



# Bridges Career Academy Intro to Landscape & Natural Design

*Pillager High School*

Learn plant taxonomy and growth, planting stock and working in a greenhouse while using the elements of design and function. Study the ecological roles of plant and animal phyla through practical application and challenge yourself by taking that knowledge into the art studio and digital photography lab. Designed for students with a creative flair, interest in the designs of nature and artistic problem solving. Gain entry-level employment or continue education.

## Academic Courses

- Natural Resources II
- Introduction to Landscaping
- Graphic Design
- Digital Photography


## Career Experiences

- Participate in the Community Arbor Day celebration
- Listen to industry speakers
- Job shadow at Camp Ripley
- Attend the Bridges Career Exploration Day or other regional career fairs

## Completion Standards

COMPLETE

**3 of 4 courses**

GRADES **B** 

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



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## Job Skills

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

- Active listening and speaking skills
- Artistic problem solving
- Oral and written communications skills
- Observation and objective analysis skills
- Manage equipment and supplies



[www.BridgesConnection.org/Pillager](http://www.BridgesConnection.org/Pillager)

# Intro to Landscape & Natural Design Career Academy

## Pillager High School

The Introduction to Landscape and Natural Design Academy exposes students to plant taxonomy and growth, planting stock and working in a greenhouse while using the elements of design and function. Students study the ecological roles of plant and animal phyla through practical application and challenge themselves by taking that knowledge into the art studio and digital photography lab. The Academy is designed for students with a creative flair, interested in the designs of nature and can demonstrate artistic problem solving skills. Students can become employed or continue their education in either the media or natural resources,

### ACADEMY COURSES

#### **Natural Resources II** — 1 High School Credit and/or 3 College Credits

In this course students will develop an appreciation for the environment by gaining knowledge of the major biological principles as they apply resource utilization. Exploration of the diversity of life and ecological roles of major plant and animal phyla such as forestry, wildlife management and greenhouse production will be discussed. Students will discuss the political and economic issues related to the environment.

#### **Introduction to Landscaping** — 1 High School Credit

This project-based course studies the design elements of the landscaping techniques. Students gain an understanding of soil, natural land features, plant growth and production, and artistic value. Working with building materials and tools, students may design and build architectural features. Good composition and an understanding of the elements and principles of design are stressed.

#### **Graphic Design** — 1 High School Credit

Graphic Design is a course in which student will expand their knowledge of layout and composition when creating commercial type art. The class includes digital photography, page layout, packaging design, typography and students create their own logos. Projects will be created in computer program called Photoshop. Students will take part in group evaluation and participate in exhibitions.

#### **Digital Photography** — 1 High School and/or 3 College Credits

Students in this introductory course will learn the fundamentals of digital photography, composition, presentation, history of photography, purchasing a camera and ethics when manipulating photos. Students will use Photoshop along with digital cameras to create and manipulate a variety of photos.

### COMPLETION STANDARD

Students wishing to receive a certification for this academy must complete 3 of the 4 courses and earn a “B” or better in each course.

### CAREER EXPERIENCES

Students will listen to guest speakers, shadow at Camp Ripley, participate in Community Arbor Day Celebration, meet with MN DNR and the US Forestry Service professionals and local greenhouses and landscape firms. In addition, students will meet with guest photographers, tour the Franklin Arts Center, display in area Art Shows and attend the Bridges Career Exploration Day event and other regional career fairs.

### JOB SKILLS

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

- Active listening and speaking skills
- Artistic problem solving
- Oral and written communications skills
- Observation and objective analysis skills
- Manage equipment and supplies

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**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)

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