FREE CLASSES!

The Outdoor Campus-West

South Dakota Department of Game, Fish and Parks

School Programs

Spring 2014

School Program Information

Our programs meet state and national education standards.

PRESCHOOL, ELEMENTARY, and HIGH SCHOOL

We will be offering regular school programming four days a week- **Tuesday**, **Wednesday**, **Thursday**, and **Friday** (except for those reserved for **Friday Adventure Days (FAD)** (**see below**).

Available dates are:

March	**April**
5-6, 11-12, 14, 18-20, 25-28	**1-3, 8-10, 15-17, 29-30**
May	**June (Summer School)**
1, 6-8, 13-15, 20, 23, 27-30	**3-5, 10-13, 17-19, 24-27**

Friday Adventure Days

9:00 am to 2:00 pm on the following **Fridays**:

March 7, 21 April 11, 25 May 2, 16 June 6

See activities on the next page.

Friday Adventure Days

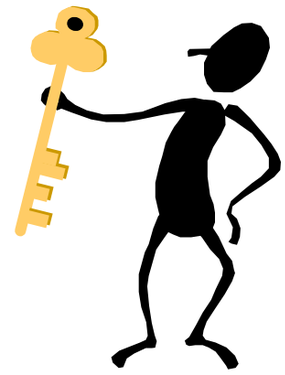
Limited to **4 classes of 20 students in each (total 80)** with a minimum of **8 chaperones** (at least 1 adult per 10 students). Larger schools may need to come two separate days. Smaller schools can combine close grade levels to fill the maximum number, or may be able to join another smaller school for the day.

FAD is an opportunity for the students to get out of the classroom and utilize the outdoor opportunities of The Outdoor Campus-West. These activities are a part of our Get Outdoors program.

Each student, chaperone and teacher must also bring a sack lunch. Due to the popularity of this day, schools are allowed to participate once a school year, and each grade is allowed to attend only one FAD program per school year. The extended block of time allows us to expose students to different outdoor skills and activities such as: **archery, camping skills, outdoor games, hiking, map** & **compass skills, firearm safety and shooting, survival skills, etc.**

Students are encouraged to participate in activities they enjoy and/or to try new things. FAD is open to students of all age groups, however certain programs are limited to older children (i.e. BB gun and air rifles). Therefore, it will be the sole discretion of our program staff to choose the appropriate activities for the age group.

Keys to Success:



When filling out the application, select 3-4 possible dates in case someone ahead of you has chosen your first date.
If you are riding a bus, application can be filled out for a maximum of two classrooms.

You may apply for only one program and one time slot per classroom per school year. After the drawing, open slots will be filled on a first-come, first-served basis.

Group Size:
To provide quality programming, the maximum class size for most programs has been set at 30 students or less.

Cost:
There are no fees for these programs. Thank a hunter or angler for supporting these education programs.

Cancellations:
Please notify us of all cancellations or adjustments to number as soon as possible so we can plan accordingly.

Chaperones:
The role of the chaperones is to participate and assist with the supervision of students. We request a 1 to 10 ratio for all field trips.

Application 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 an application and receiving a confirmation. If your class is over 30 students, please apply for a FAD date as we cannot accommodate larger classes on other dates.

The application is included in the program brochure and will be available on-line and at the Campus on Saturday, February 1st and is required.

DEADLINE

The application period for the spring lottery ends on

Friday, February 14 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:

Pick up an application at the Campus, or download the application from our website at **www.outdoorcampus.org**
Click "Rapid City", then "Teachers" on the right column.

Fill it out completely and return by one of the options below:

E-mail: **nicomas.redhorse@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

Application for School Programs

Please send in your class roster/names of chaperones & waivers (adults only) as soon as you are confirmed.

Please fill-out completely.

Contact Person: _____

Work Phone: _____ Home Phone: _____

School: _____

Address: _____

City: _____ State: _____ Zip Code: _____

E-mail: _____

Number of Students (min. 10 - max. 30) _____

Grade: _____ Ages: _____ to _____

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

_____

_____

Program Requested: (Choose only one):

_____

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

	Date	Arrival Time	Departure Time
1st choice	_____	_____	_____
2nd choice	_____	_____	_____
3rd choice	_____	_____	_____
4th choice	_____	_____	_____

Sharing a bus with another teacher? _____
(name of other teacher)

Additional Comments/Questions:

Career Launch (11th-undergraduate)

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, Fish, Game, Habitat, Law Enforcement or related fields. Students will receive a certificate for each session after completing their exit survey.

