

## 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 Health Science program and are not meant to dictate the number of students that can safely fit in a classroom and/or laboratory.

**Cluster: Health Science**  
**Program: Health 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: \$16,477

*\*All items highlighted in yellow are required for the Foundations of Health Science course*

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
1	Adult Patient Teaching Manikin	\$2600	\$2600
1	Anatomical Models	\$300	\$300
1	Automated External Defibrillator (AED) Trainer	\$525	\$525
1	Bedside Cabinet (1 Per Bed Unit)	\$400	\$400
5	CPR Adult Manikin with feedback	\$185	\$925
5	CPR Infant manikin with feedback	\$185	\$925
1	Hospital Bed (Electric or Semi-Electric)	\$3300	\$3300
1	Human Torso	\$860	\$860
1	IV Pole	\$300	\$300
1	Microscope	\$500	\$500
1	Patient Privacy Curtain or Screen	\$230	\$230
1	Rolling Stretcher	\$1700	\$1700
1	Scales with Height Measure	\$490	\$490
1	Sink with Running Water (Access is required)	\$1800	\$1800
1	Skeleton, Adult Human	\$630	\$630
1	Soiled Linen Container	\$270	\$270
1	Thermometer (Oral/Electronic)	\$292	\$292
1	Wheelchair	\$400	\$400

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

**TOTAL: \$2,106**

*\*All items highlighted in yellow are required for the Foundations of Health Science course*

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
As needed	Alcohol Preps	\$10	
As needed	Anatomical Charts	\$30	
As needed	Antimicrobial Sprays/Wipes	\$6	
As needed	Antiseptic Solutions	\$10	
As needed	Band aides (Various Sizes)	\$4	
As needed	Bandage Scissors	\$6	
1	Bath Basin	\$5	\$5
1	Bedpan	\$20	
1	Bedside Commode	\$140	\$140
As needed	Biohazard Bags	\$15	
1	Biohazard Sharps Container	\$15	\$15
1	Biohazard Waste Receptacle	\$30	\$30
2 per bed unit	Blankets	\$25	\$50
1	Cervical Collar	\$45	\$45
1	Class ABC Fire Extinguisher	\$65	\$65
As needed	Cold Packs	\$2	
As needed	CPR Mouth Shields (Various Types)	\$34	
1	Crutches	\$45	\$45
2 per bed unit	Draw Sheet	\$14	\$28
As needed	Elastic Wraps	\$2	
As needed	Emesis Basin	\$3	
1	Eye Wash Station	\$80	\$80
1	Feeding Tubes (N/G and Gastrostomy)	\$30	\$30
2 per bed unit	Fitted Sheet	\$22	\$44
2 per bed unit	Flat Sheet	\$25	\$50
1	Foley Catheters with Drainage Bag Set Up	\$20	\$20
1	Gait Belt	\$25	\$25
As needed	Gauze Bandages (Various Sizes)	\$4	
As needed	Gloves (Non-Sterile and Sterile)	\$21	
2 per manikin	Hospital Gown	\$10	\$20
As needed	Isolation Gowns	\$40	
As needed	IV Bag and IV Tubing	\$7	
1	Large Wall Clock	\$30	\$30
As needed	Liquid Bath Soap	\$4	
As needed	Masks, Goggle, or Face Shields	\$21	
1	Overbed Table (1 Per Bed Unit)	\$125	\$125
1	Oxygen Cannula or Masks and Tubing	\$5	\$5
As needed	Padded Board Splints	\$8	
As needed	Pen Lights	\$3	
2 per bed unit	Pillowcase	\$7	\$14
2 per bed unit	Pillows	\$12	\$24
As needed	Reflex Hammer	\$6	

As needed	Roller Bandages (Various Sizes)	\$4	
As needed	Safety Precaution Signage	\$10	
1	Snellen Eye Chart	\$25	\$25
5	Sphygmomanometers/Cuffs	\$45	\$225
1	Spinal Immobilization Device, or Backboard (CPR)	\$200	\$200
1	Spirometry	\$15	\$15
As needed	Steristrips or Butterfly Bandages	\$12	
5	Stethoscope-Dual Head	\$25	\$125
1	Suction Catheter	\$30	\$30
As needed	Syringes (Various Sizes)	\$20	\$20
As needed	Tape (Various Sizes)	\$8	
1	Teaching Stethoscope	\$30	\$30
1	Thermometer (Temporal)	\$30	\$30
1	Thermometer (Tympanic Electronic)	\$75	\$75
As needed	Thermometer Probe Covers	\$40	
As needed	Tongue Depressors	\$8	
As needed	Toothbrush	\$1	
As needed	Toothpaste (Oral Care Items)	\$4	
As needed	Tourniquet C-9	\$70	
As needed	Triangular Bandages	\$1	
1	Urinal or Urine Hat Container	\$3	\$3
1	Walker	\$75	\$75
As needed	Water Pitcher and Cup	\$5	

## COURSE SPECIFIC EQUIPMENT

### Courses: Biotechnology I, Biotechnology II

*\*Please note that many items on this list can be found in a Chemistry classroom.*

