

**School District of Loyal**  
**Advanced Carpentry Construction**  
**Grade: 11 & 12**  
**Student Learning Targets**



**Class: Advanced Carpentry Construction**

Students who demonstrate understanding can:

WI State Standards	Standard:	Student Learning Targets:
AC1.c:	Demonstrate the safe and appropriate use of hand tools common to the residential and commercial construction industry.	<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Demonstrate the safe and proper use of hand tools</li> <li>● Maintain and care for hand tools used in the construction industry</li> <li>● Identify hand tools by its proper name</li> </ul>
AC1.d:	Demonstrate the safe and appropriate use of portable tools that are common to the residential construction industry and are appropriate to the individual student's level.	<p><b>Students will be able to</b></p> <ul style="list-style-type: none"> <li>● Demonstrate the use of portable power tools such as circular saws, table saws, saber saws, drills, nail guns and sanders</li> <li>● Demonstrate pneumatic, electric and cordless portable tools in the construction industry</li> </ul>
AC1.e:	Demonstrate project management procedures and processes as they occur in a construction project.	<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Solve common residential construction problems such as framing, plumbing, and electrical, by using codes adopted by the state and local building standards commission</li> </ul>
AC1.f	Demonstrate the value and necessity of practicing occupational safety in the construction industry facility and job site.	<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Demonstrate OSHA 10 requirements</li> <li>● Apply OSHA 10 safety standards</li> <li>● Display competency in using ladders, scaffolding and other construction equipment</li> </ul>

AC1.g	Demonstrate the variety of building phases, systems and techniques used in architecture and construction.	<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Prepare a job site layout using common surveying equipment</li> <li>● Explain the phases of residential construction</li> </ul>
AC1.h	Demonstrate the impact of financial, technical, environmental, political, societal and labor trends on the past and future of the construction industry.	<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Identify the skills and building techniques that are used to construct safe and efficient homes</li> </ul>
AC1.a	Analyze construction requirements, materials, structures, techniques and maintenance.	<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Analyze how homes are constructed using variety of processes and procedures</li> <li>● Understand how structures can include prefabricated materials</li> </ul>
AC1.b	Apply measurement systems in the planning and layout process used in the residential construction industry.	<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Identify design solutions for residential construction problems</li> <li>● Calculate required materials for residential construction projects</li> <li>● Convert scaled blueprint drawing measurements to full dimensions for a given construction project</li> </ul>