

## 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 an Industrial 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: Industrial 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: \$27,875

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Compressor	\$1,600	\$1,600
1	Arc Welder	\$400	\$400
1	Builder's Level or Transit with Rod and Tripod	\$600	\$600
1	CAD Software	\$1,500	\$1,500
1	Commercial 2 Cycle Gasoline Engine Nylon Trimmer	\$300	\$300
1	Drill Press, 15", variable speed	\$1,400	\$1,400
1	Drill, ½" Hammer	\$250	\$250
1	Flat File, 10 drawers	\$1,300	\$1,300
1	Four-Stroke Training Engine	\$250	\$250
1	Impact Gun, ½" Air Drive	\$250	\$250
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	Pneumatic Finish Nail Gun	\$400	\$400
1	Pneumatic Framing Nail Gun	\$400	\$400
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 & 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	Welding Table	\$250	\$250
2	Work bench, wooden	\$500	\$1,000

**INSTRUCTIONAL SUPPLIES** (Items under \$250)

TOTAL: \$12,025.20

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Chisel with Punch and Attachments	\$150	\$150
25	Automatic and/or Mechanical Pencils	\$2	50
2	Bench Vise, 6" or larger	\$150	\$300
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
1	Block Plane	\$45	\$45
1	Block, 4" Concrete	\$2	\$2
1	Block, 6" Concrete	\$2	\$2
1	Block, 8" Concrete	\$2	\$2
1	Braided Line, 500'	\$10	\$10
1	Brick Set (4")	\$20	\$20
1	Brick, Half	\$0.20	\$0.20
1	Brick, Hollow	\$0.35	\$0.35
2	Brushes, paint	\$10	\$20
10	Calculator	\$5	50
2	Caliper Set	\$40	\$80
1	Cat Paw Nail Digger	\$25	\$25
2	C-clamps (4, 6, 8, 10, 12 in.)	\$10	\$20
1	Chaining Pin Sets	\$25	\$25
1	Chalk Line	\$20	\$20
1	Chisel, Wood Set	\$35	\$35
2	Clamps, Assorted (metal/wood)	\$25	\$50
2	Clamps, Bar	\$20	\$40
1	Cold chisels, Assorted	\$20	\$20

1	Compression Gauge with Adapters for Various Engines	\$25	\$25
1	Convex Jointer, Heavy Duty	\$10	\$10
1	Countersink Bit Set	\$10	\$10
1	Cylinder Hone (1" – 3")	\$25	\$25
1	Cylinder Hone (3" – 5")	\$25	\$25
1	Desoldering Kit	\$200	\$200
1	Dial or Digital Caliper (Metric)	\$40	\$40
1	Dial or Digital Caliper (Standard)	\$40	\$40
1	Drafting Tool Kit	\$60	\$60
1	Drill Bit Set, metal/wood	\$50	\$50
1	Drill Bits, Masonry Carbide	\$50	\$50
1	Drill Press Vise	\$150	\$150
1	Drill, ½" Right Angle	\$200	\$200
1	Drill, 3/8" Air	\$150	\$150
1	Drill, portable power, variable speed, reversible	\$200	\$200
1	Drywall Hammer	\$30	\$30
1	Drywall Handsaw	\$35	\$35
1	Drywall Hole Saw	\$15	\$15
1	Drywall Screw Drill	\$100	\$100
1	Electrician's Knives	\$25	\$25
1	Engine RPM Tachometer	\$75	\$75
10	Erasers (Pencil, Ink, and Plastic)	\$5	50
1	Expansion Bit	\$30	\$30
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	Fish Tape, 100'	\$25	\$25
1	Flaring Tool Set	\$65	\$65
1	Fuse Puller	\$30	\$30
1	Garden Hoe	\$35	\$35
1	Gasket Scraper	\$15	\$15
1	Grease Gun, hand operated	\$50	\$50
1	Grinder, Pedestal or Portable	\$200	\$200
3	Hacksaw	\$20	\$60
3	Hammer, Ball Pein, (16-32 oz.)	\$17	\$51
3	Hammer, Chipping	\$10	\$30
1	Hammer, Claw	\$30	\$30
3	Hammer, Dead Blow	\$50	\$150
1	Hammer, Roofing	\$25	\$25
1	Hammer, Sledge	\$35	\$35
1	Hammer, Soft Face	\$25	\$25
1	Hand Jointer	\$15	\$15
1	Hand Plane	\$25	\$25
3	Handsaw	\$25	\$75

