



# Bridges Career Academy

## Agriculture

### Pierz-Healy High School

Introduction to agricultural and natural resources careers. Explore animal care, both large and small animals, the workings of the natural resources and the plants, fish and animals that reside in the environment. Conduct animal research, understand the breeding, origin and judging of large animals and their nutritional needs. Hands-on projects and real world experiences in landscaping.

### Academic Courses

- Agricultural Discovery
- Sportsman's Resource Management
- Landscape Design
- Large Animal Care
- Small Animal Care
- Floral Design

### Career Experiences

- Tour local businesses
- Listen to industry speakers
- Participate in fieldwork identification
- Attend the Bridges Career Exploration Day or other regional career fairs

### Completion Standards

COMPLETE

**3 of 6 courses**

GRADES **B↑**

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



### Job Skills

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

- Active listening and speaking skill
- Problem solving and critical thinking
- Ability to work in teams
- Apply current business practices

#### Explore types of careers

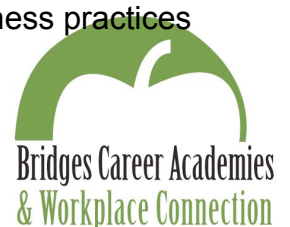
[www.careerwise.minnstate.edu/careers](http://www.careerwise.minnstate.edu/careers)

#### Review the local job outlook

[www.careerwise.minnstate.edu/jobs](http://www.careerwise.minnstate.edu/jobs)

#### Find postsecondary programs

[www.careerwise.minnstate.edu/education](http://www.careerwise.minnstate.edu/education)



# Agriculture Career Academy

## Pierz-Healy High School

The Agriculture Academy provided students an introduction to the agricultural and natural resources careers in the diverse natural science careers of today. Students will have the opportunity to explore the animal care, both large and small animals, the workings of the natural resources and the plants, fish and animals that reside in the environment. The opportunity to conduct animal research, understand the breeding, origin and judging of large animals and their nutritional needs are an essential elements of this academy. Hands-on projects and real world experiences in landscaping are also part of this Academy. For those interested in working in the natural world, this Academy is for them.

### ACADEMY COURSES

#### **Agricultural Discovery** — 2 High School Credits

Come use your hands to find out about the world's #1 industry and career field! From the clothes we wear to the food we eat, agriculture is all around us. Build on the basics of plant and animal cells to learn firsthand about forestry, horticulture, natural resources, livestock, wildlife, soils, and Future Farmers of America in Morrison County.

#### **Sportsman's Resource Management** — 2 High School Credits

If you like to hunt wild game or fish with a camera or hook this class will interest you. You will go through identification of wildlife, trees and plants in Minnesota while looking at the biological, ecological, and economic impact of wildlife in Minnesota. You will gain knowledge in hunting, Minnesota game laws, and how to manage resources. Developing a hunting trip, building a bird house, and trying your hand at taxidermy are included.

#### **Landscape Design** — 2 High School and/or 3 College Credits

Students in this course will learn to plan, design, install, and estimate costs from plans they create. This hands-on course will utilize the school grounds and local community to complete projects in the following areas: measuring, estimating costs, plant identification, pruning, planting, and career opportunities.

#### **Large Animal Care** — 1 High School Credit

The course investigates the livestock industry in Morrison County and the sheep, swine, equine, poultry, beef, and dairy industries. Students learn to evaluate and identify breeds and species of animals, students will apply their skills to calculate appropriate rations and manage livestock herds, gain knowledge of livestock anatomy, digestion, reproduction, genetics, diseases and treatment.

#### **Small Animal Care** — 1 High School Credit

This course is for any student who has an interest in animals as pets, a business, or a career. Students will conduct a variety of hands-on projects while learning about animal care, dogs, cats, birds, and careers. Specific topics about each type of animal include grooming, handling, training, feeding, characteristics, housing, equipment, breeds, breeding, health care, and community activities.

#### **Floral Design** — 2 High School and/or 3 College Credits

This course is for any student with an interest in flowers or working in the floral industry. Students in this hands-on class will design and keep fresh and dried floral arrangements, wreaths, and corsages. Students will also care for cut flowers and learn the business principles of running a floral shop.

### COMPLETION STANDARD

Students wishing to receive a certification for this academy must complete three of the six courses and maintain at a minimum of 'B-' grade (80%).

### CAREER EXPERIENCES

Students will tour local businesses and attend Bridges Career Exploration Day. Students will listen to guest speakers and will include ranchers, farmers, animal trainers, and veterinarians. Presentations include the 'Jaw to Bone Identification', fieldwork identification and tours of local landscape, nursery, farm, and ranch.

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# Agriculture Career Academy

Pierz-Healy High School

## **JOB SKILLS**

In addition to having technical skills, employers expect their workers to have other skills such as:

- Active listening and speaking skills
- Problem solving and critical thinking
- Ability to work in teams
- Apply current business practices

**CAREER OPTIONS:** [www.careerwise.minnstate.edu/careers](http://www.careerwise.minnstate.edu/careers)

**JOB OUTLOOK:** [www.careerwise.minnstate.edu/jobs](http://www.careerwise.minnstate.edu/jobs)

**POSTSECONDARY PROGRAMS:** [www.careerwise.minnstate.edu/education](http://www.careerwise.minnstate.edu/education)

