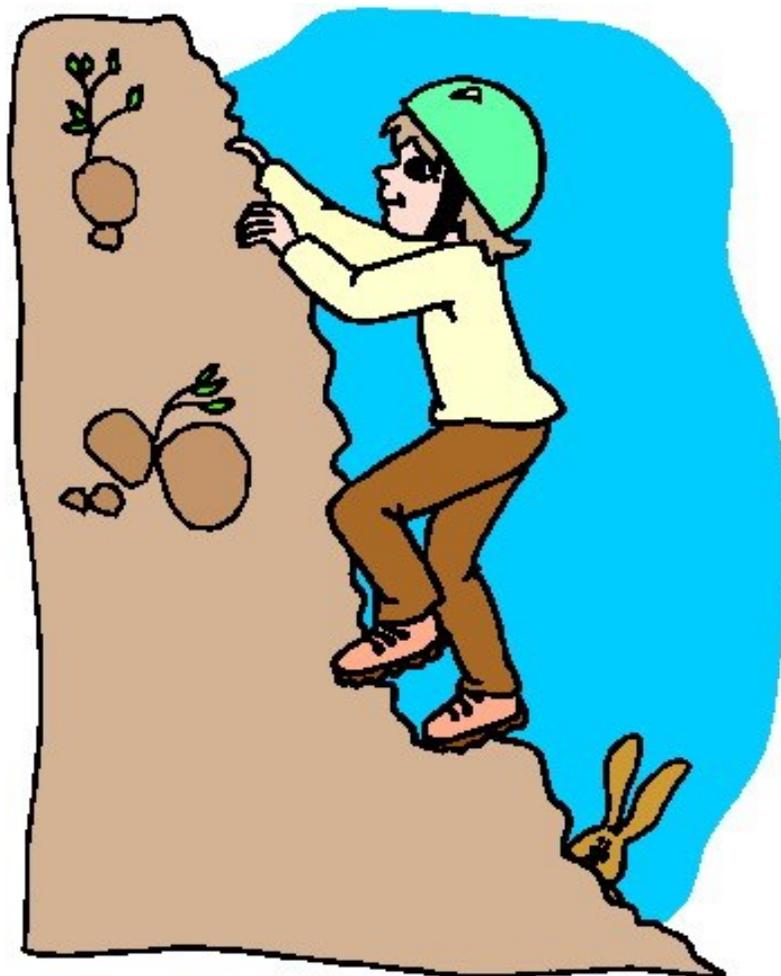




School Programs



Fall 2016

Our programs meet state and national education standards.

PRESCHOOL, ELEMENTARY, MIDDLE, and HIGH SCHOOL

Mondays: No School Programs

Regular school programs dates (classes of 10 to 30):

September: 15, 16, 21, 22, 23, 28, 29, 30

October: 5, 6, 7, 12, 13, 14, 19, 20, 21, 26, 27, 28

November: 2, 3, 4, 16, 17, 18, 19, 30

December: 1, 2, 7, 8, 9, 14, 15, 16, 21

- * There are many program options for classes under 30 students. Please contact me with questions or specific requests.

Free Adventure Days (FAD): (Class groups of 31– 100)

September
13, 20, 27

October
4, 18, 25

November
1, 15, 22, 29

December
6, 13, 20

- ♦ Preschool programs require 1 adult per 4 students. Please provide 1 adult per 10 students for school programs.
- ♦ Larger schools groups may need to come on separate days. Contact me if you need ideas.
- ♦ Smaller schools may combine close grade levels to fill the maximum number, or join another smaller school for the day.
- ♦ FAD days: Students in four groups are rotated through 4 programs. Please choose 2 outdoor education programs and 2 environmental education programs from the brochure.
- ♦ Each student, chaperone and teacher must also bring a sack lunch.



Environmental Education (P-2)

Programs integrate state and common core standards into each session. PK-2 grade programs are 45 minutes. Third grade and up are 60 minutes, unless otherwise noted.

