

Equipment List

Construction Technologies Cabinetmaking - Option C

The Cabinetmaking 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. This equipment list will be updated spring 2010.

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