All applicants are required to go through the full volunteer application process prior to their first session. To do this please Contact the Volunteer Coordinator, Luke Mickelson at 394-2538 or luke.mickelson@state.sd.us

Feb 12 - Habitat **March 5 - Outdoor Education**

March 19 - Law **April 9 - Game** **May 7- Fish**

Get the application on-line, at The Outdoor Campus-West or at Partnership Rapid City. The program is open to all area students, not just Rapid City Area Schools.

Contacts for more information:

Liz Hamburg
Partnership Rapid City
Rapid City Area Schools (at General Beadle Community School), **Phone: 605-431-9876**

Nico Red Horse
The Outdoor Campus-West, South Dakota Game, Fish & Parks, **Phone: 605-394-2528**

Spring Program Options

The goals of the Outdoor Campus-West School Programs Pre K-2 are to introduce young children to the outdoors in a fun, active and non-threatening environment, and to integrate SD Early Learning Guidelines for Science, and the mission and goals of SD Game, Fish & Parks.

Most programs run 60 minutes, where programs run longer for older students it will be noted in the program description: Preschoolers age 3-4 plus adult partner; and K-2nd grade with a ratio of 10:1 adult chaperone .

Spider Web Wonders (P-1)

Children learn about spiders and spider webs.
Early Learning Science Standards 1, 3; Science K-1.N.2, 1.L.3.1; Common Core SL.K-1.1, SL.K-1.3

Looking at Leaves (P-2)

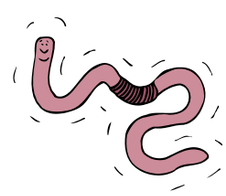
Children practice their observation skills by comparing leaves. Early Learning Science Standards 1, 3; Science K-2.N.2, K-2.P.1.1 Common Core S.L.K-2.1, SL.K-2.4

In A Grasshoppers World (P-2)

(Offered in late spring) Children observe grasshoppers in their natural habitat and study them. Optional* Make a terrarium habitat to take back to the classroom to study grasshoppers for 1 week. Early Learning Science Standards 1, 3; Science K-2.N.2, 1-2.L.3.1; Common Core S.L.K-2.1

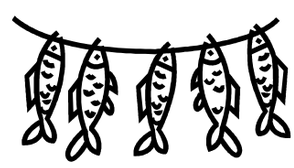
Wiggling Worms (P-2)

Children learn about and observe earthworms. Optional* Make a “Worm Hotel” to take back to the classroom to raise and study worms. Early Learning Science Standards 1, 3; Science K-2.N.2, 1-2.L.3.1; Common Core S.L.K-2.1



Fishing Fun (P-2)

Children engage in a dramatic play fishing game and learn about fish. Early Learning Science Standards 1, 3; Science K-2.N.2; Common Core S.L.K-2.1



Hiding in Plain Sight (P-2)

Children play a game of hide and seek to learn important adaptations in many wild animals. 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

Ants on Parade (K-2)

Children go outside to observe ant behavior and learn insect characteristics. Science K-2.N.1.1, 1.L.1.3, 2.L.3.1; Common Core S.L.K-2.1

Spring Cleaning (K-2)

Children will learn about weeds, and practice using child-size gardening tools in a friendly competition.
Science K-2.N.1.1, K-1L.1.1, 1.2; Common Core S.L.K-2.1

Diggin' the Doo (K-2)

Children will explore how kitchen scraps magically turn into soil through composting and make compost tea to water the Learning Garden. Science K-2.N.1.1, 1.2, K-1L.1.1, 1.2, 2.L.2.2; Common Core S.L.K-2.1

Float Like A Butterfly (K-2)

Children learn about the anatomy and lifecycle of a butterfly through visuals, crafts and games. (60–90 minutes)
Science K-2.N.1.2, 1.L.2.1, 2.L.2.2, 2.L.3.2; Common Core S.L.K-2.1