Fishing Fun (P-1)

Children learn about fish adaptations and how to identify common SD fish. Science K-LS1-1, 1-LS1-1; Common Core S.L.K-1.1

Tracks! (P-1)

Students will learn about animal movement and the tracks that they leave behind. Science K-ESS3-1, 1-LS1-1 Common Core S.L.K-2.1

“B” is for Bats (P-1)

Learn about bats of the world and of SD. Discover the types of bats and their importance in nature. Science K-ESS3-1, 1-LS1-1 Common Core S.L.K-1.1, SL.K-1.5

Hides and Skulls (P-2)

Learn about animal features. How to tell predator and prey from their skulls and what type of habitat an animal lives in by it's 'coat'. Science K-LS1-1, K-ESS3-1, 1-LS1-1, 2-LS4-1 Common Core S.L.K-2.1, SL.K-2.5

Waterbugs (P-2)

Students will explore Lime Creek, collect water bugs, and learn about their unique lifecycles. Science K-ESS3-1, 1-LS1-1, 2-LS4-1 Common Core S.L.K-2.1, SL.K-2.5

Bird Beak Buffet (P-2)

Students will learn about the special functions of bird beaks. Science K-LS1-1, K-ESS3-1, 1-LS1-1, 2-LS2-2; Common Core S.L.K-2.1

Environmental Education (P-2)



Field Study Fun (K-2)

Students investigate a field study plot to observe plant and animal interactions. Science K-LS1-1, K-ESS3-1, 2-LS4-1 Common Core S.L.K-2.1, SL.K-2.5

Habitat Hike (K-2)

Students explore the characteristics and wildlife of South Dakota habitats. Science K-LS1-1, K-ESS3-1, 2-LS4-1 Common Core S.L.K-2.1

Looking at Leaves (K-2)

Practice observation skills by comparing leaves and making a leaf collection. Learn to identify several common leaves Science K-ESS2-2, K-ESS3-1, 1-LS1-1, 2-LS4-1; Common Core S.L.K-2.1, SL.K-2.4

Hiding in Plain Sight (K-2)

Students learn about an important adaptation of many wild animals, camouflage. Science K-LS1-1, K-ESS3-1, 1-LS1-1, 2-2-LS4-1 Common Core S.L.K-2.1, SL.K-2.5

“T” is for Turkeys (K-2)

Learn what makes turkeys special and what they like to eat. Science K-LS1-1, K-ESS2-2, 1-LS1-1 Common Core S.L.K-2.1, SL.K-2.5

Wetland Water Safari (1-2)

Students explore a wetland and the unique features that wetlands contain. Students will practice recording observations in a field notebook. Science 1-LS1-1, 2-LS4-1, 2-ESS2-1, 2-ESS2-2, Common Core S.L.K-2.1

Seed Need (2)

Children explore seeds as food for people and animals and learn how seeds are spread. Science 2-LS2-2 Common Core S.L.2.1

Environmental Education (3-5)



Discoveries at Lime Creek (3-5)

Explore Lime Creek and the organisms that live within and around the creek. We focus on habitat features, adaptations, and relationships between species. Science: 3-LS1-1, 3-LS3-2, 3-LS4-3, 4-LS1-1, 5-PS3-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Every Tree for Itself (3-5)

Learn the anatomy of a tree and the environmental factors that effect tree growth (life cycle) and survival. Learn how trees are adapted to their environment. Science: 3-LS1-1, 3-LS3-2, 3-LS2-4, 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS1-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Beginning Botany (3-5)

Explore trees at the Outdoor Campus. Make observations and inferences about trees adaptations and learn how to identify some common trees in western South Dakota.

Science: 3-LS3-1, 3-LS3-2, 3-LS4-3, 3-LS4-4, 4-LS4-1, 5-LS2-1, 5-LS1-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Habitat Hike (3-5)

Explore habitats and the species within those habitats. Learn about the special features organisms have to survive and thrive in their habitat.

