

## 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 Animal Science 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: Animal Science

#### 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: \$16,050

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Compressor	\$1,600	\$1,600
1	Aquaculture Tank kit/heater, filter, pump, feeder, etc. 150 to 350 gallons	\$6,000	\$6,000
1	Aquarium Kit/heater, filter, pump, feeder, etc. 20 to 100 gallons	\$1,000	\$1,000
1	Arc Welder	\$400	\$400
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	Microscope	\$300	\$300
1	Mig Welder, 110-120v	\$1,500	\$1,500
1	Pressure Washer	\$350	\$350
1	Saw, compound miter	\$600	\$600
1	Water Hose 100'	\$300	\$300
1	Water Quality Test Kit (LaMotte 363302)	\$300	\$300
1	Welding Table	\$250	\$250
1	Work Bench, wooden	\$500	\$500

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

**TOTAL: \$6,388**

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Hose, 50'	\$50	\$50
1	Air Regulator	\$50	\$50
2	Allen Wrench Set (metric & standard)	\$40	\$80
2	Angle Grinder	\$100	\$200
2	Anvil Pruner Shear	\$30	\$60
25	Automatic and/or Mechanical Pencils	\$2	50
1	Bench Vise, 6" or larger	\$150	\$150
1	Bit Driver Set (Hex or Allen and Torx)	\$50	\$50
1	Brushes, Paint	\$10	\$10
10	Calculator	\$5	50
1	Cat Paw Nail Digger	\$25	\$25
1	C-Clamps (4, 6, 8, 10, 12 in.)	\$10	\$10
1	Chalk Line	\$20	\$20
1	Chisel, Wood Set	\$35	\$35
1	Clamps, assorted (metal/wood)	\$25	\$25
1	Clamps, Bar	\$20	\$20
1	Countersink Bit Set	\$10	\$10
1	Drill Bit Set, metal/wood	\$50	\$50
1	Drill Bits, Masonry Carbide	\$50	\$50
1	Drill, portable power, variable speed, reversible	\$200	\$200
10	Erasers (Pencil, Ink, and Plastic)	\$5	50
1	Extension Cord, 12/3, 25'-100', grounded	\$80	\$80
1	File Assortment	\$40	\$40
1	First Aid Kit	\$35	\$35
1	Flask, 500ml	\$10	\$10
1	Garden Hoe	\$35	\$35
1	Graduated Cylinder (500ml)	\$20	\$20
1	Gram Scale Electronic Balance (1gram-4 pounds)	\$150	\$150
1	Hacksaw	\$20	\$20
1	Hammer, ball pein, (16-32 oz.)	\$17	\$17
1	Hammer, claw	\$30	\$30
1	Hammer, sledge	\$35	\$35
1	Hanging Scales	\$100	\$100
30	Hard Hat (per student)	\$20	\$600
1	Hole Saw Set for Drill (Wood)	\$30	\$30
1	Hot Glue Guns	\$20	\$20
1	Ladder (6'-14' Step)	\$100	\$100
1	Level (12" to 48")	\$25	\$25
1	Level, torpedo	\$20	\$20
1	Mallet, wooden	\$25	\$25
1	Microscope Accessory Kit	\$150	\$150
1	Multimeter, digital, overload Protected	\$10	\$10
1	Nail Sets	\$65	\$65

1	Nut Driver Set (Metric)	\$65	\$65
1	Nut Driver Set (Standard)	\$65	\$65
1	Oxyacetylene Welding/Cutting Outfit	\$150	\$150
1	pH Meter	\$60	\$60
1	Pipe Wrench	\$20	\$20
1	Plier, multi-purpose groove joint	\$20	\$20
1	Pliers, combination slip joint	\$20	\$20
1	Pliers, diagonal cutting	\$15	\$15
1	Pliers, lineman side cutting	\$10	\$10
1	Pliers, locking	\$15	\$15
1	Pliers, long needle nose side cutting	\$10	\$10
1	Portable circular saw	\$100	\$100
1	Post hole digger	\$25	\$25
1	Propane Torch Kits	\$35	\$35
1	PVC Cutter	\$50	\$50
1	Rake, flathead	\$35	\$35
1	Rake, spring back lawn	\$25	\$25
30	Safety Glasses/Goggles (per student)	\$8	\$240
1	Saw, jig, variable speed	\$150	\$150
1	Saw, reciprocating	\$150	\$150
10	Scissors	\$12	120
1	Screwdriver, assorted + & -	\$25	\$25
2	Shop Vac - Wet	\$150	\$300
2	Shovel, round point	\$40	\$80
2	Shovel, square point	\$40	\$80
2	Socket Set, English	\$60	\$120
1	Socket Set, Metric	\$60	\$60
1	Sprayer, 3 gallons	\$80	\$80
1	Square, framing	\$15	\$15
1	Square, speed or try	\$15	\$15
1	Tape Measure (100')	\$25	\$25
1	Tape Measure (16'-50')	\$14	\$14
1	Tin Snips Set (left, right, center)	\$30	\$30
1	Torque Wrench, inch-pound (click-type or needle type) 3/8"	\$50	\$50
1	Tubes, bacteriological culture (15ml)	\$3	\$3
1	Vise Clamps	\$14	\$14
1	VOM, multi tester/clamp on current tester	\$150	\$150
1	Welding Gloves (pairs)	\$25	\$25
1	Welding Helmet with lenses rated for Mig/Tig	\$150	\$150
1	Welding/Cutting Goggles	\$20	\$20
1	Wheelbarrow	\$200	\$200
1	Whiteboard with Markers	\$175	\$175
1	Whiteboard with Markers	\$175	175
1	Wire Brush	\$5	\$5

1	Wire Strippers	\$20	\$20
1	Wood Bits, Power set	\$20	\$20
1	Wrench, adjustable Set (6", 8", 10", 12")	\$25	\$25
1	Wrench, combination Set (English & Metric)	\$120	\$120

**Category Totals:**

Classroom Equipment	\$2,300
Program Equipment	\$16,050
Instructional Supplies	\$6,388
<b>Estimated Program Total</b>	<b>\$24,738</b>