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
2	1.5 ml Microcentrifuge Tubes 500/Pack	\$14	\$28
10	1.7 ml Reaction Tube Rack	\$8	\$80
2	15 ml Centrifuge Tubes 50/Pack	\$18	\$36
1	95% Ethanol	\$85	\$85
8	Binocular Microscope	\$820	\$6,560
1	Crystal Violet Staining Solution	\$14	\$14
2	Digital Scale .01 Gram Accuracy	\$100	\$200
5	Disposable Cuvettes	\$10	\$50
2	Electrophoresis	\$870	\$1,740
1	Erlenmeyer Flask 125ml	\$38/12 PK	\$38
1	Erlenmeyer Flask 1L	\$40/6 PK	\$40
1	Erlenmeyer Flask 250 ml	\$39/12 PK	\$39
2	Erlenmeyer Flask 2L	\$20	\$40
2	Erlenmeyer Flask 500 ml	\$25/6 PK	\$50
8	Floating Micro Centrifuge Rack	\$10	\$80
8	Graduated Cylinder 100 ml	\$182	\$1,456
4	Graduated Cylinder 500 ml	\$213	\$852

1	Grams Iodine	\$21	\$21
5	Hot Hand, Hand Protector	\$19	\$95
2	Hot Plat/Stirrer	\$385	\$385
2	Incubation Oven	\$295	\$590
4	Long Wave UV Lamps	\$35	\$140
8	Metal Inoculating Loop	\$4	\$32
2	Microcentrifuge	\$260	\$520
2	Microcentrifuge Tube Rack 5/Pack	\$20	\$40
8	Micropipette 100-1000	\$159	\$1,272
8	Micropipette 20-200	\$159	\$1,272
8	Micropipette 2-20	\$159	\$1,272
8	Micropipette Racks	\$23	\$184
8	Mini-Sub Cell GT 7X7	\$179	\$1,432
1	Parafilm	\$27	\$27
2	PCR Racks	\$56/10 PK	\$112
1	PCR Tubes	\$25	\$25
10	Petri Dishes	\$10/20 PK	\$100
2	pH Meter	\$192	\$384
8	Pipet Pump Blue	\$21	\$168
8	Pipet Pump Green	\$23	\$184
1	Pipet Tips 1000 uL 96/Pack	\$70	\$70
1	Pipet Tips 200 uL 1000/Pack	\$11	\$11
4	Power-Pac Basic	\$325	\$1,300
1	Protein Tips	\$43	\$43
1	Safranin Counter Stain	\$58	\$58
1	Spectrophotometer	\$3,910	\$3,910
12	Stir Bars	\$6	\$72
10	Test Tube Racks	\$7	\$70
1	Test Tubes 100/Pack	\$40	\$40
1	Thermocycler	\$2,000	\$2,000
1	Transilluminator	\$428	\$428
8	Tube Clamps	\$3	\$24
2	Water Bath	\$150	\$300
1	Xculda Tips (PCR)	\$98	\$98

### COURSE SPECIFIC EQUIPMENT

Courses: SPORTS MEDICINE I, SPORTS MEDICINE II

QUANTITY	ITEM DESCRIPTION	UNIT	TOTAL
As needed	Athletic Tape	\$40/Case	
As needed	Exercise Equipment (Assorted for Sports Medicine)	\$350	
As needed	Goniometer	\$9	
As needed	Heel and Lace Pads with Lubricant	\$80/Case	
1	Portable Medical Kit Bag (Sports Medicine)	\$100	\$100
As needed	Pre-Wrap	\$80/Case	
As needed	Splint Bags	\$70	

As needed	Sports Medicine Mats	\$40	
As needed	Sports Medicine Tables	\$700	
As needed	Thera Tubing	\$20	
As needed	TheraBand	\$30	
Minimum 1	Therapeutic Modality Devices	\$700	\$700

### OPTIONAL EQUIPMENT/SUPPLIES

ITEM DESCRIPTION
25 Well Thermal Cycler
Advanced Patient Care Simulator/Trainer
Animal Manikin
Audiometer
Autoclave and Wrapping Supplies
Baby Bassinet
Bedside Laptop Cart
Blood Pressure Simulator
Bottles Graduated autoclavable 1L
Bottles Graduated autoclavable 500 ml
Centrifuge
Concussion Simulation Kit
Cubical Curtain
Culture Media
Digital Pulse Oximeter
Dryer
EKG Machine
EKG Simulator
Glucometer and Test Strips
Head Immobilizer
Instant Eye Wash
Interactive Multimedia/Anatomical Models
Interactive Smartboard or Whiteboard
IV Training Arm
Medical Headwall System
Microscope Slides (Pre-Stained or Ready for Preparation)
Mini-Trans Blot Protein
Oral and Nasopharyngeal Airways
Otoscope
Quad Cane
Reagent Test Strips
Rocking Platform
Simulated Blood Typing Kit

Simulation Charting & Information Management System
Stains for Blood and Bacteria
Stethoscopes-Specialized
Test Tubes
Various Surgical Instruments
Video Camera
Vital Signs Monitor with BP, Temp, O2 Sat, and Mobile Stand
Washing Machine

**Category Totals:**

Classroom Equipment	\$2,300
Program Equipment	\$16,477
Instructional Supplies	\$2,106
<b>Estimated Program Total</b>	<b>\$20,883</b>
Course Specific Equipment	
Biotechnology I and II	\$28,107
Sports Medicine I and II	\$2,269