Worm with a View (K-2)

Children will use their math skills while learning about the anatomy of and importance of worms. The class will leave with their own worm hotel for the classroom. (60-90 minutes)
Science K-2.N.1.2, 2.L.3.1; Common Core S.L.K-2.1

Soil Science Safari (K-2)

Children explore soil and its properties. (60-90 minutes)
Science K-2.N.1.2; Common Core S.L.K-2.1

Bird Beak Buffet (1-2)

Children learn about the special functions of bird beaks. (60–90 minutes) Science 1-2.N.1.2, 1.L.3.1, 2.L.1.2; Common Core S.L.K-2.1

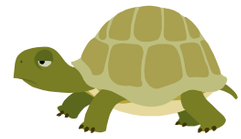
Wildlife Water Safari (1-2)

Children discover water sources for local wildlife and create a field notebook. Science 1-2.N.1.2, 1.L.1.3; Common Core S.L.K-2.1;

GLOBE: Exploring the Season (1-2)

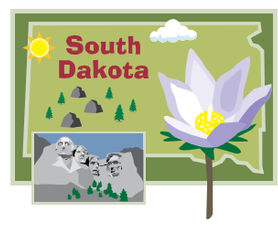
Students learn through story and observations outside during each season, and record in their journals. Science Standards 1-2.N.1.2, 1.L.3.1, 2.L.3.2; Common Core R.L.1.-2.1, W.1-2.2, SL.1-2.2

Miles & Miles of Reptiles (1-2)



Learn all about reptiles; what they look like, where they live and what they eat. Science Standards 1-2.N.1.2, 1.L.1.3, 1.L.3.1, 2.L.3.2; Common Core R.L.1.-2.1, SL.1-2.2

There's a Map on My Lap! (1-2)



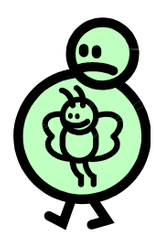
Discover different kinds of maps and have lots of fun learning how to use them. Science Standards 1-2.N.1.2, 2.E.1.2; Common Core R.L.1.-2.1, SL.1-2.2

The goals of the Outdoor Campus-West School Programs grades 2-12 are to teach youth about South Dakota's natural environment and resources, and to integrate SD State Education Standards and the mission and goals of SD Game, Fish & Parks.

Spring & Summer in the Garden (2-4)

There is fun to be had in the garden. We will do a variety of things depending on the date and weather...including preparing the beds and starting the seedlings, learning about wildlife habitat and pollination, water conservation, soil science, garden architecture, harvest, and children's "Farmer's Market" .
Science Standards 2-4.N.2, 1.L.3.1, 1-3.L.1.1, 1.L.1.2, 2.L.2.1, 2.L.2.2, 3.L.1.2, 4.L.2.1; Common Core W.1-2.2, SL.1-2.2

Who Eats Bugs? (2-4)



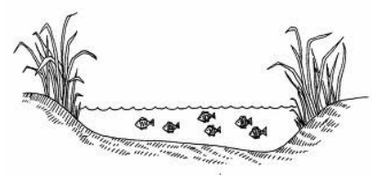
Soon we may be hunting more than deer or turkeys. Find out why scientists say there are benefits to eating insects and who's eating bugs. Then try a delicious insect for yourself! Science Standards 2-4.N.2, 1.L.1.3, 2.L.3.1, 3-4.L.3.1; Common Core SL.1-2.2

Habitat for Wildlife (2-4)

Some creatures are important pest agents and pollinators. Learn how to build a "Mini-Beast Mansion" that provides different habitats that will attract a real variety of creatures to your garden. Then come back and explore in different seasons! Science Standards 2-4.N.2, 1.L.3.1, 3.L.2.1; Common Core SL.1-2.2

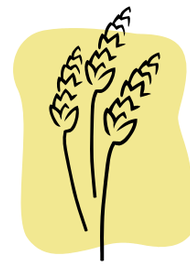
Outdoor Inquiry Science (2 hour programs)

Where Do Fish Hang Out? (3-6)



