

Alabama CTE Equipment List

This list is based on a classroom size of 25 students and meets minimum standards. All costs are estimated. No specific equipment vendor or brand names are endorsed, 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 General Agriculture program and are not meant to dictate the number of students that can safely fit in a classroom and/or laboratory.

Cluster: Agriculture, Food, and Natural Resources
Program: General Agriculture

CLASSROOM EQUIPMENT

TOTAL: \$2,300

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Computer with Current Operating System	\$500-\$1,000	\$500
1	Laser Printer, color	\$500	\$500
1	Teacher/Student Workstation – to include one large table or smaller tables, chairs, or a different type of seating area	\$800	\$800
1	Technology- TV/Computer connection with video streaming capability	\$500	\$500

PROGRAM EQUIPMENT (Items over \$250)

TOTAL: \$31,325

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Chisel with punch and chisel attachments	\$150	\$150
1	Air Compressor	\$1,600	\$1,600
1	Arc Welder	\$400	\$400
1	Blueprint or Diazo Machine and/or Photocopier	\$2,500	\$2,500
1	Builder's level or transit with rod & tripod	\$600	\$600
1	CAD Software	\$1,500	\$1,500
1	Drill Press, 15", variable speed	\$1,400	\$1,400
2	Drill, ½" hammer	\$250	\$500
1	Flat File, 10 drawers	\$1,300	\$1,300
1	Four-Stroke Training Engine	\$250	\$250
1	GPS Equipment (with GIS Capabilities)	\$600	\$600
1	Mig Welder, 110-120v	\$1,000	\$1,000
1	Mig Welder, 220v	\$1,500	\$1,500
1	Oxyacetylene Welding/Cutting Outfit	\$350	\$350
1	Pipe Die Set	\$300	\$300
1	Pipe Vise (fixed or portable)	\$375	\$375
1	Planer	\$2,400	\$2,400
1	Plasma Arc Cutter	\$900	\$900
1	Plotter, network	\$1,000	\$1,000
1	Pneumatic Finish Nail Gun	\$400	\$400

1	Pneumatic Framing Nail Gun	\$400	\$400
1	Pressure Washer	\$350	\$350
1	Router Cabinet Door Template System	\$800	\$800
1	Saw, band, 14" or larger	\$1,700	\$1,700
1	Saw, compound miter	\$600	\$600
1	Saw, metal chop	\$300	\$300
1	Saw, scroll	\$350	\$350
1	Saw, table, 10" minimum	\$3,500	\$3,500
1	Service Entrance Panel (200 amp with 100 amp main and breakers)	\$400	\$400
1	Single Phase Transformer Trainer	\$1,000	\$1,000
1	Tap and Die Set (Standard & Metric)	\$300	\$300
1	Tiller, rotary	\$1,000	\$1,000
1	Two-Cycle Training Engine	\$350	\$350
1	Valve Seat Cutter Kit	\$550	\$550
1	Water Hose, 100'	\$300	\$300
1	Water Quality Test Kit (LaMotte 363302)	\$300	\$300
2	Work Bench, wooden	\$500	\$1,000

INSTRUCTIONAL SUPPLIES (Items under \$250)

TOTAL: \$22,106

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Die Grinder with Bits	\$150	\$150
1	Air Hose, 50'	\$50	\$50
1	Air Regulator	\$50	\$50
2	Allen Wrench Set (Metric & Standard)	\$40	\$80
2	Angle Grinder	\$100	\$200
10	Anvil Pruner Shear	\$30	\$300
25	Automatic and/or Mechanical Pencils	\$2	50
1	Bench Vise, 6" or larger	\$150	\$150
2	Bit Driver Set (Hex or Allen and Torx)	\$50	\$100
1	Blade, 14" diamond tip	\$150	\$150
1	Blade, abrasive	\$15	\$15
1	Block and Tackle	\$100	\$100
2	Block Plane	\$45	\$90
1	Braided Line, 500'	\$10	\$10
1	Brush Cutter	\$25	\$25
10	Brushes, paint	\$10	\$100
5	Bypass Pruner	\$20	\$100
10	Calculator	\$5	50
2	Caliper set	\$40	\$80
1	Cat Paw Nail Digger	\$25	\$25
10	C-clamps (4, 6, 8, 10, 12 in.)	\$10	\$100
3	Chalk Line	\$20	\$60
2	Chisel, wood set	\$35	\$70

