

DIESEL 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 Diesel Technology program.

CLASSROOM EQUIPMENT**TOTAL: \$17,510**

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	Storage Cabinet for Sanitized Eye Protection Equipment	\$800	\$800
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
1	Eyewash Station	\$300	\$300
1	Fire Extinguisher	\$130	\$130
2	Bookcases (36" x 12" x 42")	\$115	\$230
2	White Boards (4' x 8')	\$110	\$220
1	Sink with Soap Dispenser	\$100	\$100
1	First Aid Kit	\$100	\$100

PROGRAM EQUIPMENT**TOTAL: \$149,345**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers	\$1,000	\$25,000
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
2	Test Engines	\$20,000	\$40,000
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

PROGRAM EQUIPMENT (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air System (including air compressor and air hoses, air lines, regulator and water extractors, air transformer/regulators)	\$6,000	\$6,000
1	Car Lift – 4 Post	\$4,000	\$4,000
2	Car Lifts – 2 Post	\$3,000	\$6,000
1	Heating, Ventilation, and Air Conditioning (HVAC) Reclaimer/Recycler for R-1234 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)	\$1,600	\$3,200
1	Diagnostic Scan Tool	\$1,500	\$1,500
1	Engine Lift	\$1,100	\$1,100
2	Engine Stands	\$1,000	\$2,000
1	Starting, Charging, and Battery System Charger	\$1,000	\$1,000
1	Flammable Materials Storage Cabinet	\$1,000	\$1,000
1	Frame Jack – 6-ton	\$900	\$900
1	Clutch Aligner Set	\$900	\$900
1	Oxyacetylene (Oxy-Fuel) Welders/Cutting Equipment	\$600	\$600
1	Coolant Exchange System	\$570	\$570
1	Battery Charger (Absorbed Glass Mat [AGM] / gel compatible)	\$500	\$500

INSTRUCTIONAL MATERIALS**TOTAL:****\$3,900**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (Approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500
1	Diagnostic Information Platform	\$600	\$600
1	S/P2 Safety and Pollution Prevention Training Software	\$300	\$300

INSTRUCTIONAL SUPPLIES

TOTAL:

\$36,170

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Universal Joint Press Set	\$495	\$495
2	Reverse Brake/Clutch Bleeders	\$490	\$980
2	Battery Load Testers	\$475	\$950
5	Graphing Multimeters (GMM), Oscilloscopes, or Digital Multimeters (DMM) (with scope capability)	\$450	\$2,250
1	Action Camera	\$450	\$450
2	Camshaft Bearing Remover and Inserter Sets	\$310	\$620
1	Coil Spring Compressor	\$300	\$300
1	Automatic Charger (low amperage)	\$300	\$300
2	Inside Metric Micrometer sets	\$250	\$500
2	Transmission and Engine Oil Pressure Testers	\$225	\$450
1	Ball Joint Service Kit	\$225	\$225
2	Voltage Drop Testers	\$200	\$400
4	Creepers	\$200	\$800
2	Test Lead Kits	\$125	\$250
2	Crankshaft Harmonic Balancer Kits	\$100	\$200
4	Wheel Chocks	\$50	\$200
Varies	Hand Tools (various types of wrenches and pliers, chisel sets, drill motors, flashlights, hacksaws, hammers, inspection mirrors, 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 can disposal, 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 and releasing tools, axle tools, exhaust pressure kits, etc.)	\$6,000	\$6,000
Varies	Shop Equipment (grounded extension cords, jumper cables, heat lamps, hood props, infrared contact thermometers, oil and coolant drain pans, shop brooms, trash cans, work lights, wheel dollies, work stands, work benches, etc.)	\$3,000	\$3,000
Varies	Personal Protective Equipment (PPE) (gloves, glasses/goggles, face shields, hearing protection, welding PPE, seat covers, fender covers, etc.)	\$1,800	\$1,800
Varies	Welding Tools and Materials	\$1,800	\$1,800
Varies	Micrometers – Inside and 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	Hydraulic Jack and Jack Stands (3-ton, 5-ton, 7-ton)	\$1,000	\$1,000

INSTRUCTIONAL SUPPLIES (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500
Varies	Waste Storage	\$500	\$500
Varies	Clutch Repair and Removal Tools	\$500	\$500
Varies	Coil Kits	\$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	\$17,510
PROGRAM EQUIPMENT	\$149,345
INSTRUCTIONAL MATERIALS	\$3,900
INSTRUCTIONAL SUPPLIES	\$36,170
OTHER	\$300
ESTIMATED PROGRAM TOTAL	\$207,225