

**Industrial Technology  
Hartley-Melvin-Sanborn CSD  
Course Benchmarks-Carpentry**

**Standards and Benchmarks**

**Standard I: Understand the basic safety rules and operating procedures for construction.**

Identify causes of common accidents.

Demonstrate proper set-up of steel scaffolding.

Demonstrate proper set-up of various ladders.

Identify various job site hazards.

Demonstrate proper use of hand tools used for carpentry.

Demonstrate proper use of power tools and equipment used for carpentry.

Use proper personal safety equipment and gear.

Demonstrate an attitude of ABC's, or Always Be Careful.

Relate how OSHA affects construction.

**Standard II: Understand the importance of general knowledge necessary in the construction industry.**

Demonstrate use of appropriate hand and power tools for specific tasks.

Demonstrate set-up of builder's level.

Use proper terminology related to carpentry.

Read, glean information, and summarize articles from the Journal of Light Construction.

Demonstrate a disciplined and motivated working attitude at a job site.

Identify specific rules or "code" used in construction.

**Standard III: Understand the basic sequence of procedures for construction.**

Demonstrate use of builder's level for lay-out of a job site.

Identify materials and equipment needed to get started on a project.

Demonstrate initiative in roll out and clean-up procedures.

Estimate time restraints for specific job completions.

Construct specific parts for specific completion goals.

Prepare needed bracing, barriers, and weatherization as needed.

**Standard IV: Understand and demonstrate use of blueprints.**

Preview and study prepared plans or blueprints.

Identify materials used in blueprints listed on a materials list.

Follow plans as specified in blueprints during construction.

**Standard V: Understand and demonstrate use of materials used in construction.**

Choose materials appropriate for specific tasks.

Identify various types of fasteners.

Identify various types of steel connectors.

Identify various manufactured or engineered wood products.

Identify various types of roofing materials.

Identify various types of siding materials.

Relate the strengths and shortcomings of construction materials.