

# CHIPPEWA VALLEY SCHOOLS

## Career and Technical Education



## WOODWORKING AND CABINET MAKING

The Woodworking and Cabinet Making 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.

### **Examples of Careers:**

- Band Saw Operator
- Bench Carpenter
- Cabinet Maker
- CNC Operator
- CNC Router Operator
- Corrugator
- Corrugator Supervisor
- Countertop Maker
- Custom Stair Maker
- Display Designer
- Drill Press Operator
- Engineered Wood Designer
- Finish Carpenter
- Finishing Manager
- Finishing Operator
- Furniture Designer
- Furniture Maker

- Hand Finisher
- Hand Sander
- Hardwood Floor Installer
- Kitchen Designer
- Lathe Operator
- Manual Lathe Operator
- Mill Manager
- Model Builder
- Model Technician
- Panel Saw Operator
- Paper Mill Manager
- Paper Sales Representative
- Prototype Technician
- Sales in Woodworking
- Sawmill Supervisor
- Service in Woodworking
- Solid Surface Technician
- Wood Finisher

- Wood Pattern Maker
- Woodworker
- Woodworking Machine Operator

### **Examples of Degrees, Certificates and/or Certifications**

- 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

### **Classes can meet the following graduation requirements:**

Visual and Performing Arts Credit

World Language Credit

Senior Math–Related Credit

### **Articulation — Earn College Credits**

Students successfully completing the CTE State–approved program may be eligible for tuition free credit.

### **Instructor:**

Mr. Chad Campau

[ccampau@cvs.k12.mi.us](mailto:ccampau@cvs.k12.mi.us)

586.723.2845



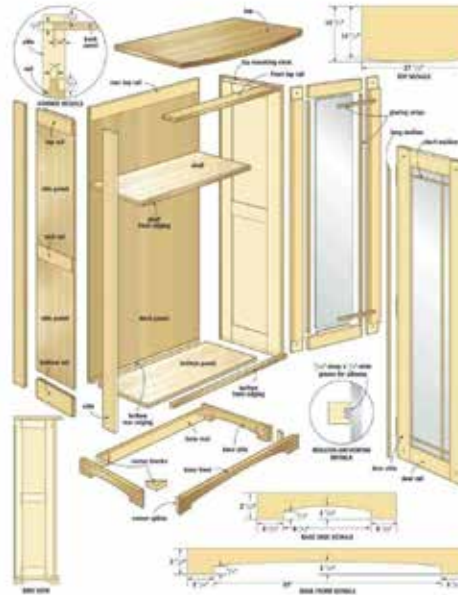
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## EXAMPLES OF CAREERS:


- Band Saw Operator
- Bench Carpenter
- Cabinet Maker
- CNC Operator
- CNC Router Operator
- Counter top Maker
- Custom Stair Maker
- Display Designer
- Drill Press Operator
- Engineered Wood Designer
- Finish Carpenter
- Finishing Manager / Operator
- Furniture Designer
- Furniture Maker
- Hand Finisher
- Hand Sander
- Hardwood Floor Installer
- Kitchen Designer
- Lathe Operator
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## EXAMPLES OF DEGREES, CERTIFICATES AND/OR CERTIFICATIONS

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 Learning that works for Michigan  
**CTE**

# WOODWORKING & CABINET MAKING

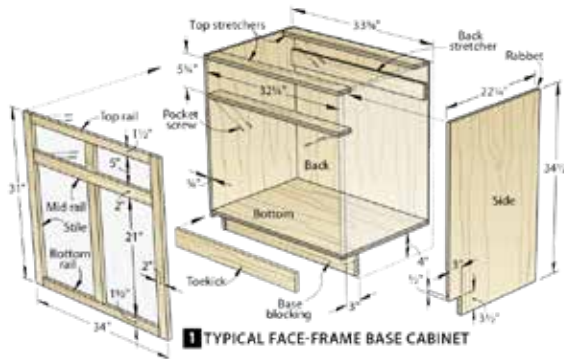


**INSTRUCTOR:**  
**DAKOTA HIGH SCHOOL**  
**Mr. Chad Campau**  
[ccampau@cvs.k12.mi.us](mailto:ccampau@cvs.k12.mi.us)  
**586.723.2845**

**DON'T JUST CHOOSE A CLASS ~ CHOOSE A CAREER**

## WOODWORKING & CABINETMAKING

The Woodworking and Cabinet Making 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.



### CLASSES CAN MEET THE FOLLOWING GRADUATION REQUIREMENTS:

- Visual and Performing Arts Credit
  - World Language Credit
- Articulation — Earn College Credits

Students successfully completing CTE state approved classes, may be eligible for tuition free credit.

### 4770/4790 WOODWORKING 1/2

**Grades 9–12**

**1 hour**

**0.5/0.5 credit**

**Prerequisite:** *None. Woodworking 1 content includes the safe use of hand and electric power tools, safety, measurement and plan layout.* Students will design and construct a project with the use of CNC programming and equipment. Students will start with a smaller project and progress to a larger one second semester. Woodworking 2 studies furniture and furniture accessory construction. Students will continue to safely use hand, power and stationary power tools.

*This course has been approved to meet the MMC senior year math-related credit requirement.*

### 4810/4830 WOODWORKING 3 BC/4 BC

**Grades 10–12**

**1 hour**

**0.5/0.5 credit**

**Prerequisite:** *Woodworking 1/2.*

Furniture construction is featured in Woodworking 3 BC. Students may elect to build or continue a large project or build a number of fine small projects. The project chosen shall be a challenge to the student's ability level. Millwork and exclusive use of power tools are covered. Furniture construction and industrial process is featured with millwork and exclusive use of power tools. The student will construct a large project of his or her own choice and design. The project chosen shall be a challenge to the student's ability level.

*This course has been approved to meet the MMC senior year math-related credit requirement.*

### 9321/9322 ADVANCED WOOD & MILLWORK/CABINET MAKING 1A BC/1B BC

**Grades 10–12 1.0/1.0 credit**

**2 hour**

**Prerequisite:** *Woodworking 1/2, and Woodworking 3 BC/4 BC.*

Actual cabinet-making shop conditions are duplicated. Students will use power machinery, as well as, hand, portable electric, and air power tools. Two projects during the year will be of the student's choice. Wood experience and technology taught will enable the student to secure a job in a cabinetmaking shop or a related area of trade.

*This course has been approved to meet the MMC senior year math-related credit requirement.*

### 9327/9328 ADVANCED WOOD & MILLWORK/CABINET MAKING 2A BC/2B BC

**Grades 11–12**

**2 hour**

**1.0/1.0 credit**

**Prerequisite:** *Woodworking 1/2, 3 BC/4 BC or Advanced Woods 1A BC/1B BC.*

Actual cabinet-making shop conditions are duplicated. Students will use power machinery, as well as, hand, portable electric and air-powered tools. Two projects during the year will be the student's choice. Wood experience and technology taught will enable the student to secure a job in a cabinetmaking shop or a related area of trade.

*This course has been approved to meet the MMC senior year math-related credit requirement.*

### 9331/9332 ADVANCED WOOD/MILL/CABINET INTERNSHIP 1/2

**2 hour**

### 9333/9334 ADVANCED WOOD/MILL/CABINET INTERNSHIP 1A/1B

**1 hour**

This course may be taken for one or two hours. An Individual Educational Training Plan and Training Agreement are developed for each student-trainee detailing his/her specific learning activities. Note: A student who chooses the Internship course for either one or two hours is expected to work 10 hours per week and provide their own transportation.