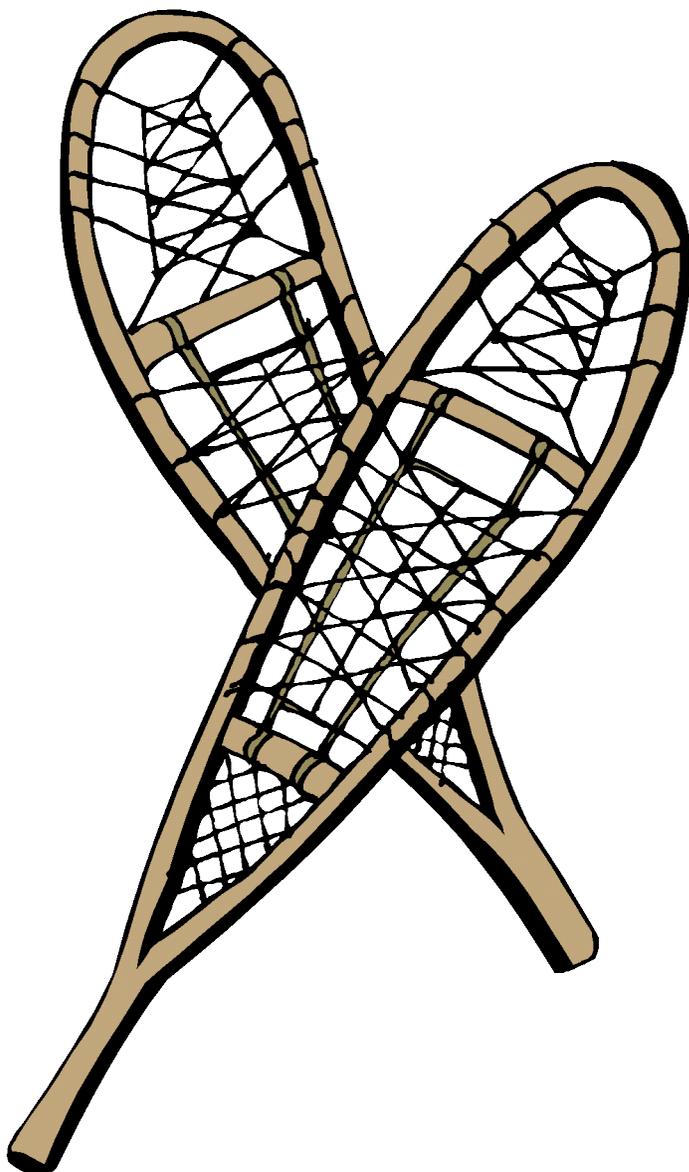


**FREE  
PROGRAMS!**

# **The Outdoor Campus-West**

South Dakota Department of  
Game, Fish and Parks

## **School Programs**



**Winter 2015/2016**

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):**

December: 9, 10, 11, 16, 17, 18,

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

February: 3, 4, 5, 10, 11, 12, 17, 18, 19

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

**December**  
**8, 15**

**January**  
**5, 12, 19, 26**

**February**  
**2, 9**

- ♦ 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. Please choose 2 outdoor skills programs and 2 environmental education skills 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

## **Spiders (P-2)**

Students will learn about the importance of spiders in nature and their unique adaptations.

Early Learning Science Standards 1, 3; Science K-ESS3-1, K-ESS2-2, 1-LS1-1; Common Core S.L.K-2.1

## **C is for Cougar (P-2)**

Students will learn about cougars in the Black Hills and their importance to the ecosystem. Early Learning Science Standards

1, 3; Science K-LS1-1, K-ESS3-1, 1-LS3-1, 2-LS4-1; Common Core S.L.K-2.1, SL.K-2.4

## **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

## **Trees in Winter(K-2)**

Students will learn about how trees survive and adapt in winter months.

Students will explore trees on campus. Early Learning Science Standards 1, 3; Science K-LS1-1, K-ESS2-2, 1-LS3-1, 2-LS2-1, 2-LS4-1

Common Core S.L.K-2.1, SL.K-2.5

## **Backbone Bonanza(K-2)**

Students will learn about vertebrates and characteristics that distinguish them from other organisms.

