

WELDING 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, and 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 Welding Technology program.

CLASSROOM EQUIPMENT**TOTAL: \$16,740**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Workstations w/chairs	\$400	\$10,000
1	Teacher Workstation w/chair	\$400	\$400
1	Teacher Computer	\$900	\$900
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	\$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
2	Fire Extinguishers	\$130	\$260
1	First Aid Kit	\$100	\$100

PROGRAM EQUIPMENT**TOTAL: \$168,500**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers	\$1,000	25,000
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
6	Welding Simulators w/software	\$7,000	\$42,000
1	Pedestal Grinder	\$3,500	\$3,500
12	Welding Stations or Booths	\$3,000	\$36,000
6	Gas Tungsten Arc Welders (GTAW/TIG)	\$1,600	\$9,600
6	Cutting Tables	\$1,500	\$9,000
6	Gas Metal Arc Welders (GMAW/MIG)	\$1,200	\$7,200
12	Shielded Metal Arc Welders (SMAW)	\$1,000	\$12,000
2	Metal Stretchers	\$800	\$1,600

PROGRAM EQUIPMENT (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Storage Cabinet for Sanitized Eye Protection Equipment	\$800	\$800
6	Oxy-fuel Welders/Cutting Equipment	\$600	\$3,600
2	Belt Grinders for Metal	\$600	\$1,200
Varies	Plasma Cutter(s) (multiple, individual, table, or combination)	\$15,000	\$15,000

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: \$19,250

QTY	ITEM DESCRIPTION	UNIT	TOTAL
Varies	Personal Safety Equipment (welding hoods, gloves, ear protection, and aprons)	\$5,000	\$5,000
Varies	Welding Materials (electrodes, metal, wire, gas, etc.)	\$5,000	\$5,000
Varies	Welding Tools (clamps, slag hammers, electrode tip cleaners, flint strikers, etc.)	\$4,000	\$4,000
Varies	Basic Tools (pliers, hammers, screwdrivers, chisels, etc.)	\$2,000	\$2,000
Varies	Hand and Power Tools (drills, saws, soapstone, etc.)	\$1,500	\$1,500
Varies	Measurement Tools (tape measures, levels, squares, etc.)	\$750	\$750
Varies	Lab Safety Supplies (glasses, brooms, garbage cans, etc.)	\$500	\$500
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500

OTHER

TOTAL: \$300

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

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	\$16,740
PROGRAM EQUIPMENT	\$168,500
INSTRUCTIONAL MATERIALS	\$3,000
INSTRUCTIONAL SUPPLIES	\$19,250
OTHER	\$300
ESTIMATED PROGRAM TOTAL	\$207,790