

Naturalist Guided Field Trips 2014 - 2015



**August A. Busch Memorial
Conservation Area &
Rockwoods Reservation**

How Do I Sign Up?

Naturalist Guided Field Trips at Busch & Rockwoods

All Field Trips are Free!

Thanks to the Design for Conservation sales tax, providing 1/8 of 1% of Missouri sales to the Missouri Department of Conservation.

- Groups are responsible for providing their own transportation to/from our locations.
- Science GLE associations available upon request.
- Each field trip time will depend on group size. Field trips last two hours to an entire school day depending upon your availability.
- Only **one** field trip day available per class per school year. Maple Sugar at Rockwoods may be added as a second field trip. Just fill out a separate application for processing.
- Groups of three to four classes will require teacher-led activities. See Teacher-Led Activities on page 6 of this brochure.
- Up to two Naturalists will be available per field trip.
- Please ensure students wear closed-toed, sturdy footwear and weather-appropriate clothing.

Field Trip Applications:

All reservations are made by requesting and completing the “Teacher-Group Leader Field Trip Application” by contacting Kevin.McCarthy@mdc.mo.gov No more hassling with calling in, busy signals and voice mail!

Fall 2014 Field Trip Applications accepted August 1 to August 22, 2014.

- Programs available September 16 to December 12, Tuesday through Friday, except holidays.
- Fall 2014 programs will be announced no later than August 29.

Winter and Spring 2015 Field Trip Applications accepted October 15, 2014 to January 9, 2015.

- January 27 through February 27 – Rockwoods Maple Sugar Field Trips only (No Busch Field Trips)
- 2015 Maple Sugar programs will be announced no later than January 9.
- Programs available at both sites March 18 to May 15, Tuesday through Friday, except holidays.
- 2015 Spring programs will be announced no later than February 20.

Questions?

Kevin McCarthy - Interpretive Center Manager
Kevin.McCarthy@mdc.mo.gov or 636-300-1953 ext. 4119



What Field Trips are There ?

Each field trip content will be specific to the age and grade level of your students, supporting the Missouri Grade Level Expectations.

Pre K and Up



Frogs, Dragonflies and Metamorphosis

Metamorphosis is an amazing process to see and study. Learn about frog and dragonfly life cycles and try to catch them in their aquatic habitats. Meet different types of frogs and insects that all change as they grow from tails and gills to hopping and catching flies.

Grades Pre K through 2 only

Habitat Hunt

In a pond, under a rock or up in a tree, what is your idea of the perfect habitat? Meet some live animals and observe animal mounts to discover a perfect animal habitat. Venture outside to search for real habitats and learn how you can help animals survive.

Grades Pre K through 2 only.

Aquatic Studies

Discover the diverse life in a pond or stream beyond fish. Students will visit an aquatic habitat to sample and identify critters they find. Learn about the complex food chains and how aquatic ecosystems depend on humans to remain clean and healthy.

Rockwoods: Pond and stream habitat comparison study.

Busch: Pond habitat available only. Includes a classroom session with aquatic wildlife.

Grades Pre K through High School



What Field Trips are There?

Grade 3 and Up

Each field trip content will be specific to the age and grade level of your students, supporting the Missouri Grade Level Expectations.

Who's for Lunch?

Hawks, snakes, mice and seeds... they're all connected and dependent on each other for survival. Remove one piece and the food chain falls apart. Students will study food chains and food webs and even investigate real owl pellets.

Grades 3 through 6



Aquatic Studies

Discover the diverse life in a pond or stream beyond fish. Students will visit an aquatic habitat to sample and identify critters they find. Learn about the complex food chains and how aquatic ecosystems depend on humans to remain clean and healthy.

Rockwoods: Pond and stream habitat comparison study.

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Grades Pre K through High School

Beginning Map and Compass

GPS units are the new navigational tools, but what if the weather doesn't cooperate or your batteries fail? This class will teach your students the fundamentals of using a compass and how to understand the basics of a map. Your students will then test their skills moving through a fun beginners' orienteering course.

Available only at Rockwoods for Grades 6 through High School

Amphibian and Reptile Exploration

Explore the diversity of life and interactions within a habitat by studying live amphibians and reptiles. Students will make observations and learn about adaptations that have helped Missouri's amphibians and reptiles survive as both predators and prey.

Grades 3 through High School



Maple Sugaring

Naturalist Guided Field Trips at Busch & Rockwoods

Dates: January 27, – February 27, 2015
Group Sizes: Minimum 15, Maximum 120
Ages: All Ages, Pre-K and up
Reservations Begin: October 15, 2014

The maple sugar season is Rockwoods Reservation's premier event! Offered only in late January and February, your students won't forget this unique mix of science, conservation, history, and outdoor experiences! Students will help collect tree sap, boil off water to keep sugar and taste the sweet rewards that the forest has provided. Students will also observe how processing and boiling has changed over the ages with advancements in technology. Grab your coats... because it's going to be a fun day.

A special Maple Sugar School Announcement with final season details will be sent out December 2014.