30	Hard Hat (per student)	\$20	\$600
1	Hole Saw Set for Drill (Wood)	\$30	\$30
1	Impact Gun, 3/8" Air Drive	\$200	\$200
1	Increment Borer	\$225	\$225
1	Joint Raker	\$15	\$15
1	Knock Out Punch Set	\$100	\$100
1	Ladder (6'-14' Step)	\$100	\$100
1	Ladder, 24' Extension	\$200	\$200
1	Level (12" to 48")	\$25	\$25
1	Level, Mason's	\$60	\$60
1	Level, Torpedo	\$20	\$20
1	Line Block	\$5	\$5
1	Low Voltage System/Bell/Chimes, Transformer, Push Buttons	\$50	\$50
1	Machinist Vise	\$150	\$150
1	Magnetic Pick-up Tool	\$20	\$20
1	Mallet, wooden	\$25	\$25
1	Micrometer Set (0.001" – 5")	\$100	\$100
1	Multimeter, Digital, Overload Protected	\$150	\$150
1	Nail Sets	\$10	\$10
2	Nut Driver Set (Metric)	\$65	\$130
2	Nut Driver Set (Standard)	\$65	\$130
1	Parts Washer with Brush	\$150	\$150
1	Photo Electric Cell Fixture and Light	\$70	\$70
1	Pipe Cutter	\$35	\$35
1	Pipe Reamer	\$20	\$20
1	Pipe Wrench	\$30	\$30
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
1	Plugging Chisel	\$18	\$18
1	Plumb Bob	\$12	\$12
1	Pneumatic Stapler	\$200	\$200
1	Portable Belt Sander	\$150	\$150
1	Portable Circular Saw	\$100	\$100
1	Portable Power Sander	\$100	\$100
1	Propane Torch Kits	\$35	\$35
3	Pry Bar	\$19	\$57
1	Punch Set	\$50	\$50
1	Punch, center	\$6	\$6
3	PVC Cutter	\$50	\$150
2	Rake, flathead	\$35	\$70

2	Rake, spring back lawn	\$18	\$36
1	Ratchet, 3/8" air drive	\$100	\$100
1	Reamer, ridge (1 1/2"-5")	\$60	\$60
1	Ring Compressor (4 Small-2 Large)	\$20	\$20
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 Jam 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
1	Saw, Jig, variable speed	\$100	\$100
1	Saw, Reciprocating	\$150	\$150
10	Scissors	\$12	120
3	Screwdriver, assorted + & -	\$25	\$75
3	Shovel, round point	\$40	\$120
3	Shovel, square point	\$40	\$120
1	Sled Runner, Round Convex	\$9	\$9
1	Small Engine Tool Kit (Flywheel Puller, Flywheel Holder, Starter, Clutch Wrenches, Valve Spring Compressor, Rewind Starter Tools, Spark Tester)	\$125	\$125
2	Socket Set, English	\$60	\$120
2	Socket Set, Metric	\$60	\$120
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
1	Square, framing	\$15	\$15
1	Square, speed or try	\$10	\$10
1	Square, T - 4'	\$18	\$18
1	Tape Measure (100')	\$25	\$25
3	Tape Measure (16'-50')	\$14	\$42
1	Telescoping Gauge (1 1/2" - 5")	\$40	\$40
1	Timing Light	\$90	\$90
1	Tin Snips Set (left, right, center)	\$30	\$30
1	Torque Wrench, 1/2"	\$40	\$40
1	Torque Wrench, Inch-Pound (Click-Type or Needle Type), 3/8"	\$40	\$40
1	Vise clamps	\$14	\$14
1	VOM, multi tester/clamp on current tester	\$150	\$150

1	Welding Gloves (pairs)	\$20	\$20
1	Welding Helmet with Lenses rated for Mig/Tig	\$150	\$150
1	Welding/Cutting Goggles	\$15	\$15
1	Wheelbarrow	\$200	\$200
1	Whiteboard with Markers	\$175	175
1	Wire Brush	\$5	\$5
1	Wire Cup Brush for Drill	\$8	\$8
3	Wire Strippers	\$17	\$51
1	Wood Bits, power set	\$15	\$15
1	Wood Rasp Set	\$12	\$12
1	Wrench, adjustable set (6", 8", 10", 12")	\$25	\$25
2	Wrench, combination set (English & Metric)	\$120	\$240

**Category Totals:**

Classroom Equipment	\$2,300
Program Equipment	\$27,875
Instructional Supplies	\$12,025.20
<b>Estimated Program Total</b>	<b>\$42,200.20</b>