

## ***ROCKY MOUNTAIN ADVENTURE FOR TEACHERS***

### ***July 18-19, 2018 -- 2 credits – Wild and Wonderful Wetlands***

**Instructors:** Alana Jensen, Chloe Doucette

**Supervising Instructor:** Rod Hansen

*The landscape surrounding Idaho Falls is unsurpassed in all of North America. Known for its diversity in geology, biology, and ecology, the landscape is bordered on the west by the Snake River Plain characterized by its stark, barren lava flows and sagebrush dominated landscape. To the east, the rugged Teton Range dominates the landscape, while to the north lies the spectacular Yellowstone Plateau. It would be difficult to find a more attractive landscape for the study of science! We'll observe and study the living and nonliving elements of Idaho's landscape, and provide a wealth of field activities which can be adapted to any grade level. We'll take a multidisciplinary approach as we weave English, History, Sociology, Math, and Art throughout this scientific course. As we will be hiking one-half to two miles each day, you will need to be moderately fit.*

#### **What to bring:**

- \* Mountain weather clothing layers - windbreaker, raingear
- \* Comfortable and sturdy walking shoes
- \* Binoculars, hand lens, camera - optional but suggested
- \* Sunscreen, bug repellent, hat
- \* Lunch each day, snacks, water
- \* Notebook, pen/pencil, plastic bags for plant collection
- \* Backpack or fanny-pack

#### **Where to meet:**

The Museum of Idaho is working on an expansion and our normal classroom space will be demolished. Information on where to meet will be posted to the website and sent out to participants before the camp begins.

#### **After Class:**

Since this is a two credit course, you must spend a minimum of 10 hours outside of class developing a project or lesson plan appropriate to your grade level and subject matter that explores the diversity of wetlands. Details on this assignment will be provided on the first day of class and assignment will not be due until July 19<sup>th</sup>, 2018.

#### **Daily class schedule:**

Wednesday, July 18

- 8:00 – 8:30 Meet and Greet (make file folder journals)
- 8:30 – 11:00 Travel to Market Lake and explore the plants and soils of a wetland
- 11:00-12:00 Lunch (make sure to bring a sack lunch as we will be eating at Market Lake)
- 12:30-2:30 Explore the insects that live in wetlands and discover citizen science projects
- 2:30 – 4:00 Wetland Management dodgeball
- 4:00 - 6:00 Assignment Details

Thursday, July 19

- 8:00 – 8:30 Meet and load van
- 8:45- 10:00 Travel to Camas Wetlands
- 10:00 – 11:00 Cattail Invention challenge
- 11:30- 1:00 Wetland Fun and Games (handkerchief art, food chain game, bird migration simulation)
- 1:00 – 3:00 Lunch and Return to Museum of Idaho
- 3:00-5:00 Noxious weeds
- 5:00- 6:00 Final assignment question and answer and wrap up