DEADLINE	April 30, 2023
QUESTIONS?	Email desla@drexel.edu
SCHOLARSHIPS	A limited number of need-based scholarships are available for students accepted to one of the DESLA programs. See application for more details.
FEE WAIVER	Participants who apply to Drexel University will receive an undergraduate application fee waiver.

SAMPLE SCHEDULE – August 5-13, 2023

Program content and sequence may change due to weather, staff schedules or other circumstances.

Day 1: Arrive

- Introductions and Orientation
- Introduction to Rocks and Minerals

Day 2: Introduction to Field Geology onsite at YRBA

- Evening Program: Geology of the Red Lodge and Bighorn Basin area

Day 3: Basin Lakes Hike

- Evening Program: Mock Town Meeting: Ethics of Groundwater Extraction

Days 4 and 5: Big Horn Basin Paleontology

- Evening Program Day 4: Nature Sketching & Stargazing
- Evening Program Day 5: Geo-heritage Discussion

Day 5 – Yellowstone National Park

- Travel to Yellowstone
- Lunch In the field at Canyon Village
- Explore Mud Volcanoes and Sulfur Churning Cauldrons
- Waterfalls by Artist Point
- Evening Activity: Yellowstone: Worst Case Scenarios Discussion

Days 6, 7, and 8: Yellowstone National Park

- Participate in ongoing research program using LiDAR
- Experience the sites and smells of hot springs, geysers, and mudpots

Day 9: Depart