Science 3-LS3-3 3-LS3-2, 4-LS1-1, 5-LS2-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Fall Garden Discoveries (3-5)

Students will spend time in the Outdoor Campus garden learning about plant and garden growth. Students will also learn about the importance of gardens and their inhabitants. Science 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS2-1

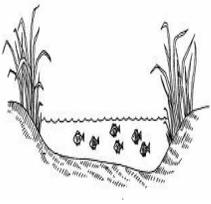
Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Decomposer Detectives (3-5)

Learn about producers, consumers and decomposers. Explore decomposers special functions in nature and their role in transporting energy. Science: 3-LS2-1, 3-LS4-3, 4-LS1-1, 5-LS2-1, 5-PS3-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Mapping the Earth (4)

Learn how to read various maps and use the information read on the maps to describe Earth's features. Science 4-EESS2-2



Environmental Education (3-8)

Wild Engineers (3-8)

Use the engineering process to solve human problems by modeling animal engineering. Science 3-LS2-1, 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS2-1

Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Water Cycle and Watersheds (5)

Journey through the water cycle and learn how water flows through a water shed. Science: 5-ESS2-1, 5-ESS2-2

Habitat Survivor (5)

Learn about producers, consumers, and decomposers in different habitats. Discover how organisms move energy through the food web.

Science 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-PS3-1, 5-LS2-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

The Case of the Disappearing Log (5-8) *1.5 hours

Students will use observations and reasoning to solve a mystery about a disappearing log. This is an inquiry based program focusing on decomposers. Science: 5-LS2-1, MS-LS1-6, MS-LS2-3, Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Bark Beetle Exploration (4-8) *1.5 hours

Students will use observations and reasoning to study and identify bark beetle galleries. This is an inquiry based program focusing on beetles and how they live.

Science: 4-LS1-1, 5-LS2-1, MS-LS1-6, MS-LS2-3, Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

Nature Scene Investigation (4-8)

Students will formulate their own observations, questions, and explanations from evidence about what they find in nature.

Science: 4-LS1-1, 5-LS2-1, MS-LS1-6, MS-LS2-3 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6



Environmental Education (6-12)

Oh Deer! (6-12)

Explore resources availability for populations. Role play in a game and collect data about population fluctuation. Interpret data and make predictions about patterns of interactions in populations, and changes to an ecosystem. Science: MS-LS2-1, MS-LS2-2, MS-LS2-4, MS-LS4-4
Common Core SL.6-8.2, SL.6-8.3, SL.6-8.4, SL.6-8.6

Wild Engineers (6-12)

Discover nature's engineers and use their engineering adaptations to plan, create, and build models that will minimize human impact on the environment. Science: MS-ESS3-3, HS-LS2-7
Common Core SL.6-8.2, SL.6-8.3, SL.6-8.4, SL.6-8.6

Water Quality Study (6-12) *1-1.5 hrs

Explore Lime Creek macro-invertebrates as indicator species. Collect and interpret data to determine the quality of water flowing through the creek. Predict how the biodiversity of organisms may change throughout the seasons. Learn about point and non-point source pollution. Science: MS-LS-2, MS-LS-2-3, MS-LS-2-4, MS-LS-2-5

Wonders of Wetlands (6-12)

Explore the unique features of wetlands and riparian zones. Learn about the positive effect of wetlands on biodiversity and the ecosystem, and the negative effects of wetland destruction. Science: MS-ESS2-4, MS-LS2-3, MS-LS2-4

Dendrology (6-12)

Make observations and inferences about tree adaptations and observe tree characteristics to practice identifying specimens and determine the importance of tree identification.
Science: MSMS-LS2-5

Dendrochronology (6-12)

Observe tree rings and learn how scientists use rings to age the trees and determine past climate and conditions the tree lived through..
Science: MS-ESS3-5, MS-LS2-1,



Outdoor Education (P-2)

Back Yard Bass (P-K)

Learn about fishing basics/types of fish | South Dakota and practice casting to catch a pretend bass.

Let's Go Fishing! (K-2)

Learn what fish like to eat, then try to catch one in our pond with rods just your size.

