



# School District of Horicon

## Course Outline

### Learning Targets

<b>Advanced Woods</b>
<b>UNIT: Safety</b>
<p>The student will be able to</p> <ul style="list-style-type: none"> <li>● Perform skills safely by using specific equipment properly.</li> <li>● Effectively perform correct safety procedures in the classroom/lab/shop.</li> <li>● Understand safe and unsafe behaviors and operations.</li> </ul>
<b>UNIT: Measurement</b>
<p>The student will be able to</p> <ul style="list-style-type: none"> <li>● Understand fractions to the nearest 1/32".</li> <li>● Calculate and add/subtract fractions to the nearest 1/16".</li> <li>● Perform advanced tape measure and square usage.</li> </ul>
<b>UNIT: Equipment/Tools</b>
<p>The student will be able to</p> <ul style="list-style-type: none"> <li>● Demonstrate the use of portable woodworking tools.</li> <li>● Recall and demonstrate how to properly use past stationary woodworking tools.</li> </ul>
<b>UNIT: Lathe/Circular Saw</b>
<p>The student will be able to</p> <ul style="list-style-type: none"> <li>● Understand the knowledge/terminology of lathe and circular saw.</li> <li>● Operate a lathe and circular saw to correct safety standards.</li> <li>● Set up and use of lathe and circular saw properly.</li> </ul>
<b>UNIT: Advanced Finishing</b>
<p>The student will be able to</p> <ul style="list-style-type: none"> <li>● Describe various kinds of finishes.</li> <li>● Understand the safety when handling finishes.</li> <li>● Perform the correct application and clean-up of finishes.</li> </ul>
<b>UNIT: Advanced Adhesives</b>
<p>The student will be able to</p> <ul style="list-style-type: none"> <li>● Describe various kinds of glues and adhesives.</li> <li>● Perform the application and use of glues and adhesives.</li> <li>● Demonstrate gluing and bonding edge and face grains together using various types.</li> </ul>

**Course Title: Advanced Woods**

**UNIT: Advanced Laser/Engraving and Cutting**

The student will be able to

- Review corel draw and laser usage.
- Understand laser engraving safety.
- Understanding vector cutting and performing the operational use of it.

**UNIT: Layout and Sawing**

The student will be able to

- Understand advanced layout methods and drawing
- Apply layout methods for cutting
- Understand various cutting techniques for the same joint application

**UNIT: Case and Framing Joints**

The student will be able to

- Recognize and distinguish between a case and frame joint.
- Understand the use and functions case and framing joints
- Perform and construct various types of case and framing joints.

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