



Bridges Career Academy

Woods Design

Henning High School

Acquire basic woodworking and construction skills and information needed to understand construction industries. Read blue prints, learn techniques in the use of woodworking tools, and gain an understanding of safety processes required in the construction. Use architectural software while designing the personal projects they will build. Gain entry-level employment or continue education.

Academic Courses

- Woods I
- Woods II
- Robotics/CADD

Career Experiences


- Listen to industry speakers
- Attend the Bridges Career Exploration Day or other regional career fairs

Completion Standards

COMPLETE



ALL 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:

- Understanding planning and time management
- Team skills
- Use critical thinking and problem solving skills
- Work safely
- Manage tools and equipment



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www.BridgesConnection.org/Henning

Woods Design Career Academy

Henning High School

The Woods Design Academy allows students to acquire not only basic woodworking and construction skills but also gain the information needed to understand construction industries. In the Woods Design courses, students read blue prints, learn techniques in the use of woodworking tools, and gain an understanding of safety processes required in the construction of various projects. CADD courses provide students an opportunity to use architectural software while designing the personal projects they will build. With the variety of career opportunities in the construction industry, students will be prepared to go directly to employment or further their education when completing this Academy.

ACADEMY COURSES

Woods I — 1 High School Credit

This is an introductory level woodworking course where students learn the fundamentals of woodworking, safety, wood joinery and equipment usage. Project may include custom signs, paper towel holders, knife blocks, magazine racks and picture frames. All projects are designed to teach students the basics in wood construction.

Woods II — 1 High School Credit

This course allows students an opportunity to refine their woodworking skills and will challenge them in constructing more advanced projects. Students will not only develop and design their own projects but learn to use tools in a variety of ways. Students may be required to work in groups while building larger construction projects reflecting real world construction.

Robotics/CADD — 1 High School and/or 3 College Credits

This course focuses on robots. Students will learn about simple machines, gears and mechanical advantages and applying that knowledge to the building of robots. Students will learn to wire and program a variety of robots in preparation for possible Robotics' Competition. In addition, students will learn the Auto Cad (CADD) software. CADD is a computer drafting program that allows student design a variety mechanical projects.

COMPLETION STANDARD

Students wishing to receive a certification must complete all courses; earn a minimum of a 'B' or better average grade.

CAREER EXPERIENCES

Students will explore and research careers with industry speakers, view industry videos, and construct personal projects 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:

- Understanding planning and time management
- Team skills
- Use critical thinking and problem solving skills
- Work safely
- Manage tools and equipment

CAREER OPTIONS: www.careerwise.minnstate.edu/careers

JOB OUTLOOK: www.careerwise.minnstate.edu/jobs

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