

**FREE
PROGRAMS!**

The Outdoor Campus-West

South Dakota Department of
Game, Fish and Parks

School Programs



Spring 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):

March: 9, 11, 16, 17, 18, 22, 23, 24, 30, 31

April: 1, 6, 7, 8, 13, 14, 15, 20, 21, 22, 27, 28, 29

May: 4, 5, 6, 11, 12, 13, 18, 19, 20, 25, 26, 27

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

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

March

8, 15, 22, 29

April

5, 12, 19, 26

May

3, 10, 24

- ♦ Preschool programs require 1 adult per 3 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.
- ♦ Students in four groups are rotated through 4 programs for FAD days. 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 (PK-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 noted.

Tracks! (P-2)

Students will learn about animal movement and the tracks that they leave behind. Early Learning Science Standards 1, 3; Science K-ESS3-1, 1-LS1-1; Common Core S.L.K-2.1

Bird Beak Buffet (P-2)

Students will learn about the special functions of bird beaks. Early Learning Science Standards 1, 3; Science K-LS1-1, K-ESS3-1, 1-LS1-1, 2-LS2-2; Common Core S.L.K-2.1

Waterbugs (P-2)

Students will explore Lime Creek, collect water bugs, and learn about their unique lifecycles. Science K.L.1.1, K-LS1-1, 1-LS3-1, 2-LS4-1 Common Core S.L.K-2.1, SL.K-2.5

Hiding in Plain Sight (P-2)

Students learn about an important adaptation of many wild animals, camouflage. Early Learning Science Standards 1,3; 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

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'. Early Learning Science Standards 1, 3; 1-2.L.3.1; Science K-2.N.2, 1.L.3.1, 2.L.3.2; Common Core S.L.K-2.1, SL.K-2.5

Grow As We Go (P-2)

Students explore the life cycles of familiar wildlife and understand that living things grow and change. Early Learning Science Standards 1, 3; 1-2.L.3.1; Science K-LS1-1, K-ESS3-1, Common Core S.L.K-2.1, SL.K-2.5

Digging into the Garden (K-2)

Students will spend time in the learning garden here on campus. Learn about what plants need to grow and how to get the garden ready. Science K-LS1-1, K-ESS3-1, Common Core S.L.K-2.1, SL.K-2.5

Environmental Education (PK-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

Wildlife Water Safari (K-2)

Students discover water sources for local wildlife and create a field notebook. Science K-LS1-1, K-ESS3-1, 1-LS1-1, 2-LS4-1 Common Core S.L.K-2.1, SL.K-2.5

Habitat Hike (K-2)

Explore the outdoors and learn about different South Dakota habitats and what lives in them and why. Science K-LS1-1, K-ESS3-1, 2-LS4-1, Common Core S.L.K-2.1

Worms (K-2)

Students will explore worms and how they help the environments. Worms will be either earth worms or red wigglers depending on availability. Earth worms will focus on their importance to plants and gardening. Red wigglers focus on composting. Science K-LS1-1, K-ESS2-1, K-ESS3-1, 2-LS4-1; Common Core S.L.K-2.1



Outdoor Education (P-2)

Let's Go Fishing/Ice Fishing (P-2)

Learn what fish like to eat, then try to catch one in our pond with rods just your size. Please wear a hat and sunglasses for your safety. Early Learning Science Standards 1; Science Standards K.L.1.1, 1-2 L.3.1

Let's Go Hunting! (P-2)

Hunt for turkeys and deer. Take a hike on the trail to find tracks and sign. Use the Nerf guns and bows to shoot at the deer and turkey targets. Early Learning Science Standards 1; Science Standards K.L.1.1, 1-2 L.3.1

Environmental Education (3-5)



Bird Adaptations or Bird Beaks(3-5)

Students will identify the advantages of bird adaptations and determine the importance of those adaptations.

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

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-LS3-1, 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. Explore how trees move water and create energy through photosynthesis. Discover special adaptations trees use to protect them from other organisms.

Science: 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

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 Survivor (3-5)

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

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-PS3-1, 5-LS2-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

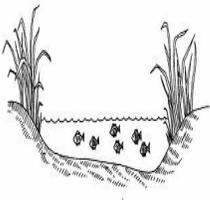
Habitat Hike (3-5)

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

Science 3.L.1.2, 3.L.3.2, 3.L.3.3, 3-LS3-3 3-LS3-2, 4-LS1-1, 4.L.2.1, 5.L.3.1
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



Environmental Education (6-12)

Pine Beetles in the Black Hills (6-12)

Learn about how and why Pine Beetles have affected trees in the Black Hills. Learn about relationships between populations and resources.

Science: MS-LS2-1, MS-LS2-2, MS-LS2-3, MS-LS2-4

Common Core SL.6-8.2, SL.6-8.3, SL.6-8.4, SL.6-8.6

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

Black Hills Natural History (6-12)

Learn about the geologic history of the Black Hills and how that has created the habitats and environments we see today.

Science: MS—ESS2-1, MS-ESS2-3, MS-LS4-2, MS-LS.4-1

Common Core SL.6-8.2, SL.6-8.3, SL.6-8.4, SL.6-8.6

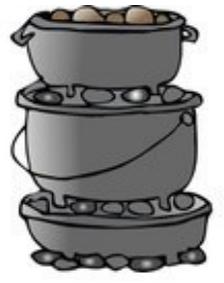
Water Quality Study (6-12)

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

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

Outdoor Survival (4-12)

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

Orienteering or GPS(7-12)

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

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

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)

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

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

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

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

Teacher Workshop!

Creek Freaks

June 2nd-3rd, 2016

9am-5pm

- ⇒ Graduate credit may be available! \$30 registration fee covers materials, curriculum, and lunch both days.
- ⇒ Need more information?
Katie: 394-2528 or email: katie.wiedrich@state.sd.us
- ⇒ Registration:
<https://apps.sd.gov/GF49OutdoorCampus/DisplayClasses.aspx>

Program Request Procedures

Due to the popularity of our school field trips and limited staff, school field trips 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 February 12th will be given priority for programs. After this date programs will be scheduled on a first come first serve basis. Spring programs fill up quickly!

⇒ **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

