

AUTOMOTIVE 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 an Automotive Technology program.

CLASSROOM EQUIPMENT**TOTAL: \$16,840**

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 (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
2	Fire Extinguisher	\$130	\$260
1	Sink with Soap Dispenser	\$100	\$100
1	First Aid Kit	\$100	\$100

PROGRAM EQUIPMENT**TOTAL: \$119,175**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers	\$1,000	\$25,000
1	Technology Storage/Charging System	\$2,000	\$2,000
1	Start-up Tool Kit (including all basic hand and power tools for instruction and storage)	\$20,000	\$20,000
1	Brake Lathe	\$7,000	\$7,000
1	Tire Changer	\$6,400	\$6,400
1	Wheel Balancer	\$6,200	\$6,200
1	Air System (including air compressor, air hoses, air lines, regulator and water extractors, and air transformers/regulators)	\$6,000	\$6,000
2	Test Engines	\$5,000	\$10,000

PROGRAM EQUIPMENT (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Car Lift – 4 Post	\$4,000	\$4,000
2	Car Lifts – 2 Post	\$3,000	\$6,000
1	HVAC Reclaimer/Recycler (for R1234 YF Refrigerant R 134 A)	\$2,500	\$2,500
1	Pressure Washer	\$2,200	\$2,200
2	Scissor Lifts	\$1,800	\$3,600
1	Parts Cleaner	\$1,800	\$1,800
1	Oil Filter Crusher	\$1,700	\$1,700
1	Hydraulic Jack	\$1,675	\$1,675
2	Gas Tungsten Arc Welders (GTAW/TIG)	\$1,600	\$3,200
1	Scan Tool	\$1,500	\$1,500
1	Engine Lift	\$1,100	\$1,100
1	Battery Charger (AGM/Gel compatible)	\$1,000	\$1,000
2	Engine Stands	\$1,000	\$2,000
1	Flammable Material Storage Cabinet	\$1,000	\$1,000
1	Starting, Charging, and Battery System Charger	\$1,000	\$1,000
1	Frame Jack – 6 ton	\$900	\$900
1	Storage Cabinet for Sanitized Eye Protection Equipment	\$800	\$800
1	Oxy-fuel Welders/Cutting Equipment	\$600	\$600

INSTRUCTIONAL MATERIALS**TOTAL:****\$9,900**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (Approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500
1	Online Automotive Technology Curriculum (Approved Instructional Materials)	\$6,000	\$6,000
1	Diagnostic Information Platform	\$600	\$600
1	Safety & Pollution Prevention (SP2) Safety software	\$300	\$300

INSTRUCTIONAL SUPPLIES

TOTAL:

\$32,140

QTY	ITEM DESCRIPTION	UNIT	TOTAL
2	Battery Load Testers	\$475	\$950
1	Action Camera	\$450	\$450
5	Graphing Multimeters (GMM), Oscilloscopes, or Digital Multimeters (DMM) with Scope Capability	\$450	\$2,250
1	Low AMP Automatic Charger	\$300	\$300
4	Wheel Chocks	\$260	\$1,040
2	Inside Metric Micrometers	\$250	\$500
4	Creepers	\$225	\$900
2	Test Lead Kits	\$125	\$250
Varies	Hand Tools (various types of wrenches, chisel sets, drill motors, flashlights, hacksaws, hammers, inspection mirrors, various types of pliers, screw drivers, punch sets, screw starters and extractors, socket sets, torque wrenches, etc.)	\$8,000	\$8,000
Varies	Miscellaneous Tools (caulking guns, C-clamps, files, drills for welding, gear puller sets, heat guns, oil disposal cans, panel splitters, pry bar sets, putty knives, sanding tools, rivet guns, tap and die sets, tape measures, tin snips, tire pressure gauges, twist drill sets, special removing/releasing tools, etc.)	\$5,000	\$5,000
Varies	Shop Equipment (grounded extension cords, jumper cables, heat lamp, hood props, infrared contact thermometer, oil and coolant drain pans, shop brooms, trash cans, work lights, wheel dollies, work stands and work benches, etc.)	\$3,000	\$3,000
Varies	Welding Tools and Materials	\$1,800	\$1,800
Varies	Micrometers – Inside & Depth (metric and standard)	\$1,700	\$1,700
Varies	Brake Specialty Tools (brake bleeder, fluid tester, lining thickness gauges, rotor/disc micrometer, drum brake gauge, trailer electrical cord tester, etc.)	\$1,500	\$1,500
Varies	Personal Safety Equipment (welding hoods/face shields, welding gloves, hearing protection, aprons, seat covers, fender covers, etc.)	\$1,500	\$1,500
Varies	Personal Protective Equipment (PPE) (gloves, glasses/goggles, etc.)	\$1,000	\$1,000
Varies	Hydraulic Jack and Jack Stands (3-ton, 5-ton, 7-ton)	\$1,000	\$1,000
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500
Varies	Waste Storage	\$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	\$16,840
PROGRAM EQUIPMENT	\$119,175
INSTRUCTIONAL MATERIALS	\$9,900
INSTRUCTIONAL SUPPLIES	\$32,140
OTHER	\$300
ESTIMATED PROGRAM TOTAL	\$178,355