

BUILDING TRADES IN CONSTRUCTION TECHNOLOGY

This recommended list is based upon a classroom size of 25 students. All costs are estimated and should be adjusted and verified with current quotes. No specific equipment vendor or brand names are endorsed due to various possibilities, but school districts should consult with stakeholders to ensure industry-recognized equipment and software are purchased. The intent of this list is to provide school districts with guidance on the equipment needed to cover the state standards for a Building Trades in Construction Technology program.

CLASSROOM EQUIPMENT**TOTAL: \$18,310**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Workstations w/chairs	\$400	\$10,000
1	Teacher Workstation w/chair	\$400	\$400
1	Teacher Computer (enhanced)	\$2,500	\$2,500
1	Presentation Equipment (e.g., Interactive Whiteboard (IWB), or other interactive display system with software and accessories)	\$3,000	\$3,000
1	Networkable Laser Printer (black/white or color)	\$400	\$400
1	Vertical File Cabinet (lockable)	\$330	\$330
2	Storage Cabinets (36" x 12" x 72") (lockable)	\$300	\$600
2	Bookcases (36" x 12" x 42")	\$115	\$230
2	White Boards (4' x 8')	\$110	\$220
1	Eyewash Station	\$300	\$300
1	Fire Extinguisher	\$130	\$130
1	Sink with Soap Dispenser	\$100	\$100
1	First Aid Kit	\$100	\$100

PROGRAM EQUIPMENT**TOTAL: \$72,900**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers (enhanced memory/speed, download capable)	\$1,500	\$37,500
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
1	Industrial Planar	\$5,000	\$5,000
1	Wide Belt Sander	\$5,000	\$5,000

PROGRAM EQUIPMENT (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
2	Full-size Table Saws (with safety guards)	\$3,500	\$7,000
1	Air Compressor (with accessories)	\$3,000	\$3,000
1	Panel Saw	\$3,000	\$3,000
2	Industrial Jointers	\$2,000	\$4,000
2	Moveable Table Saws (with safety guards)	\$1,800	\$3,600
1	Chemical Storage Containers (45-gallon capacity)	\$1,000	\$1,000
1	Storage Cabinet for Eye Protection Equipment	\$800	\$800
2	Compound Miter Saws (with stands)	\$500	\$1,000

INSTRUCTIONAL MATERIALS**TOTAL:****\$3,000**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500

INSTRUCTIONAL SUPPLIES**TOTAL:****\$31,100**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Action Camera (mountable)	\$400	\$400
2	Drill Presses	\$400	\$800
1	Bench Grinder	\$270	\$270
2	Reciprocating Saws (with accessories)	\$200	\$400
1	Disk Sander	\$200	\$200
6	Power Drills & Drivers (with accessories)	\$180	\$1,080
Varies	Starting Project Supplies & Materials (wood, fasteners, hardware, roofing materials, wiring, PVC pipe and fittings, screws, washers, bolts, etc.)	\$16,000	\$16,000
Varies	Power Tools (drills, circular saws, pneumatic nail guns, grinders, etc.)	\$5,000	\$5,000
Varies	Hand Tools (socket sets, hexagonal wrenches, vises, clamps, hammers, chisels, utility knives, screw drivers, torque wrenches, pliers, wire cutters, various clamps, etc.)	\$2,500	\$2,500
Varies	Measuring Equipment (framing squares, speed squares, measuring tapes, architectural and engineer's scales, calipers, levels, plumb bobs & chalk lines, etc.)	\$2,000	\$2,000

INSTRUCTIONAL SUPPLIES (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
Varies	Personal Protective Equipment (class sets)	\$1,000	\$1,000
Varies	Material Handling Equipment (pallet jacks, dollies, straps, etc.)	\$750	\$750
Varies	Computer Accessories (cases, covers, etc.)	\$500	\$500
Varies	Camera Accessories (memory cards, batteries, etc.)	\$200	\$200

OTHER**TOTAL:****\$300**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Occupational Safety and Health Administration (OSHA) Instructor Training	\$300	\$300

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	\$18,310
PROGRAM EQUIPMENT	\$72,900
INSTRUCTIONAL MATERIALS	\$3,000
INSTRUCTIONAL SUPPLIES	\$31,100
OTHER	\$300
ESTIMATED PROGRAM TOTAL	\$125,610