

AVIATION MAINTENANCE TECHNICIAN

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 Aviation Maintenance Technician program.

CLASSROOM EQUIPMENT**TOTAL: \$17,340**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Workstations w/chairs	\$400	\$10,000
1	Teacher Workstation w/chair	\$400	\$400
1	Teacher Computer (enhanced memory/storage, download capable)	\$1,400	\$1,400
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: \$144,300**

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	12V Aviation Electrical System Trainer	\$22,800	\$22,800
1	Cockpit Instrumentation Trainer	\$15,700	\$15,700
1	Landing Gear System Trainer	\$13,400	\$13,400
2	Engine Trainers	\$8,300	\$16,600
1	Aviation Hydraulic System Trainer	\$7,000	\$7,000
1	Fluid Lines & Fittings Trainer	\$4,800	\$4,800
1	Aviation Pneumatic System Trainer	\$4,500	\$4,500

PROGRAM EQUIPMENT (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
2	Gas Tungsten Arc Welders (GTAW/TIG)	\$1,600	\$3,200
6	Basic Electricity Panel	\$1,200	\$7,200
12	Outside Micrometers (Analog – 0 – 1” range)	\$800	\$9,600

INSTRUCTIONAL MATERIALS

TOTAL: \$4,000

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (Approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500
Varies	Federal Aviation Administration (FAA) Handbooks and Resources	\$1,000	\$1,000

INSTRUCTIONAL SUPPLIES

TOTAL: \$14,900

QTY	ITEM DESCRIPTION	UNIT	TOTAL
12	Safety Wire Starter Kits	\$250	\$3,000
12	Combination Sets (includes 12” machinists square, protractor head and centering head)	\$200	\$2,400
Varies	Measuring Tools (thickness gauge sets, calipers, machinist scales, steel tape rulers, etc.)	\$2,500	\$2,500
Varies	Welding Personal Safety Equipment (welding hoods, gloves, ear protection, aprons, safety glasses/goggles, masks, etc.)	\$2,500	\$2,500
Varies	Hand Tools (assortment of pliers, screw drivers, combination wrenches, etc.)	\$2,500	\$2,500
Varies	Metal Working Tools	\$1,500	\$1,500
Varies	Inspection tools (inspection mirrors, flashlights, and 10x magnifying glasses)	\$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	\$17,340
PROGRAM EQUIPMENT	\$144,300
INSTRUCTIONAL MATERIALS	\$4,000
INSTRUCTIONAL SUPPLIES	\$14,900
OTHER	\$300
ESTIMATED PROGRAM TOTAL	\$180,840