5	Clamps, assorted (metal/wood)	\$25	\$125
3	Clamps, bar	\$20	\$60
2	Cold Chisels, assorted	\$20	\$40
1	Countersink Bit Set	\$10	\$10
1	Desoldering Kit	\$200	\$200
1	DNA Extraction Kit (fruit)	\$75	\$75
5	Drafting Tool Kit	\$60	\$300
1	Drill Bit Set, metal/wood	\$50	\$50
1	Drill Bits, masonry carbide	\$50	\$50
1	Drill Press Vise	\$150	\$150
1	Drill, 3/8" air	\$150	\$150
2	Drill, portable power, variable speed, reversible	\$200	\$400
1	Drywall Handsaw	\$35	\$35
1	Drywall Hole Saw	\$15	\$15
1	Drywall Screw Drill	\$100	\$100
10	Erasers (pencil, ink, and plastic)	\$5	50
2	Extension Cord, 12/3, 25'-100', grounded	\$80	\$160
1	Feeler Gauge Set	\$25	\$25
2	File Assortment	\$40	\$80
1	First Aid Kit	\$35	\$35
1	Flaring Tool Set	\$65	\$65
1	Flask, 500ml	\$10	\$10
5	Floral Snips	\$12	\$60
5	Garden Hoe	\$35	\$175
5	Garden Trowel	\$20	\$100
3	Graduated Cylinder (500ml)	\$20	\$60
1	Gram Scale Electronic Balance	\$150	\$150
1	Grinder, pedestal or portable	\$200	\$200
2	Hacksaw	\$20	\$40
2	Hammer, ball pein, (16-32 oz.)	\$17	\$34
2	Hammer, chipping	\$10	\$20
10	Hammer, claw	\$30	\$300
1	Hammer, dead blow	\$50	\$50
1	Hammer, roofing	\$25	\$25
3	Hammer, sledge	\$35	\$105
1	Hammer, soft face	\$25	\$25
1	Hand Plane	\$25	\$25
5	Handsaw	\$25	\$125
30	Hard Hat (per student)	\$20	\$600
1	Hole Saw Set for Drill (wood)	\$30	\$30
1	Hot Glue Guns	\$20	\$20
1	Knock Out Punch Set	\$100	\$100
1	Ladder (6'-14' Step)	\$100	\$100
1	Level (12" to 48")	\$25	\$25
1	Level, torpedo	\$20	\$20

5	Loping Shears, heavy duty	\$30	\$150
1	Machinist Vise	\$150	\$150
1	Magnetic Pick-up Tool	\$20	\$20
1	Microcentrifuge	\$250	\$250
1	Microcentrifuge Tubes (50)	\$100	\$100
1	Microscope	\$300	\$300
1	Microscope Accessory Kit	\$150	\$150
1	Microwave	\$100	\$100
1	Multimeter, digital, overload protected	\$150	\$150
1	Nail Sets	\$10	\$10
1	Nut Driver Set (Metric)	\$65	\$65
1	Nut Driver Set (Standard)	\$65	\$65
1	pH Meter	\$60	\$60
1	Photo Electric Cell Fixture and Light	\$70	\$70
3	Pipe Cutter	\$35	\$105
1	Pipe Reamer	\$20	\$20
3	Pipe Wrench	\$30	\$90
5	Plier, multi-purpose groove joint	\$20	\$100
5	Pliers, combination slip joint	\$20	\$100
5	Pliers, diagonal cutting	\$15	\$75
5	Pliers, lineman side cutting	\$10	\$50
5	Pliers, locking	\$15	\$75
5	Pliers, long needle nose side cutting	\$10	\$50
2	Plumb Bob	\$12	\$24
1	Pneumatic Stapler	\$200	\$200
1	Pole Saw	\$50	\$50
1	Portable Belt Sander	\$150	\$150
2	Portable Circular Saw	\$100	\$200
2	Portable Power Sander	\$100	\$200
3	Post Hole Digger	\$50	\$150
1	Propane Torch Kits	\$35	\$35
5	Pruning Saw	\$25	\$125
5	Pruning Shears	\$20	\$100
5	Pry Bar	\$19	\$95
1	Punch Set	\$50	\$50
1	Punch, center	\$6	\$6
3	PVC Cutter	\$50	\$150
5	Rake, flathead	\$35	\$175
5	Rake, spring back lawn	\$18	\$90
1	Ratchet, 3/8" air drive	\$100	\$100
1	Reamer, ridge (1 1/2"-5")	\$60	\$60
6	Ring Compressor (4 small-2 large)	\$20	\$120
1	Ring Expander or Installer Set	\$20	\$20
1	Ring Groove Cleaner	\$28	\$28
1	Rivet Tool	\$30	\$30