Let's Go Hunting! (P-2)

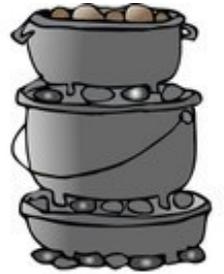
Learn about hunting safety and why people hunt. Then take a hike tracks and sign of animals and use the Nerf guns or bows to shoot at the deer and turkey targets.

Outdoor Education (3-12)

Team Building/Group Challenge (5-12)

Work together as a team through challenges and games. Each team building session will focus on a specific attributes (communication, team-work, listening, trust, etc.)

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12



Dutch Oven Cooking 101 (6-12)

Pioneers who ventured into the wilderness did so without lots of things, but great food was not one of those things. Lewis and Clark's journals describe sumptuous meals of roast buffalo hump, sourdough bread, pies and bread pudding larded with wild fruits and nuts. Like pioneers we can use the same methods. Students will learn the art of Dutch Oven Cooking. (Maximum 20 Students)

Physical Education Standards S1.M22, S2.M13, S3.M17, Common Core SL.7-12, 6-8.RP, 6-8.G



Outdoor Education (3-12)

Orienteering or GPS(5-12)

Learn how to find your way using a map and compass or GPS units. All equipment will be provided.

Physical Education Standards S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6
Common Core SL.7-12

Archery Basics (3-12)

We will learn about safety and archery equipment, then practice our skills using compound bows to shoot at 3D targets.

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12

Pellet Gun Basics (3-12)

Learn basic gun safety, shooting positions and techniques. Your shooting skills and safe gun handling will improve with every shot.

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12

Basic Canoe/Kayak Paddling (4-12)

Learn the basics of flat-water paddling in canoes and kayaks. Course includes basic safety, paddling strokes, and hands-on practice on our pond. Wear shoes and clothes that can get wet!

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12

Fishing

Learn basic fishing safety and casting techniques, then use this knowledge to fish in the pond.

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12



Outdoor Education (3-12)

Nature Photography (5-12)

Use observations skills to capture nature in unique ways through photography. Cameras provided. (Maximum 20 students)

Common Core SL.7-12

Snow Shoe Basics (3-12)

Learn snow shoe techniques and experience snow shoeing through the campus. This program is dependent on weather and snow conditions.

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12

Rock Climbing (3-12)

Learn the basics of rock climbing and climb on our mobile rock wall.

This program is dependent on weather.

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12

Outdoor Survival (3-12)

Learn how to plan for an outdoor adventure. Discover what to pack, and how to help prevent uncomfortable or dangerous situations. Test your knowledge in simple shelter and fire building.

Physical Education Standards S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6

Common Core SL.7-12

Fly Fishing (7-12)

Learn basic fishing safety and casting techniques, then use this knowledge to fish in the pond. (Maximum 16 students)

Physical Education Standards S3.E2.K-5, S4.E1-6.K-5, S5.E1-4.K-5, S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12

Leave No Trace-Wilderness Ethics (7-12)

Discover our relationship to the natural world and learn how we can conserve our natural resources.

Physical Education Standards S1.M22, S2.M13, S3.M1-5, S4.M1-7, S5.M3-6 Common Core SL.7-12



Career Launch (ages 16-adult)

This is a “job shadow” program that provides hands-on experience for students who may have an interest in working in the areas of Outdoor Education, Law Enforcement, Fisheries, Wildlife or Habitat Management or related fields. Students will receive a certificate for each session after completing a post-session survey. Each session is limited to 10 students. Students will be sent a reminder 1 week in advance and must confirm at that time that they are coming or their name will be removed and replaced by someone on the waiting list.

How to apply:

Step 1: Send in the **Career Launch Application** and **Liability Waiver** (available on our website under “teacher link”) to the School Programs Coordinator, Katie Wiedrich at katie.wiedrich@state.sd.us or fax to her at (605) 394-1793.

Step 2: Confirm with Katie when you receive the reminder 1 week in advance.

Please dress for the outdoors and inclement weather: rain, wind, sun, etc....sunscreen, hat, glasses...

