



Bridges Career Academy

Forestry & Natural Resources

Sebeka High School

Introduction to the areas of conservation of soil, water, forests, or related natural resources. Learn to compile data pertaining to size, content, condition, and other characteristics of forest tracts, learn about the conservation of managing, improving, and gain skills used in protecting rangelands. Learn about wildlife habitats and how the forest is an essential part of their environment. Proper silviculture methods for harvesting tree species, identification of plant and animal species, and map interpretation are included.

Academic Courses

- Wildlife Management
- Forestry and Natural Resources

Career Experiences

- Listen to industry speakers
- Attend the Bridges Career Exploration Day or other regional career fairs
- Participate in out-of-school experiences

Completion Standards

COMPLETE

All courses

GRADES

B ↑

ATTENDANCE



Earn a **certificate** and **green cord** at graduation



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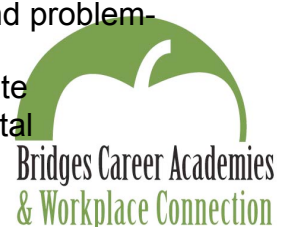
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Job Skills

In addition to having technical skills, employers expect workers in this industry to have these skills:

- Listening skills
- Be an active member of a team
- Use critical thinking and problem-solving skills
- Effectively communicate
- Work with environmental agencies



Forestry & Natural Resources Career Academy

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The Forestry and Natural Resources Academy provides students with an introduction to the areas of conservation of soil, water, forests, or related natural resources. Students learn to compile data pertaining to size, content, condition, and other characteristics of forest tracts, learn about the conservation of managing, improving, and gain skills used in protecting rangelands. In addition, students learn about wildlife habitats and how the forest is an essential part of their environment. Proper silviculture methods for harvesting tree species, identification of plant and animal species, and map interpretation are included. Courses focus on non-renewable and renewable resources with special attention on conservation as well as the ecology of how plants and animals and abiotic factors interact. The Academy is designed for students interested in environmental studies and a hands-on career.

ACADEMY COURSES

Wild Life Management — .5 High School Credit

The Animal Science class includes animal selection, nutrition, breeding, animal health and marketing. Emphasis will be on dairy cattle and meat animals; both the class is tailored to student interest for horses and other pleasure animals. Each student completes a project in animal science safety.

Forestry and Natural Resources — .5 High School Credit

This course is designed to develop awareness and knowledge for the proper management of forest and wildlife resources. Field activities for tree and wildlife identification are essential to the course. Students learn identification, measurement of trees, learn to identify wildlife habitats and compass skills. Students will develop their own tree species sample book resulting from their outdoor activities.

COMPLETION STANDARD

Students wishing to receive a certification must complete all courses and must earn at least B- or better average. Additionally, students must follow the Sebeka high school attendance policy.

CAREER EXPERIENCES

Students will explore and research careers with industry speakers, and attend the Bridges Career Exploration Day event and other regional career fairs. Water quality testing, wildlife surveying, and conducting an Agricultural Experience Presentation resulting from five hours of out of school experiences are essential parts of the Academy.

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