

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 Environmental and Natural Resources 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: Environmental and Natural Resources

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: \$8,750

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Compressor	\$1,600	\$1,600
1	Chain Saw	\$400	\$400
1	Compass, staff	\$650	\$650
1	Flat File, 10 drawers	\$1,300	\$1,300
1	GPS Equipment (with GIS capabilities)	\$600	\$600
1	Hypsometer	\$450	\$450
1	Microcentrifuge	\$250	\$250
1	Microscope	\$300	\$300
1	Saw, compound miter	\$600	\$600
1	Tiller, rotary	\$1,000	\$1,000
2	Water Hose 100'	\$300	\$600
1	Water Quality Test Kit (LaMotte 363302)	\$300	\$300
1	Wheelbarrow	\$200	\$200
1	Work bench, wooden	\$500	\$500

INSTRUCTIONAL SUPPLIES (Items under \$250)

TOTAL: \$12,780

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Air Hose, 50'	\$50	\$50
1	Allen Wrench Set (Metric & Standard)	\$40	\$40

1	Angle Grinder	\$100	\$100
1	Anvil Pruner Shear	\$30	\$30
1	Ascenders	\$100	\$100
25	Automatic and/or Mechanical Pencils	\$2	50
1	Axe	\$75	\$75
1	Bench Vise, 6" or larger	\$150	\$150
1	Bit Driver Set (Hex or Allen and Torx)	\$50	\$50
1	Bow Saw	\$20	\$20
1	Brush Cutter	\$25	\$25
1	Brushes, paint	\$10	\$10
5	Bypass Pruner	\$20	\$100
10	Calculator	\$5	50
1	Carabiner Set	\$60	\$60
1	C-clamps (4, 6, 8, 10, 12 in.)	\$10	\$10
1	Chemical Facial Respirator (for protection against harmful dust, sprays, pesticide vapors)	\$175	\$175
1	Chisel, wood set	\$35	\$35
1	Clamps, assorted (metal/wood)	\$25	\$25
1	Clamps, bar	\$20	\$20
1	Climbing Rope	\$130	\$130
1	Clinometer	\$150	\$150
1	Compass, mirror-sighting, Azimuth	\$20	\$20
1	Countersink Bit Set	\$10	\$10
1	Diameter Tape, tree	45	\$45
1	DNA Extraction Kit (fruit)	\$75	\$75
1	Drill Bit Set, metal/wood	\$50	\$50
1	Drill, portable power, variable speed, reversible	\$200	\$200
1	Electric Chainsaw Sharpener	\$100	\$100
10	Erasers (pencil, ink, and plastic)	\$5	50
1	Extension Cord, 12/3, 25'-100', grounded	\$80	\$80
1	Fertilizer Spreader	\$75	\$75
1	Figure-eight Descenders	\$15	\$15
1	File Assortment	\$40	\$40
1	First Aid Kit	\$35	\$35
1	Flask, 500ml	\$10	\$10
1	Floral Snips	\$12	\$12
3	Garden Hoe	\$35	\$105
1	Garden Trowel	\$15	\$15
1	Graduated Cylinder (500ml)	\$20	\$20
1	Gram Scale Electronic Balance (1 gram - 4 pounds)	\$150	\$150
1	Hacksaw	\$20	\$20
1	Handsaw	\$25	\$25
30	Hard Hat (per student)	\$20	\$600
1	Hedge Shears	\$35	\$35
1	Hot Glue Guns	\$20	\$20

1	Ladder (6'-14' Step)	\$100	\$100
1	Ladder, 24' extension	\$200	\$200
1	Lanyard	\$60	\$60
3	Loping Shears, heavy duty	\$30	\$90
1	Magnetic Pick-up Tool	\$20	\$20
1	Microcentrifuge Tubes (50)	\$100	\$100
1	Microscope Accessory Kit	\$150	\$150
1	Nut Driver Set (Metric)	\$65	\$65
1	Nut Driver Set (Standard)	\$65	\$65
1	pH Meter	\$60	\$60
1	Pipe Wrench	\$30	\$30
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	Pole Saw	\$50	\$50
1	Propane Torch Kits	\$35	\$35
3	Pruning Saw	\$25	\$75
3	Pruning Shears	\$20	\$60
1	PVC Cutter	\$50	\$50
5	Rake, flathead	\$35	\$175
5	Rake, spring back lawn	\$18	\$90
30	Safety Glasses/Goggles (per student)	\$8	\$240
1	Safety Snap Hooks	\$15	\$15
1	Saw, jig, variable speed	\$100	\$100
1	Scale, 2# capacity	\$50	\$50
10	Scissors	\$12	120
1	Screwdriver, assorted + & -	\$25	\$25
3	Shovel, round point	\$40	\$120
3	Shovel, square point	\$40	\$120
1	Siphon Mixer (with backflow preventer)	\$32	\$32
1	Sling Set	\$200	\$200
1	Socket Set, English	\$60	\$60
1	Socket Set, Metric	\$60	\$60
1	Soil Probe	\$55	\$55
1	Soil Test Kit	\$20	\$20
3	Spade, long blade transplanting	\$60	\$180
1	Sprayer, 3 gallons	\$35	\$35
1	Square, Speed or Try	\$10	\$10
1	Tape Measure (16'-50')	\$14	\$14
1	Tape, Measure (100')	\$25	\$25
1	Tin Snips Set (left, right, center)	\$30	\$30
5	Tree Scale Stick (Biltmore)	\$15	\$75

1	Tubes, bacteriological culture (15ml)	\$3	\$3
1	Vise Clamps	\$14	\$14
1	VOM, multi tester/clamp on current tester	\$150	\$150
1	Whiteboard with Markers	\$175	175
1	Wrench, adjustable set (6", 8", 10", 12")	\$25	\$25

Category Totals:

Classroom Equipment	\$2,300
Program Equipment	\$8,750
Instructional Supplies	\$12,780
Estimated Program Total	\$23,830