Teacher-Led Activities

All Teacher-Led Activities will include a backpack or container of supplies with instructions to help guide you and your students through the activity. When tied to a Naturalist program, these activities are excellent additions to any field trip. Teacher-Led Activities are also great options for self-guided field trips when Naturalist staff are unavailable. Each is intended for 30 minutes to 1 hour of activity.

1. Discover Nature School Activity – Are you a Discover Nature School? Want to learn more? We can tailor a teacher-led activity for you to learn and practice with the curriculum unit appropriate for your students.



- *All Ages*

2. Discovery Hike – Walk in the woods and make observations to discover plants, wildlife, and habitats.

- *All Ages*

3. Creative Kids! – Create frog masks, fish puzzles, clothespin butterflies or even draw and paint wildlife using our mounts as models! Your students will create unique crafts and works of art to take home to show their family and friends.

- *Grades Pre-K through 2*

4. Nature Play – Students discover the natural world in the best way that they know... through play! Turning twigs into toys or leaves into art, children's imaginations are critical for development of creative problem-solving and learning.

- *Grades Pre-K through 2*



5. Nature Games – Bats and Moths, Oh Deer, Turtle Troubles, Aquatic Assassins and more. These exciting Naturalist games connect students to the realities of living in the wild by becoming the animals they are studying.

- *Grades Pre-K through 8*

6. Litter Gitter! – Help support the Conservation Area you are visiting with a service project to clean up litter along trails, lakes or ponds. Tongs, gloves and trash bags will be supplied.

- *Grades 3 through High School*

7. Aquatic Food Chains and Food Webs – Fish, frogs and birds... they all live in aquatic ecosystems, but they each survive differently. Discuss herbivores, carnivores and omnivores of aquatic systems and create a food chain necklace for students to wear.

- *Grades Pre-K through 2*

8. Mapping Hide and Seek – Map reading and navigation will test students' communication and teamwork. Your students will find their way among their natural and man-made surroundings while hiding an object and creating a map for others to follow.

- *Grades 6 through High School*

9. Cache On the Trail – Hike a trail to find several caches that our Naturalists have hidden in the forest. Your students will rely on teamwork and observation of the land to find each hidden cache.

- *Grades 6 through High School*



Discover Nature Schools

Naturalist Guided Field Trips at Busch & Rockwoods



All Naturalist-guided field trips at Busch and Rockwoods support the Discover Nature Schools program. Many topics and activities that we provide are the same that can be found in the curriculum units available in your classroom. Take the next step beyond your field trip and ask for Discover Nature Schools!

Get connected!

Contact your local Conservation Education Consultant to learn more about Discover Nature Schools, sign up for teacher workshops, gain access to field trip grants and more!

St. Charles, Lincoln and Warren Counties:

Position Currently Vacant
636-300-1953 ext. 4120

St. Louis County (South)

David Bruns
David.Bruns@mdc.mo.gov
314-301-1506 ext. 4212

St. Louis County (North)

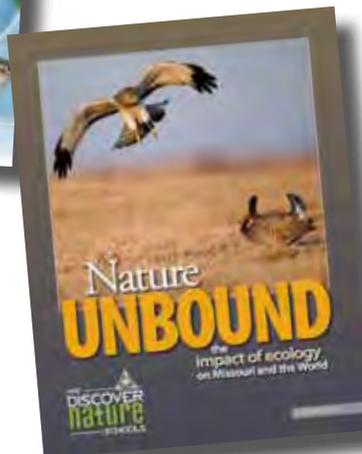
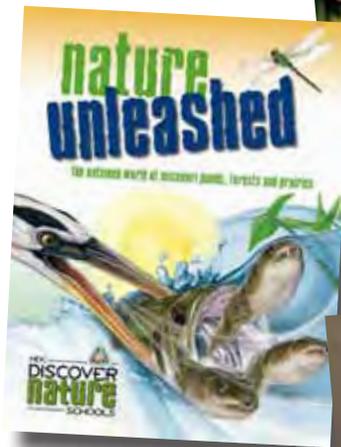
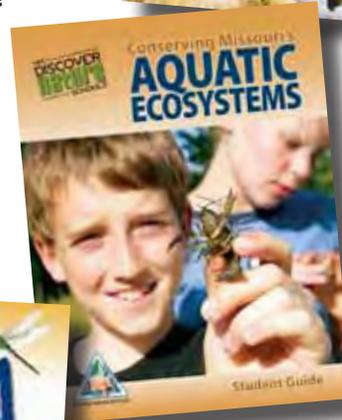
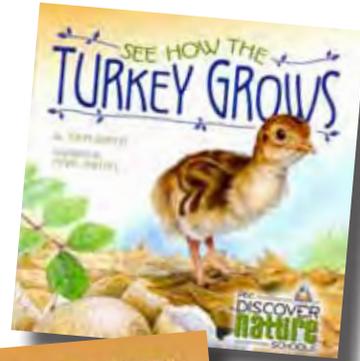
Dick Turner
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314-301-1506 ext. 4215

St. Louis City

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Crawford, Franklin, Jefferson and Washington Counties

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Naturalists connect students to nature.



Serving nature and you®