



**Camp Fire**  
MINNESOTA

## Environmental Education Classes

*tied to MN state education standards*

**Animal Adaptations** How do animals adapt to their environment and what do these special adaptations look like? Through a nature hike and activities his class will help students learn about the adaptations of beavers and birds and importance of camouflage. Students will create their own creature where they determine its special adaptations for survival.

**Animal Survival** This class helps students think through what animals need to survive (food, water, shelter, space) and how they do it. Activities focus on deer, importance of shelter, the food chain, and the web of life.

**Archeology/Paleontology** Get hands-on experience at our dig site where you will uncover dinosaur bones, fossils, and artifacts. Students dig, classify, and extract items as if they were in the field. Through this experiential activity, student learn the differences between an archeologist and paleontologist.

**Birding** Students will use our binoculars and practice the art of birding. Part of the class is spent hiking our birding trail and climbing onto the Tanadoona Tree House where they will use the binoculars to identify pictures of birds hidden among the trees. Students will end the class trying to ID real birds on a nature hike.

**Ecosystem Exploration** In this class we'll look at the environment as a whole and how one action affects another. Activities involve learning how all things are connected and an ecosystem hike around our property that covers lakes, forest, prairies, and wetlands.

**Forest Exploration** Learn all about trees and succession. Some activities include identifying trees, learning about everyday uses of trees, the parts of a tree, a scavenger hunt, and learning how succession works.

**Geology** Here we'll take a close look at rocks, minerals and soil! Activities include creating an edible earth model, learning types of rocks and how they are formed, understanding erosion and how we use rocks and minerals every day.

**Go Green** This class puts an emphasis on being a good steward of the earth. Activities cover recycling, composting, and conservation.

**Math-Venture Race** This class covers a large number of math standards and is set up similar to an adventure race. Students will be active and work together as they travel all around camp to solve a variety of problems as a group.

**Observation and Awareness** This class demonstrates the importance of awareness and observation, especially when in nature. Pay close attention and you soon notice how much you have been missing! Activities include nature/un-nature trail, practicing observation skills, and nature investigation.

**Outdoor Living Skills** This class will teach students basic survival skills if you are camping or lost in the woods. Skills include fire building, orienteering, shelter building, learning to leave no trace, and working as a group to determine the ten essential items you may need to survive in the wilderness.

**STEM Class** Students get a chance to develop proficiency in Science, Technology, Engineering and Math through hands-on demonstration and experiments. Activities can include a water rocket launch, building a tower, creating a wind power vehicle, and more!

**Water and Streams** This is all about water and the creatures that need it. Activities include a lake study where they catch and identify little critters, learning

about how much water is in the world and the importance of caring for it, exploring our wetlands and discovering all the properties of water that make it so unique.

**Weather** Students are on their way to becoming meteorologists where they learn how to use the natural signs to predict the weather. Activities include using a weather station to predict the weather, cloud watching and the water cycle.

### Other Activities (additional costs may apply)

#### **Adventure**

- Teambuilding
- High Ropes
- Climbing Wall
- Adventure Race/Amazing Race

#### **Recreation**

- Sports/Games
- Archery
- Canoe/Kayak
- Crafts

**Tanadoona features 103 acres** of Big Woods (Deciduous Forest Biome) with three habitat types: Wetlands, Black Ash Swam, and Savanna.

**Conveniently located in the SW metro**  
3300 Tanadoona Dr.  
Excelsior, MN 55331

### Future Classes

#### **Art & Music**

**Art Trail** Take a hike on one of our trails to see different sculptures along the way. There are two art pieces where the students see what the group before them completed. Students will then make an all new art piece for the next group. At the end of the trail, the students gather in the hammock garden to discuss how art affects their everyday life.

**Music in the Woods** The students get a chance to try a variety of outdoor instruments made out of non-traditional material such as PVC pipes, sheet metal, barrels, pots, pans, etc. They will also have the opportunity to create their own instrument to take home and end the class with a little concert.

#### **Living History/Social Studies**

**Pioneer Life** Learn about the life of a pioneer. Activities include learning about their tools, how they made items to survive, play pioneer games, and role play to find out what it felt like to be a pioneer.

**Native American Life** Learn about the life of a Native American many years ago. Activities include learning about their tools, how they made items to survive, enjoy games they used to play, and roleplay to find out what it felt like to be a Native American in Minnesota.

