



# Bridges Career Academy

## Construction & Woodworking

*Pequot Lakes High School*

Learn basic woodworking skills used in the residential and commercial construction industries. Be involved with the construction of a residential home while learning blue print reading, develop wood working skills and learn the documentation processes required for building a structure. Gain entry-level employment or continue education.

### Academic Courses

- Construction Trades A & B
- Woods I
- Woods II

### Career Experiences

- Learn from industry speakers
- Work with professionals in the industry in areas of plumbing, wiring, HVAC and cabinetry
- 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
- Be an active member of a team
- Use critical thinking and problem-solving skills
- Work precisely and manage tools and equipment
- Work safely



# Construction & Woodworking Career Academy

## Pequot Lakes High School

In the Construction & Woodworking Academy, students learn basic woodworking skills used in the residential and commercial construction industries. In the building trade's courses, students will be involved with the construction of a residential home while they learn blue print reading, develop wood working skills and learn the documentation processes required for building a structure. 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

#### **Construction Trades A & B** — 2 High School Credits

Students will learn basic construction techniques. The class will participate in building a house. Students will learn about basic terminology, codes, tools and materials used in the construction industry. The different areas covered will include tool use and safety, reading and using plans, lot lay-out, framing, roofing, house wiring, plumbing and concrete basics.

#### **Woods I** — .5 High School Credit

In this course will begin with instruction on the basic types of drawings and the use of drawing tools for designing and planning a project. Course components will include instruction on proper and safe use of all shop equipment. Students will build a project with regard to proper selection and use of woods, materials, tools, machines and finishing techniques.

#### **Woods II** — .5 High School Credit

This course will include advanced methods of furniture building and cabinet making. There will be more emphasis on fine details and high-quality finishes ensuring a professional looking product. Projects must be challenging to the skill level of students. Projects may include desks, gun cabinets, dressers and other types of advanced projects.

### COMPLETION STANDARD

Student wishing to gain Certification in this Academy must complete all the courses and maintain a 'B' or better grade in each course.

### CAREER EXPERIENCES

Students will explore and research careers with industry speakers, work with professionals in the industry in areas of plumbing, wiring, HVAC and cabinetry, 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
- Be an active member of a team
- Use critical thinking and problem-solving skills
- Work safely
- Work precisely and manage tools and equipment

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

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