**Woodworking and Cabinetmaking Program** is an innovative hands-on course designed for high school students who want to learn the safe skill use of hand and electric power tools, intensive measurement and project plan layout. Learning to program and safely use the CNC machine is an integral component of all Woodworking classes.

The classroom experience offered in both one hour and two hour blocks provides students with a strong background in all aspects of woodworking. Program emphasis teaching team work, excellence in craftsmanship learning design and building techniques of fine furniture.

This course has been approved to meet half (1 hour class) to the full (2 hour block) MMC senior year math-related credit requirement.

Examples of post secondary education pathways in Woodworking:
- Bachelor of Fine Art-Furniture Design
- Bachelor of Fine Art-Product Design
- Bachelor of Fine Art- Interior Design
- Bachelor of Science-Wood Technology
- Bachelor of Science-Forestry
- Bachelor of Science-Architecture

**Examples of Woodworking and Manufacturing Careers**
- Cabinet Maker
- Finish Carpenter
- Custom Stair Maker
- Display Designer
- CNC Operator
- Hardwood Floor Installer
- Kitchen Designer
- Countertop Maker
- Solid Surface Technician
- Furniture Designer / Maker
- Sales / service in Woodworking

**Did You Know?**
**Woodworking and Cabinetmaking** classes can meet these requirements:
- **VPAA Credit**—Students can fulfill the required 1 credit of Visual, Performing, and Applied Art (VPAA) by taking 1 credit of Woodworking and Cabinetmaking.
- **World Language Credit**—Students may replace 1 credit of World Language with 1-credit of Woodworking and Cabinetmaking when this course is taken as a 2nd or (additional) VPAA credit.

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**“Work Based Learning”**

The mission of the **Woodworking and Cabinetmaking** program is to provide high school students with classroom and real world hands-on experiences that will enable them to make informed decisions regarding career opportunities in woodworking and advanced manufacturing.

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**Chippewa Valley Schools**

**Career Technical Education**

**Woodworking and Cabinetmaking**

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**NOTICE OF NONDISCRIMINATION** It is the policy of Chippewa Valley Schools not to discriminate on the basis of race, color, religion, national origin or ancestry, gender, age, disability, height, weight or marital status in its programs, services, activities, or employment. Inquiries related to nondiscrimination policies should be directed to: Civil Rights Coordinator, Assistant Superintendent of Human Resources, Chippewa Valley Schools Administration, 19120 Cass Avenue, Clinton Township, MI 48038 Phone: 586-723-2090 / Nondiscrimination inquiries related to disability should be directed to: Section 504 Coordinator, Director of Special Services, (same address) Phone: 586-723-2180
**Woodworking and Cabinetmaking Courses**

**Woodworking Courses** offered as a Program of Study

**4770 Woodworking 1** (1 hour/1 semester)
Students design and construct a project learning safe use of hand and stationary electric power tools, precise measurement, while striving for top quality results.

**4810 Woodworking 3** (1 hour/1 semester)
Furniture construction and industrial process is featured with millwork and exclusive use of power tools.

**4790 Woodworking 2** (1 hour/1 semester)
Students learn about furniture and furniture accessory construction and also learn G Code to create a project on the CNC machine.

**4810 Woodworking 4** (1 hour/1 semester)

**9321/9322 Advanced Woodworking/Millwork/Cabinetmaking 1/2** (2 hr block/1 semester)
Students research and select their project for this class which replicates actual cabinet-making shop conditions. Students use power machinery, including CNC as well as, hand, portable electric and air power tools.

Students completing this course have received articulated college credit at Northern Michigan U.

**Frequently Asked Questions:**

**Q:** Are all students able to enroll in Woodworking courses?

**A:** Yes, any registered Chippewa Valley or Dakota student has the opportunity to enroll.

**Q:** Can my child be successful in a Woodworking course if he/she does not have prior woodworking experience?

**A:** Yes. All levels of ability can be developed to enable a successful student.

**Q:** I have a “Special Needs” child. Can my child enroll too?

**A:** Yes. The Interactive “one-on-one” instruction addresses the individual needs of each student.

“Projects are what allowed me to develop my communication skills through teamwork, my persistence through failure, and my understanding of real-world problems.”