

# Equipment List

## Woodworking

The Woodworking classroom should reflect the equipment and environment students would expect to find in industry. Following are recommended equipment list for each classroom. Please note: This list of recommended items does not necessarily need to be supported financially by CTE state/federal funding sources. In many cases, local school district funds are used to purchase items on a regular basis.

### **Computer Tools**

Computers with sufficient memory and removable storage, peripherals and printers  
Computer projection system with dedicated computer  
Computer numerically controlled (CNC) machining equipment with dedicated computer  
Surge Suppressers  
Large Format Printer

### **Computer & Engineering Resources**

Cabinet Design software, with manuals (Cabinetware or Microvellum recommended)  
Dimensional Calculations and Conversions software with manuals  
Computer Aided Design and Drafting (CADD) software, with manuals (AutoCAD™ recommended)  
Computer-Numerically Controlled (CNC) software, with manuals (Router-CIM™ recommended)  
General productivity software, with manuals  
General utility software, with manuals  
Graphics software, with manuals (e.g., Corel Draw™, Illustrator™, Canvas™)  
Internet browsers  
Panel Optimization and Layout software, with manuals (Cut Planner recommended)  
Project Estimating, Planning and Management software, with manuals  
Word processing software, with manuals  
Manual drafting instrument set  
Scale, architect  
Patterns and Plans

### **Safety**

Eye Washing Station  
First Aid Station or kit  
Hearing Protection  
Lockout/Tag Out devices  
Respiratory Protection  
Safety Cabinet (OSHA and EPA compliant)  
Safety Glasses, Goggles, and Face Shields  
Variety Of MSDSs

## **Hand Held Tools**

Assortment of boring bits  
Assortment of drill bits  
Assortment of hand screw clamps  
Assortment of tape measures, rules and digital measuring tools  
Awl, scratch  
Bar, ripping  
Cabinet scraper  
Calipers (inside/outside for lathe work)  
Calipers (dial/digital) (standard and metric)  
Chisels, wood, assorted sizes  
Clamps bar (24", 36", 48", 62"), band, spring, and picture frame  
Dividers  
Files, various sizes  
Hammers, claw, trim, frame, and shop  
Hand planes (e.g., block, jack, router, smooth)  
Hand scrapers  
Knife, putty  
Knife, utility  
Levels, 24", 48", torpedo, line, and aluminum  
Marking gage  
Micrometers  
Miter saw box  
Miter vice (clamp)  
Nail sets  
Pliers, slip-joint, slip-lock and plug-nose  
Power supply, 4-way  
Punches  
Rasps, various sizes  
Saws, Hand (e.g., Backsaw, Coping, Dovetail, Handsaw, Hacksaw, Miter)  
Screwdrivers, standard and Phillips  
Sliding T bevel  
Specialty cutting tools  
Squares, (e.g., tri, flat steel and combination)  
Steel tape measures (including metric)  
Trammel points  
Wrenches, assorted sizes, standard and metric

## **Hand Held Equipment**

Air Compressor portable  
Assortment of planer and jointer knives  
Assortment of router bits  
Assortment of saw blades  
Biscuit joiner/jointer  
Drill, cordless electric, 3/8"  
Drills, portable power, 3/8", 1/4", 1/2"  
Drills, right angle, 3/8"  
Extension cords: 25", 50", and 100'  
Laminate roller  
Laminate trimmer  
Pneumatic stapler guns  
Pneumatic nail guns (construction and/or finish nailers-brad nailer and pinner)  
Routers, (1/2", 1/4" 1.75hp (several, with at least 1 D-handle) and one 3.5hp, variable speed  
Sanders, finish Random orbit)  
Sander, portable belt  
Sander, spindle  
Saw, circular portable  
Saw, reciprocating  
Saw, sabre  
Screw guns (cordless, 1/2", VSR,  
Staple gun (manual)  
Tack gun /Contact Glue Gun  
Vacuum (shop)

### **Floor & Table Equipment**

Air Compressor stationary  
Boring machines (line bore) **32MM**  
Dado head  
Doweling machine (Hand Clamp On)  
Drill press  
Dust collector system  
Edge bander  
Edge sander  
Hinge drill/insertion machine (regular and 32mm)  
Jointer long bed 8"  
Lathe, wood w/duplicating attachment  
Mortiser  
Molder  
Miter Saw (chopsaw)  
Paint/spray booth w/ filter/regulator and fresh-air breathing system  
Sander, disc (w/dust collector)  
Sanders, belt, 15"-52", w/dust collector  
Sander, edge  
Saw, band 14"  
Saw, panel with scoring blade  
Saw, radial arm, 12-14"  
Saw, scroll  
Saw, sliding compound miter, 12"  
Saw, 10" table with tilting arbor  
Shaper (sliding table, tilt spindle shaper with a power feed  
Surface Planer 15"  
Tool grinder (6-8" pedestal grinder)  
Vacuum, heavy duty  
Vacuum press w/ platen  
Vise, woodworkers

### **Shop Made Equipment**

Assembly and work benches  
Glue-clamp bench  
Jigs and templates  
Lumber storage rack  
Plywood storage rack, flat storage required  
Router table

### **Shop Supplies**

Abrasives of assorted grits (including hook & loop pads)  
Adhesives (White glue, Spray Grade Contact Cement)  
Aprons  
Assortment of fasteners  
Assortment of sanding discs and abrasive belts  
Cans, Oily Waste, Safety  
Cans, Solvent Dispensing  
Nails  
Nuts and bolts  
Rubber Gloves  
Screws

### **Shop Materials**

Assortment of cabinet/furniture hardware  
Laminate (high pressure)  
Lumber, hardwood - Various species, surfaced  
Medium density fiberboard-MDF  
Particle board  
Plywood (hardwood veneer)  
Wood veneer

### **Finish Equipment**

HVLP gun/cups  
Paint pot  
Spray system for standard industrial finishes

### **Finish Supplies**

Industry standard finishes and sealers  
Paints  
Stains  
Varnishes  
Rags