1	Router	\$150	\$150
1	Router Bit Set	\$200	\$200
1	Router Door and Jamb Hinge Template	\$150	\$150
1	Router Dovetail Kit	\$100	\$100
1	Ruler, masonry folding 6'	\$20	\$20
30	Safety Glasses/Goggles (per student)	\$8	\$240
10	Safety Snap Hooks	\$15	\$150
1	Saw, jig, variable speed	\$100	\$100
1	Saw, reciprocating	\$150	\$150
5	Scale, 2# capacity	\$50	\$250
10	Scissors	\$12	120
2	Screwdriver, assorted + & -	\$25	\$50
1	Shop Vac - Wet	\$150	\$150
5	Shovel, round point	\$40	\$200
5	Shovel, square point	\$40	\$200
1	Siphon mixer (w/ backflow preventer)	\$32	\$32
1	Sled Runner, round convex	\$9	\$9
1	Sling Set	\$200	\$200
1	Small Engine Tool Kit (Flywheel Puller, Flywheel Holder, Starter, Clutch Wrenches, Valve Spring Compressor, Rewind Starter Tools, Spark Tester)	\$125	\$125
1	Socket Set, English	\$60	\$60
1	Socket Set, Metric	\$60	\$60
1	Soil Probe	\$55	\$55
1	Soil Test Kit	\$20	\$20
1	Soldering Gun (100-140w)	\$50	\$50
1	Soldering Irons (40w)	\$15	\$15
1	Spade, long blade transplanting	\$60	\$60
1	Spark Plug Gauge	\$5	\$5
1	Spark Plug Thread Chaser	\$12	\$12
1	Sprayer, 3 gallons	\$35	\$35
1	Square, combination	\$10	\$10
3	Square, framing	\$15	\$45
5	Square, speed or try	\$10	\$50
3	Square, T – 4'	\$18	\$54
5	Tape Measure (16'-50')	\$14	\$70
2	Tape Measure (100')	\$25	\$50
1	Telescoping Gauge (1 ½" – 5")	\$40	\$40
1	Timing Light	\$90	\$90
1	Tin Snips Set (left, right, center)	\$30	\$30
1	Torque Wrench ½"	\$40	\$40
1	Torque Wrench, Inch-Pound (click-type or needle type) 3/8"	\$40	\$40
1	Tree Scale Stick (Biltmore)	\$15	\$15
1	Triangle, 30/60 degrees and 45 degrees	\$5	\$5

1	Triangular Scales (architect, civil engineer, metric)	\$15	\$15
1	Tubes, bacteriological culture (15ml)	\$3	\$3
1	Vise Clamps	\$14	\$14
1	VOM, multi tester/clamp on current tester	\$150	\$150
1	Water Wand	\$25	\$25
1	Welding Gloves (pairs)	\$20	\$20
1	Welding Helmet with Lenses rated for Mig/Tig	\$150	\$150
1	Welding Table	\$250	\$250
1	Welding/Cutting Goggles	\$15	\$15
1	Wheelbarrow	\$200	\$200
1	Whiteboard with Markers	\$175	175
	Whiteboard with Markers	\$175	\$0
1	Wire Brush	\$5	\$5
1	Wire Cup Brush for Drill	\$8	\$8
5	Wire Strippers	\$17	\$85
1	Wood Bits, power set	\$15	\$15
1	Wood Rasp Set	\$12	\$12
3	Wrench, adjustable set (6", 8", 10", 12")	\$25	\$75
2	Wrench, combination set (English & Metric)	\$120	\$240

Category Totals:

Classroom Equipment	\$2,300
Program Equipment	\$31,325
Instructional Supplies	\$22,106
Estimated Program Total	\$55,731