How to receive a certificate of completion:

Step 1: Sign in at the beginning of each session you attend and check your contact information to make sure it is correct.

Step 2: Complete the post survey.

If you have any questions or comments please contact:
Katie Wiedrich at 394-2528 or katie.wiedrich@state.sd.us

Please arrive on time. All sessions begin promptly at 1:30 pm and may last up to 5:00 pm. It is very disruptive to have students arrive late and it is the sole discretion of the School Programs Coordinator whether or not a late student will receive a certificate of completion.

September 21	Session 1: Fisheries
October 5	Session 2: Outdoor Education
October 19	Session 3: Wildlife
November 2	Session 4: Habitat
November 16	Session 5: Conservation Law

Self-Guided Field Trips

School or preschool groups may visit The Outdoor Campus-West on their own. This option is popular with groups who are not able to schedule a field trip led by staff.



The following guidelines will help make your trip successful:

- ⇒ **You must call and schedule your group in advance.** This prevents conflict with other groups and Outdoor Campus programs.
- ⇒ Plan 1 to 2 hours to visit the campus facility and grounds.
- ⇒ You may pickup scavenger hunt worksheets at the front table as you enter the building. These hunts provide a more in-depth exploration of the inside exhibits.
- ⇒ Dress for the weather and plan time to explore the grounds and “natural playground” outside.

Critter Crates

We have crates of teaching materials that you can borrow for up to two weeks with a security deposit of \$75. We are not able to take credit cards. When the crate is returned and after a satisfactory inventory of its contents, your check will be shredded or returned. These are the crates that we lend:

Elk Trunk

Bat Crate

Critter Crate

Swift Fox Box

Cougar Crate

Fishing Kit

To reserve these crates contact staff at (605) 394-2310 or TOCWest@state.sd.us

Program Request Procedures

Due to the popularity of our Adventure Days and limited staff, Adventure Days are chosen through a lottery. **After the lottery, remaining program slots will be filled by submitting a request form and receiving a confirmation on a first come, first serve basis.**

The request form is included in the program brochure and will be available on-line and at the Campus and is required.

PROGRAM REGISTRATION

Requests received before September 6th will be given priority for programs. After this date programs will be scheduled on a first come first serve basis.

⇒ **School programs are free.**

⇒ **Thank a hunter or angler for supporting our education efforts!**

There are several ways to request a school field trip at The Outdoor Campus-West:

1. Pick up a request form at the Campus, or download the application from our website at www.outdoorcampus.org Click "Rapid City", then "Teachers" on the right column.
2. **Complete the entire request form and return by one of the options below:**

- ♦ E-mail: katie.wiedrich@state.sd.us
- ♦ Fax: (605) 394-1793
- ♦ Mail or deliver in person to:

*School Programs, The Outdoor Campus-West
4130 Adventure Trail
Rapid City, SD 57702*

Request for School Programs

Request form must be filled-out completely to be considered.

Contact Person: _____

Work Phone: _____ Home Phone: _____

School: _____

Address: _____

City: _____ State: _____ Zip Code: _____

E-mail: _____

Number of Students _____

Grade: _____ Ages: _____ to _____

Special Concerns (Please indicate any students with mobility, disability, health, allergies, photo restrictions, or other concerns): _____

Program Requested: (FAD - choose 2 outdoor education and 2 environmental education):

Preferred Dates and Times (choose 3-4 in order of preference):

	<u>Date</u>	<u>Arrival Time</u>	<u>Departure Time</u>
1 st choice	_____	_____	_____
2 nd choice	_____	_____	_____
3 rd choice	_____	_____	_____
4 th choice	_____	_____	_____

Other teachers that are attending with you? _____
(name of other teacher)

Additional Comments/Questions:



Contact Information

School Programs
The Outdoor Campus-West
4130 Adventure Trail
Rapid City, SD 57702
(605) 394-2528

Email: katie.wiedrich@state.sd.us
or tocwest@state.sd.us

Website: www.outdoorcampus.org

Facebook: outdoorcampuswest

Twitter: outdrcampuswest