Ever wonder where the best fish habitat may be? Why do fish like some areas better then others? Learn how *dissolved oxygen* (*DO*) is a *limiting factor* by playing a game. Science Standards 3-5.N.2, 6.N.2.1, 3.L.1.2, 4.L.2.1, 5.L.3.1, 6.S.2.1, 7.L.3.1; Common Core SL.3-5.1, SL.6.1, SL.6.4, 3.MD.3

The Role of Prairie Grasslands (3-6)

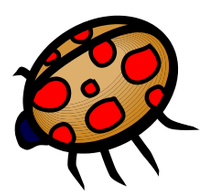


Students will explore the scientific field of ecology as we learn about the importance of grasslands and benefits of preserving prairie habitat. Science Standards 3-5.N.2, 6.N.2.1, 3.L.1.1, 4.L.2.1, 5.L.3.3, 7.L.3.1; Common Core SL.3-5.1, SL.6.1

Beginning Botanist (3-12)

Learn some beginning botany skills that will help you to identify some common trees found in western South Dakota in the spring & summer. Science Standards 3-5.N.1.2, 6.N.2.1, 3.L.1.1, 4.L.2.1, 5.L.2.2, 6.L.1.2; Common Core SL.3-5.1, SL.6.1

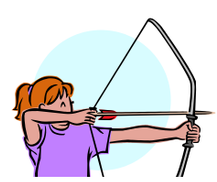
Beginning Entomologist (3-12)



Learn insect characteristics and behavior, then explore insects in their natural habitat. Science Standards 3-5N.1.2, 6.N.2.1, 3.L.1.3, 4.L.2.1, 5.L.3.3, 7.L.3.1; Common Core SL.3-5.1, SL.6.1

Outdoor Skills (1-2.5 hour Programs)

Archery Basics (3-12)



We will learn about safety and archery equipment , then practice our skills using Genesis Bows to shoot at 3D targets. (1.5-2 hours.)
Physical Education Standards FS.1.1, FS.1.2;,MC.1.1, PA.1.1, RR.1.1, VPA.1.1

BB Gun Basics (3-12)

Learn basic gun safety, shooting positions and techniques. Your shooting skills and safe gun handling will improve with every shot. (1 hour)
Physical Education Standards FS.1.1, MC.1.1, PA.1.1, RR.1.1, VPA.1.1

Grades 7-12

The Loneliest Animals

Students will develop an understanding of diversity and adaptations of organisms by watching video segments and participating in a hands-on activity that simulates the gene-pool analysis of a population of black-footed ferrets. (1.5-2 hours) Science Standards 7-8.N.2.1,7.L.3.1, 7-8.S.2.1, 9-12.L.2.2, 9-12.N.2.1, 9-12.2.2, 9-12.3.1; Common Core 7.RP, 8.EE, 9-12 Modeling

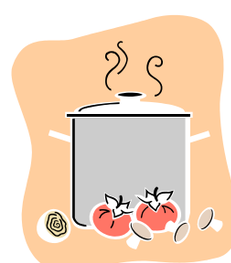
Nature Drawing

Practice observation skills through drawing to capture nature's fleeting moments before they escape from our view. 1-1.5 hours) Science Standards 7-8.N.2.1, 9-12.N.2.1, Visual Art Standard 9-12.1-2; Common Core W.7-12.7, W7-12.10

Gardening 101

Students will participate in a variety of activities depending on the date and weather...including preparing the beds and starting the seedlings, learning about wildlife habitat and pollination, water conservation, soil science, garden architecture, harvest, and children's "Farmer's Market" (1-2 hours) Science Standards 9-12.L.3.1; Common Core SL.7-12

Outdoor Cooking 101

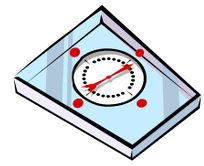


Pioneers who ventured into the wilderness did so without lots of things, but great food was not one of those things. Lewis and Clark's journals describe sumptuous meals of roast buffalo hump, sourdough bread, pies and bread pudding larded with wild fruits and nuts. Like pioneers we can use the same methods to cook meals for our hunter's camps. Students will learn the art of Dutch Oven Cooking. (2 hours)
Physical Education Standards FS.1.1, RR.1.1; Common Core SL.7-12

