

Powder Valley Conservation Nature Center



2014–2015 School Program Brochure Pre K–12th Grade

New this Year!

Program reservations are made by completing the 2014-2015 School Program Request Form found on-line at <http://mdc.mo.gov/node/6356>.

Reservations begin Monday, Aug. 11, 2014

**Programs available Wednesdays–Fridays.
Sept. 10, 2014–May 15 2015.
(No programs are offered in January.)**

We help people discover nature!



Programs are 1 ½ hours and include indoor and outdoor components.
We suggest one adult chaperone per four students.

Pre K–K

**Sept 10–Oct 17, 2014 and
April 1–May 15, 2015**

Amazing Amphibians!

How do amphibians grow? How are they different from other animals? Discover the answers to these questions through mimicry and live animals.

**Sept 10–Dec 12, 2014 and
Feb 18–May 15, 2015**

Bird Buddies

Explore the characteristics of birds through hands-on activity and mimicry. Go on a bird hike and make a pair of binoculars to take home.

I Like to Move It, Move It!

Take a close look at animal movement and behavior. Learn how animals use different parts of their bodies to function and survive in the wild. Dramatic play, live animals, and a hike will be a part of this “moving” experience!

Pre K–2nd Grade

**Sept 10–Oct 17, 2014 and
April 1–May 15, 2015**

Budding Biologists 1 Hour Hike

What do biologists study? Explore outdoors and learn to distinguish between living and non-living things. Work as field scientists to examine the forest floor.

Pre K–2nd Grade

Sept 10–Oct 17, 2014 and
April 1–May 15, 2015

Insect Inspectors

Did that critter have six legs or eight? Was it a spider or an insect? Catch and observe all kinds of insects living right under your nose.

Let's Pollinate!

Flowers can't walk, so how do they spread to different places? Pollinators! Learn about the stages of plant growth and some of the pollinators that make it happen.

Get a Life Cycle!

(Recommended for Grades 1 and 2)

How do life cycles differ within the animal world? Explore metamorphosis and growth through the fascinating lives of insects, amphibians, and birds. Outdoors, search for animals in different life stages.

Sept 10–Dec 12, 2014 and Feb 18–May 15, 2015

Furry, Feathered, Scaly, or Smooth?

Want to learn what animals feel like and how their outer layers keep them protected? We've got you covered! Warm up to the world of animal coverings and the special adaptations that help them survive in their environments.

Mammalogy for Minis

Walk in the tracks of a deer.... burrow like a mole! Become a different mammal by observing and behaving like several Missouri mammals. Explore mammal traits and hike to find some furry residents of Powder Valley.

Programs are 2 hours and include both indoor and outdoor components.

We suggest one adult chaperone per six students (3–5 grade) or eight students (6–8 grade).

3rd–5th Grade

**Sept 10–Oct 17, 2014 and
April 1–May 15, 2015**

Creepy Crawly Investigation

Insects, spiders, scorpions, centipedes, millipedes, crustaceans...besides being creepy and crawly, these animals have another thing in common—they are all arthropods! We'll introduce animal classification as we investigate each class within this phylum. Learn about their special adaptations, how to identify them by using a simple dichotomous key, and search for them in the leaf litter.

Pollinator Power!

Without a little help from their friends, the pollinators, most plants can't reproduce. We'll delve into pollination, parts of flowers, types of seeds, and seed dispersal through games and hands-on exploration. Outside, we'll see what's happening in the garden and try and catch some pollinators in action!

Web of Life

Nature weaves an intricate web, and every species is accounted for, from the smallest microbe to the largest predator. Become familiar with consumers, producers, and decomposers, as you classify organisms by their roles in the food chain. As part of the program, you will be able to put your new food web knowledge to use when you dissect an owl pellet in the classroom.

Sept 10–Dec 12, 2014 and
Feb 18–May 15, 2015

Creatures of Habitat

A habitat provides food, water, shelter, and space for the animals living there. It sounds nice and easy, but life in the wild is tough. Learn how animals use their diverse adaptations to survive in their habitats. Be prepared to explore the habitats of Powder Valley.

Predator–Prey: What’s for Dinner?

Every animal species has its own way of finding its dinner. Some do this while they also avoid being dinner for someone else. Discover various adaptations which determine how and on whom different animals dine.

April 1–May 15, 2015

5th–12th Grade

Watershed Wonders

We all live downstream in a watershed and depend on clean water. Water cannot be created or destroyed; therefore it recycles through the water cycle. Explore how abiotic and biotic factors of a forest can affect our waterways through first hand experiences and investigations. This program is a good water quality STEM experience for middle school students.

Sept. 10–Dec. 13, 2013 and
Feb. 5–May 16, 2014

6th–8th Grade

Behavior Biologists

(This program is limited to **Single and Double groups** and is **2 1/2 hours**.)

Gain first-hand experience to all steps of the Scientific Method! Jump into the shoes of a research biologist to study birds of prey and their menu of critters. Conduct an animal behavior study to see how wildlife responds to those hungry predators of the sky.

April 1–May 15, 2015

6th–12th Grade

Outdoor Adventures

Venture into the forest to explore nature using compass and GPS. Learn the basics of how to use these tools, then set off on an adventure to discover nature. With teamwork and observations of the land, students will navigate through ecology themed-based orienteering courses.

All Grades

One Hour Seasonal Hikes

Discover the seasons and what's happening in the forest through observations and hands-on outdoor activities. Each hike is unique as students observe the natural changes occurring throughout the year.

LARGE GROUP PROGRAM OPTIONS

PLEASE NOTE:

Single and double group options do not include time for exploring the exhibits. If you wish to explore the exhibits, please allow extra time after your program. Thank you.

Double

Minimum time scheduled:
1½ hours

Group Size:

Pre K–K: 21–40 students;
1st–12th: 26–50 students.

Triple

Minimum time scheduled:
2½ hours or 3 hours with
lunch break

Group Size

Pre K–K: 41–60 students;
1st–12th: 51–75 students.

**Includes one teacher led
rotation.**

Quadruple

Minimum time scheduled:
3 hours or 3 1/2 hours with
lunch break

Group Size

Pre K–K: 61–80 students;
1st–12th: 76–100 students.

**Includes two teacher led
rotations.**

**Please have students dress for the weather.
Thank you.**



Powder Valley Conservation Nature Center supports Discover Nature Schools. To schedule your Discover Nature School field trip contact Catherine McGrane, assistant nature center manager, at 314-301-1506 ext. 4218, or Catherine.McGrane@mdc.mo.gov.

Contact your local Conservation Education Consultant to learn more about Discover Nature Schools.

County	Conservation Education Consultant
St. Charles Lincoln Warren	Steven Juhlin Steven.Juhlin@mdc.mo.gov 636-441-4554
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