

## TRANSPORTATION CLUSTER AVIATION TECHNOLOGY EQUIPMENT LIST

Items for Aviation Program	Qty	Cost	Extension
Aprons, Cotton	10	\$40.00	\$400.00
Bench, Wooden 28"x34"	1	\$1,000.00	\$1,000.00
Benches, Wooden Work 3' X 6' With Vices Attached	4	\$500.00	\$2,000.00
Benches, Wooden Work, 54" x 64" With Vices Attached	4	\$1,500.00	\$6,000.00
Brace & Bit Hand Drills	5	\$10.00	\$50.00
Cable Cutters	2	\$50.00	\$100.00
Chisels, Cold 3/8", 3/4"	6	\$10.00	\$60.00
Clamps – "C" Assorted sizes	9	\$15.00	\$135.00
Combination Wrenches, Metric (7mm – 24mm)	6	\$10.00	\$60.00
Combination Wrenches, Standard (1/4" – 1 1/4")	6	\$10.00	\$60.00
Crowfoot Wrench Set - Metric	6	\$5.00	\$30.00
Crowfoot Wrench Set - Standard	6	\$5.00	\$30.00
Ear Protection	20	\$7.00	\$140.00
Electric Extension cords	3	\$20.00	\$60.00
Electric Light Drop Cords	2	\$20.00	\$40.00
Etcher, Electric	2	\$10.00	\$20.00
Fan, 36" – On Wheels	1	\$200.00	\$200.00
Feeler Gauge (Blade Type), .002" - .040"	2	\$5.00	\$10.00
Feeler Gauge (Blade Type), .006mm - .070mm	2	\$5.00	\$10.00
File, Cards	3	\$5.00	\$15.00
Files, Coarse 6" and 12"	4	\$5.00	\$20.00
Files, Half Round 12"	4	\$5.00	\$20.00
Files, Round 6" and 12"	3	\$5.00	\$15.00
Grinder, Electric	4	\$50.00	\$200.00
Hack Saw	2	\$8.00	\$16.00
Hammer, 16oz. Ball Peen	6	\$5.00	\$30.00
Hammer, Plastic Tip	2	\$7.00	\$14.00
Hammer, Sledge 3#	1	\$20.00	\$20.00
Hammers, Claw	5	\$5.00	\$25.00
Hoist, Engine	1	\$150.00	\$150.00
Inspection Mirror	4	\$8.00	\$32.00
Levels	5	\$10.00	\$50.00
Pliers, Combination 6"	6	\$5.00	\$30.00
Pliers, Duckbill	6	\$5.00	\$30.00
Pliers, Locking Jaw	6	\$5.00	\$30.00
Pliers, Needle Nose 6"	6	\$5.00	\$30.00
Rubber Mallet	1	\$5.00	\$5.00
Flexhead Ratchet 3/8" drive	2	\$5.00	\$10.00
Flexible Socket Set 10mm – 19mm	6	\$1.00	\$6.00
Flexible Socket Set 3/8" – 3/4"	6	\$1.00	\$6.00

Pliers Side Cutting	6	\$3.00	\$18.00
Pliers Slip Joint (Water Pump)	6	\$4.00	\$24.00
Pliers, Vice Grips	6	\$6.00	\$36.00
Punch Letter Sets	2	\$10.00	\$20.00
Punches Pin	9	\$10.00	\$90.00
Punches, Center	9	\$10.00	\$90.00
Ratchet – ¼ Drive	6	\$5.00	\$30.00
Ratchet – ½ Drive	6	\$5.00	\$30.00
Ratchet – 3/8 drive	6	\$5.00	\$30.00
Safety Glasses (meeting OSHA requirements)	20	\$15.00	\$300.00
Screwdriver – 12" #3	6	\$5.00	\$30.00
Screwdriver – 6" #1, #2	6	\$5.00	\$30.00
Screwdriver – Blade Type, 6", 9", 12"	6	\$5.00	\$30.00
Screwdriver – Phillips	6	\$5.00	\$30.00
Snips, Aviation Sheet Metal (R/H) Offset	6	\$10.00	\$60.00
Snips, Aviation Sheet Metal (Straight) Offset	6	\$10.00	\$60.00
Snips, Aviation Sheet Metal, (L/H) Offset	6	\$10.00	\$60.00
Socket Set – 1/2" Drive	6	\$5.00	\$30.00
Socket Set – 1/4" Drive	6	\$5.00	\$30.00
Socket Set – 10mm – 19mm Deep	6	\$5.00	\$30.00
Socket Set – 10mm – 19mm Standard Depth	6	\$5.00	\$30.00
Socket Set – 3/8" – 3/4" Deep (6 point)	6	\$5.00	\$30.00
Socket Set – 3/8" Drive	6	\$5.00	\$30.00
Socket Set – 3", 5", 10" Extensions	6	\$5.00	\$30.00
Socket Set – 5/16" – 3/4" Standard Depth (6 point)	6	\$5.00	\$30.00
Socket Set – 7/16" – 1 1/8" Deep	6	\$5.00	\$30.00
Socket Set – 7/16" – 1 1/8" Standard Depth	6	\$5.00	\$30.00
Socket Set 1/4" – 1/2" Deep	6	\$5.00	\$30.00
Socket Set 1/4" – 1/2" Standard Depth	6	\$5.00	\$30.00
Socket Set 10mm – 24mm Deep	6	\$5.00	\$30.00
Socket Set 10mm – 24mm Standard Depth	6	\$5.00	\$30.00
Socket Set 3", 6" Extensions	6	\$5.00	\$30.00
Socket Set 3", 6", 12" Extensions	6	\$5.00	\$30.00
Socket Set 6mm – 12mm Deep	6	\$5.00	\$30.00
Socket Set 6mm – 12mm Standard Depth	6	\$5.00	\$30.00
Socket Set Flex/Universal Type	6	\$5.00	\$30.00
Speed Handle	2	\$7.00	\$14.00
Universal Joint	6	\$2.00	\$12.00
Flex Handle (Breaker Bar)	2	\$6.00	\$12.00
Tape Measure – Standard and Metric	2	\$2.00	\$4.00
Torque Wrench 3/8" Drive (10 – 250 lb. in.)	3	\$75.00	\$225.00
Torque Wrench 3/8 Drive (5 – 75lb. ft.)	3	\$50.00	\$150.00
Torque Wrench 1/2 Drive (50 – 250 lb. ft.)	3	\$75.00	\$225.00
Tubing Benders	5	\$15.00	\$75.00