Basic Canoe/Kayak Paddling

Learn the basics of flat-water paddling in canoes and kayaks. Course includes basic safety, paddling strokes, and hands-on practice at our pond. Wear shoes and clothes that can get wet! (1.5 hours)
Physical Education Standards FS.1.1; FS.1.2; MC.1.3; RR.1.1; VPA.1.1

Orienteering (7-12)



Learn how to find your way using a map and compass. All equipment will be provided. (2-2.5 hours.)
Physical Education Standards FS.1.1; FS.1.2; MC.1.3; RR.1.1; VPA.1.1; Common Core SL.7-12

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. (2-2.5 hrs.) Physical Education Standards FS.1.1, PA.1.1, RR.1.1, VPA.1.1

Rock Wall Climbing

Take your turn scaling our portable climbing wall. All safety equipment will be provided. Sturdy shoes (no sandals!) such as hiking or tennis shoes only. (1 hour)
Physical Education Standards FS.1.1FS. 1.2, PA.1.1, RR.1.1, VPA.1.1

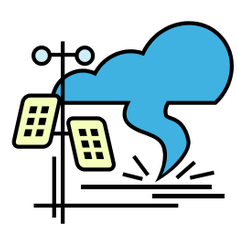
"GLOBE" Scientific Inquiry Programs

Global **L**earning and **O**bservations to **B**enefit the **E**nvironment. These programs will take most of the school day and will be lead by a certified GLOBE instructor. (4-5 hours)

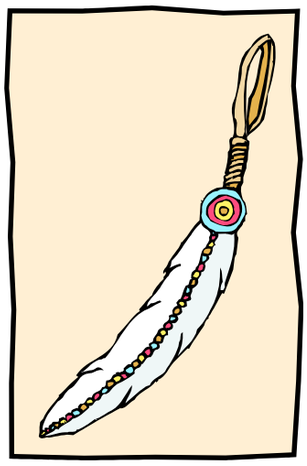
Land Cover Sample Site Protocol: Phenology

Students select a 90 m x 90 m study site with areas of homogeneous land cover. They describe its location using a compass and GPS, and measure properties of vegetation using a tape measure, densiometer, clinometer and plant identification guides in order to provide a MUC (land cover) classification and provide supplemental about their site. Science Standards 7.N.2.1, 7.L.1.3, 9-12.L.1.2, 9-12.L.3.1, 9-12.S.1.1, 9-12.E.1.3; Common Core W.7-12.7, W.7-12.10, 7RP, 9-12 Modeling

Atmosphere Protocol/Phenology



Students learn how to set up a study site and use scientific equipment to collect atmospheric data (i.e. max./min. digital sensors, pH meter, rain gauge, snow board, etc.) and where to report data on an international scientific data reporting website.
Science Standards 7-8.N.2.1, 8.E.1.3, 9-12.E.1.2; Common Core W.7-12.7, W.7-12.10, 7RP, 9-12 Modeling



Curriculum Through Native Eyes

Several programs can address science concepts from within Native American culture. Please write “Native Eyes” on the bottom of your application if you would like this option. Research shows that if Indigenous themes and topics relevant to Indigenous peoples are openly discussed within a classroom setting that this allows Indigenous students (and others) to feel more confident and comfortable within the classroom setting. This encourages students to engage with other students and instructors and classroom exchanges are more fruitful. Programs that incorporate Native Eyes are:

Spring & Summer in the Garden (2-4)
The Role of Prairie Grasslands (3-6)
The Loneliest Animals (7-12)
Nature Drawing (7-12)
Outdoor Cooking 101 (7-12)
Gardening 101 (7-12)

A Teacher Resource:

"Critter Crates"

We have crates of teaching materials that you can borrow for up to two weeks with a security deposit of $75. We cannot accept 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

On Your Own Visits:
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:

1. **You must call and schedule your group in advance.** This prevents conflict with other groups and Outdoor Campus programs.

2. Plan 1 to 2 hours to visit the campus facility and grounds.

3. 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.

4. Dress for the weather and plan time to explore the grounds and "natural playground" outside.

Contact Information

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

Email: nicomas.redhorse@state.sd.us
or tocwest@state.sd.us
Website: www.outdoorcampus.org
Facebook: outdoorcampuswest
Twitter: outdrcampuswest