



School District of Horicon

Course Outline

Learning Targets

Woodworking Technology

UNIT: Safety

The student will be able to

- Perform skills safely by using specific equipment properly.
- Effectively perform correct safety procedures in the classroom/lab/shop.
- Understand safe and unsafe behaviors and operations.

UNIT: Measurement & Layout

The student will be able to

- Calculate and add/subtract fractions to the nearest 1/16”.
- Perform correct and proper tape measure and square reading and figuring.
- Recognize symbols and learn how to read advanced prints and layouts.
- Create and write proper procedure steps to performing operations on a set project.

UNIT: Equipment/Tools

The student will be able to

- Recall and demonstrate the use of portable woodworking tools learned in Exploring woods. (hand routers, drills, jigsaws, sawzall, palm sanders, belt sanders)
- Understand and demonstrate how to properly use new stationary woodworking tools.
- Demonstrate general woodworking hand tool safety and use.

UNIT: Materials/Resources

The student will be able to

- Recognize and distinguish the various types of synthetic woods and varieties.
- Distinguish specific wood defects and wood selection processes.
- Perform correct and safe handle of material used in class.

UNIT: Finishing

The student will be able to

- Understand various kinds of stains and finishes.
- Safely handle stains and finishes when applying.
- Demonstrate proper application procedures.
- Perform the proper clean-up procedures for stains and finishes.

UNIT: Glue & Adhesives

The student will be able to

- Understand various kinds of glues and adhesives
- Demonstrated proper application and use of glues and adhesives
- Perform the correct way to bond edge and face grains together using different kinds of adhesives.

UNIT: Intermediate Portable Power Tool Safety

The student will be able to

- Understand the proper terminology of intermediate portable power tools which include: palm router, air nailer, plunge router, orbital sander.
- Distinguish portable power tool safety rules.
- Perform the safe operational use of intermediate portable power tools.

UNIT: Intermediate Stationary Power Tool Operations

The student will be able to

- Understand the proper terminology of intermediate stationary power tools.
- Distinguish stationary power tool safety rules.
- Perform the safe use of intermediate stationary power tools.

UNIT: Laser/Engraving

The student will be able to

- Understand the proper terminology when using the corel draw and laser usage.
- Distinguish laser engraver safety and cautions.
- Demonstrate the correct operational use of corel draw software.
- Perform personal engraving design and operations.

UNIT: Introduction to Basic Joints

The student will be able to

- Recognize and distinguish the various types of basic wood joints.
- Understand the use and functions of basic wood joints.
- Perform and construct basic wood joints

Students will be able to meet the learning targets above as evidenced by formative and summative classroom assessments.