Early Learning Science Standards 1, 3; 1-2.L.3.1; Science k-LS-1, k-ESS3-1, 1-LS3-1, 1-LS1-1, 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

## **Animals in Winter (K-2)**

Students will learn about special adaptations of animals that allows them to survive in winter. Science K.L.1.1, K-LS1-1, 1.L.1.3, 1.L.3.1, 1-LS1-1, 2.L.1.2, 2.L.2.2, 2-LS4-1, 2-LS4-1; Common Core S.L.K-2.1

## **Horns and Antlers (K-2)**

Students will learn the difference between horns and antlers and the animals that have them. Science K-2.N.1.1, K-ESS2-2, K-ESS3-3, 2-EE1-1, 3.S.1.1 ; Common Core S.L.K-2.1

## **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, 1.L.3.1, 2-LS4-1, 3.L.1.2, 3.L.3.2, 3.L.3.3, 3-LS3-3 3-LS3-2; Common Core S.L.K-2.1

## **Owl Pellets K-2**

Students will learn about food chains and the digestive system of owls.

Science 1-2.N.1.2, 1.L.1.3, 1-LS1-1, 2-LS4-1, 2-ESS2-1, 2-ESS2-2, 3-LS3-2, 3-LS4-2, 3-LS4-3, 3-LS4-4, 3-ESS3-1, 3.L.3.3

Common Core S.L.K-2.1



# **Outdoor Skills (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)



## **Entomology (3-5)**

Learn about the special adaptations of insects and their unique life cycles.

Science 3-LS1-1, 3-LS4-3, 4-LS1-1, 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

## **Owl Pellets (3-5)**

Learn about the digestive system of an owl and food chains.

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

## **Wild Engineers (3-5)**

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

## **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

## **Trees in Winter (3-5)**

Explore trees at the Outdoor Campus. Make observations and inferences about trees adaptations and learn how to identify some common trees during winter.

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

## **Snow School (3-5)**

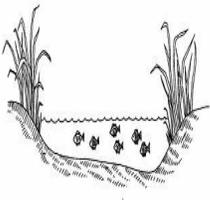
Use science practices to develop investigations to learn about the properties of snow and heat transfer.

Science 3-LS4-3, 3-ESS3-1, 4-LS1-1 Common Core SL.K-5.2, SL.K-5.3, SL.K-5.6

## **Energy Pipeline (5)**

Students will model and describe how energy moves through the trophic levels and identify that energy comes from the sun.

Science: 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

## **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

## **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

## **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

## **Population Puzzles (6-12)**

Learn about the connection between genetics and population increase in certain environments.

Science: MS-LS4-4, MS-LS4-6

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

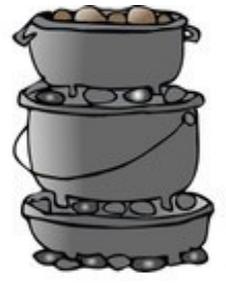
## **Microbes in Winter (6-12)**

Discover the micro-organisms that live in a wetland and pond in winter. Learn about trophic levels and the importance of wetlands.

Science: MS-LS1-6, MS-LS-2-1, MS-LS-2-3, MS-LS-2-5

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

# Outdoor Education (6-12)



## **Snow School (4-12)**

Use the science practices to conduct an experiment about snow and heat retention.

Physical Education Standards S1.M22, S2.M13

Science Standards 4-PS3-3, 4-PS3-4, 5-PS1-3, MS-PS3-3, MS-PS3-4, MS-

## **Outdoor Survival (7-12)**

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 (7-12)**

Learn how to find your way using a map and compass.

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 Skills Options

## **Snow Shoe Basics (ages 8 and up)**

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

## **Archery Basics (ages 8 and up)**

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 (ages 8 and up)**

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 (ages 8 and up)**

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 or Ice 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 (ages 8 and up)**

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

# 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](mailto:TOCWest@state.sd.us)

# 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.** If your class is over 30 students, please request one of the FAD dates. We cannot accommodate larger classes on other dates due to staffing.

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

## PROGRAM REGISTRATION

The lottery period for winter ends on

**Wednesday, November 18th at 1:00 pm.**

- ⇒ School programs are free.
- ⇒ Thank a hunter or angler for supporting our education efforts!

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

1. Pick up an application at the Campus, or download the application from our website at [www.outdoorcampus.org](http://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](mailto: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 for 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: Please choose only one program

(Unless it is a FAD date — then choose 2 outdoor skills 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 <sup>st</sup> choice	_____	_____	_____
2 <sup>nd</sup> choice	_____	_____	_____
3 <sup>rd</sup> choice	_____	_____	_____
4 <sup>th</sup> 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

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or [tocwest@state.sd.us](mailto:tocwest@state.sd.us)

Website: [www.outdoorcampus.org](http://www.outdoorcampus.org)

Facebook: outdoorcampuswest

Twitter: outdrcampuswest