Tubing Cutters	5	\$10.00	\$50.00
Tubing Flaring Tools	5	\$9.00	\$45.00
Wire Brush	6	\$5.00	\$30.00
Wrenches, Crescent 8", 10" & 12"	3	\$5.00	\$15.00
Wrenches, Pipe	2	\$5.00	\$10.00

Total Cost \$13,564.00

Items for Aviation Program	Qty	Cost	Extension
Air Chisel Set (various bits)	6	\$250.00	\$1,500.00
Air Compressor	1	\$2,000.00	\$2,000.00
Air Hoses	9	\$30.00	\$270.00
Air Pressure Regulator	2	\$25.00	\$50.00
Air Ratchet (3/8" drive)	2	\$40.00	\$80.00
Drill – 3/8" Variable Speed, Reversible	2	\$50.00	\$100.00
Drill – 1/2" Variable Speed, Reversible	2	\$50.00	\$100.00
Extension Cords	3	\$20.00	\$60.00
Face Shields	3	\$15.00	\$45.00
Floor Jack ( 1 ½ Ton Minimum)	2	\$200.00	\$400.00
Hand Held Vacuum Pump	1	\$30.00	\$30.00
Impact Wrench – 3/8" Drive	1	\$25.00	\$25.00
Micrometer (Depth)	6	\$50.00	\$300.00
Micrometers – 0-1", 1-2", 2-3", 3-4", 4-5"	6	\$50.00	\$300.00
Oil Filter Wrench	1	\$5.00	\$5.00
Oxy-Acetylene Tanks	1	\$200.00	\$200.00
Soldering Gun	4	\$10.00	\$40.00
Tubing Bender	6	\$20.00	\$120.00
Tubing Cutter/Flaring Set (Double-lap and ISO)	6	\$100.00	\$600.00
Twist Drill Set – 1/64" – 1/2"	4	\$20.00	\$80.00
Vernier Calipers 0- 6"	6	\$50.00	\$300.00

OPTIONAL: Trainers, CNC Systems, and Simulators that enhance student learning, raise student achievement, meet industry standards, and have SDE approval.

**Total Cost** \$6,605.00

Items for Aviation Program	Qty	Cost	Extension
Belt Sander Disc	2	\$20.00	\$40.00
Band Saw	1	\$700.00	\$700.00
Scroll Saw	1	\$100.00	\$100.00
Fabric Tester, Maule	1	\$60.00	\$60.00
Hydraulic Landing Gear System Trainer	1	\$12,420.00	\$12,420.00
Toe-In/Toe-Out Scales	2	\$300.00	\$600.00
Magneto Tester	1	\$6,000.00	\$6,000.00

GTSIO-520 Continental Engine	1	\$14,000.00	\$14,000.00
O-470 Continental Engine	1	\$13,000.00	\$13,000.00
Bench Shear 48"	1	\$1,000.00	\$1,000.00
Drill Press	1	\$600.00	\$600.00
Grinder 220V 3 ph	1	\$50.00	\$50.00
Sheet Metal Roll	1	\$500.00	\$500.00
Cut off Saw	2	\$100.00	\$200.00
Bucking Bars, "S" Shaped (149)	10	\$20.00	\$200.00
Bucking Bars, "Z" Shaped (142)	6	\$20.00	\$120.00
Bucking Bars, "Z" Shaped (670)	3	\$20.00	\$60.00
Cages, Countersink (Micro stop)	12	\$2.00	\$24.00
Clecos, Spring #10	20	\$1.00	\$20.00
Clecos, Spring #20	20	\$1.00	\$20.00
Clecos, Spring #30	20	\$1.00	\$20.00
Clecos, Spring #40	20	\$1.00	\$20.00
De-burring Tools	8	\$3.00	\$24.00
Pliers, Clecos	20	\$5.00	\$100.00
Portable Crane – 1/2 Ton	1	\$400.00	\$400.00
Rivet Gun, Pop	2	\$30.00	\$60.00
Rivet Guns, Pneumatic	10	\$60.00	\$600.00
Rivet Sets, Pneumatic Assorted Sizes	20	\$25.00	\$500.00
Telescope Gauge Set	6	\$30.00	\$180.00
Cockpit Instrument Trainer	1	\$10,000.00	\$10,000.00
Oxy-Acetylene Tanks	1	\$200.00	\$200.00
Welding Manifold System	1	\$800.00	\$800.00
Welder AC 225 A	3	\$500.00	\$1,500.00
Welding Face Shields	6	\$15.00	\$90.00
Welders Goggles, Gas cutting/Welding	9	\$15.00	\$135.00
Welders, Chipping Hammers	6	\$10.00	\$60.00
Welders, Gloves-Leather	9	\$10.00	\$90.00
Welders, Strikers	6	\$6.00	\$36.00

Total

\$64,529.00