



# School District of Horicon

## Course Outline

### Learning Targets

#### Exploring Woods

##### 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

- Understand basic fractions to the nearest 1/16".
- Perform correct and proper tape measure and square usage.
- Recognize symbols and learn how to read prints and layouts.
- Create and write proper procedure steps to performing operations on a set project.

##### UNIT: Hand Tools

The student will be able to

- Understand basic terminology of general woodworking tools.
- Understand general hand tool safety and care.
- Handle and operate use of general hand tools safely.

##### UNIT: Materials

The student will be able to

- Recognize and distinguish the various types of wood and materials.
- Understand the use and functions of different woods.
- Perform correct and safe handle of material used in class.

##### UNIT: Finishing

The student will be able to

- Understand general knowledge 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 general knowledge of glues and adhesives.

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

#### **UNIT: Portable Power Tool Safety**

The student will be able to

- Understand the proper terminology of common portable power tools.
- Distinguish the general portable power tool safety rules.
- Perform the safe operational use of general portable power tools.

#### **UNIT: Stationary Power Tool Safety**

The student will be able to

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

#### **UNIT: Laser/Engraving**

The student will be able to

- Understand the proper terminology when using the graphic program and laser usage.
- Distinguish the general laser engraver safely.
- Demonstrate the correct operational use of corel draw software.
- Perform raster cutting with wood laser.

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