

# Plants and People - 2hrs

The focus of this program is the many uses of plants and the various relationships between plants and people. Students rotate among three stations for different aspects of the topic.

## Before you go

Inform students that they will be visiting Carpenter Nature Center to learn about the relationship between plants and people. Make sure that they are prepared for the weather because a majority of the time will be spent outside.

## Timeline

After a brief introduction students will be divided into groups and rotate through three stations; a hike to CNC's prairie, a review of CNC's integrated pest management techniques at the orchard, and a brief look at how Native Americans used plants for dyeing cloth materials.

|           |  |
|-----------|--|
| 0:00-0:30 | Introduction—Learn about the relationship between plants and humans by listing various things humans get from plants and how wildlife relies on plants to meet their basic needs |
| 0:30-1:00 | Station 1  |
| 1:00-1:30 | Station 2  |
| 1:30-2:00 | Station 3  |

## After You Leave

Have each student pick a prairie plant to focus on for an independent project.

## Minnesota Standards

Carpenter Nature Center supplements standards by participating in benchmark activities. Listed below are benchmarks that students will participate in but not necessarily master.

### Fourth Grade:

| Code      | Benchmark  |
|-----------|--|
| 4.1.2.1.1 | Describe the positive and negative impacts that the design world has on the natural world as more and more engineered products and services are created and used |
| 4.1.2.2.1 | Identify and investigate a design solution and describe how it was used to solve an everyday problem   |

### Sixth Grade:

| Code      | Benchmark   |
|-----------|---|
| 6.1.2.1.2 | Recognize that there is no perfect design and that new technologies have consequences that may increase some risks and decrease others. |
| 6.1.3.1.1 | Describe a system in terms of its subsystems and parts as well as its inputs, processes, and outputs                                    |

### Fifth Grade:

| Code      | Benchmark   |
|-----------|---|
| 5.1.3.2.1 | Describe how science and engineering influence and are influenced by local traditions and beliefs |
| 5.1.3.4.2 | Create and analyze different kinds of maps of the students community and of MN                    |
| 5.3.4.1.3 | Compare the impact of individual decisions on natural systems                                     |
| 5.4.4.1.1 | Give examples of beneficial and harmful human interaction with natural systems                    |



### Minnesota Campus

12805 St. Croix Trail

Hastings, MN 55033

Telephone: (651) 437-4359

[www.carpenternaturecenter.org](http://www.carpenternaturecenter.org)