

## Expectations and Outcomes

Grade Level/Course: 10-12

Content Area: Tech Ed

Unit Title	Guarantees
Safety Unit	<ul style="list-style-type: none"> <li>• Tool &amp; Machine Safety</li> <li>• Construction Site Safety</li> </ul>
Measurement Unit	<ul style="list-style-type: none"> <li>• Reading a Ruler &amp; Tape Measure</li> <li>• Reading a Speed Square</li> <li>• Angles</li> </ul>
Construction Drawings	<ul style="list-style-type: none"> <li>• Site Plan, Foundation Plan, Floor Plan, Roof Plans, Elevation Views, Section Drawings, Schedules, Electrical Plans</li> </ul>
Foundation Work	<ul style="list-style-type: none"> <li>• Concrete Practice</li> <li>• Surveying - Transit Basics</li> <li>• Laying Block Foundation</li> </ul>
Flooring Systems	<ul style="list-style-type: none"> <li>• Sill Plates, Joists, Load transfer, beams and Subfloor systems.</li> </ul>
Wall Systems	<ul style="list-style-type: none"> <li>• Rough Framing, Door &amp; Window framing. Squaring framing, adding exterior sheathing</li> </ul>
Basic Electrical Wiring	<ul style="list-style-type: none"> <li>• Roughing in electrical.</li> <li>• Basic Electrical Wiring</li> </ul>
Ceiling and Roof Framing	<ul style="list-style-type: none"> <li>• Slope, Pythagoreans Theorem Insulation, Truss Types, Live &amp; Dead loads and how to use a framing square for layout of roof rafters.</li> </ul>
Building Envelope Systems	<ul style="list-style-type: none"> <li>• Insulation, Vapor barriers, flashing, window &amp; door installation, Siding</li> </ul>
Interior Finishing	<ul style="list-style-type: none"> <li>• Drywall, trim, cabinetry installation</li> </ul>