



# Boone County Conservation District Outdoor Classroom - *Field Study for First Grade* Nature's Problem Solvers

## Discover how biomimicry inspires design!

Through outdoor investigation and classroom activities students learn how to mimic nature's solutions to everyday problems.

**Cost:** \$5.00/student from Boone County schools; \$10.00/student out-of-county schools

**Location:** Roger D. Gustafson Nature Center, 603 N. Appleton Road, Belvidere, IL

### IMPORTANT INFORMATION

- Everyone should be dressed for the weather, including chaperones.
- Snow boots and snow pants are very important, as well as hats and gloves/mittens.
- We have a supply of boots and snow pants for students who forget or don't have any.
- Everyone should wear a nametag so that we can use students' names when called on.
- Please make chaperones aware of the school district's policy regarding social media.

Please bring one adult for every five students; 5 or 6 per class is ideal. This is an all-day program. Everyone must bring a sack lunch and drink. Refrigeration and microwaves are not available.

To schedule a trip or if you have further questions, please call (815) 547-7935.

Scheduling is open now for dates in January and February.

### NEXT GENERATION SCIENCE STANDARD

**1-LS1-1.** Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.

### COMMON CORE STATE STANDARD

**CC.1.SL.1** Comprehension and Collaboration: Participate in collaborative conversations with diverse partners about grade one topics and texts with peers and adults in small and larger groups.

**CC.1.SL.5** Presentation of Knowledge and Ideas: Add drawings or other visual displays to descriptions when appropriate to clarify ideas, thoughts, and feelings.

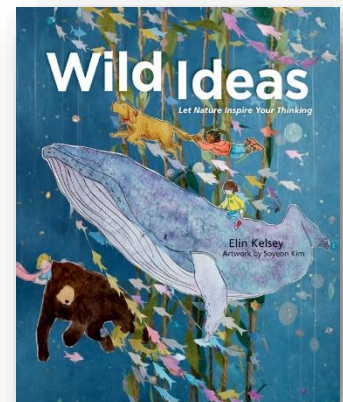
### Post-visit Activity

Listen to podcasts from the author of *Wild Ideas* about the science behind the book. [www.owlkidsbooks.com/wildideas](http://www.owlkidsbooks.com/wildideas)

### Recommended Reading

*Nature Got There First* by Phil Gates

*Biomimicry: Inventions Inspired by Nature* by Dora Lee



You can watch this video with your students about how to dress for the day:  
<https://www.youtube.com/watch?v=BA6KJ4ksoYk&feature=youtu.be>