

FIRE SCIENCE

This recommended list is based upon a classroom size of 25 students. All costs are estimated and should be adjusted and verified with current quotes. No specific equipment vendor or brand names are endorsed due to various possibilities, 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 Fire Science program.

CLASSROOM EQUIPMENT

TOTAL: \$16,280

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Workstations w/chairs	\$400	\$10,000
1	Teacher Workstation w/chair	\$400	\$400
1	Teacher Computer	\$900	\$900
1	Presentation Equipment (e.g., interactive whiteboard (IWB), or other interactive display system with software and accessories)	\$3,000	\$3,000
1	Networkable Laser Printer (black/white or color)	\$400	\$400
1	Vertical File Cabinet (lockable)	\$330	\$330
2	Storage Cabinets (36" x 12" x 72") (lockable)	\$300	\$600
2	Bookcases (36" x 12" x 42")	\$115	\$230
2	White Boards (4' x 8')	\$110	\$220
1	Fire Extinguisher	\$100	\$100
1	Sink with Soap Dispenser	\$100	\$100

PROGRAM EQUIPMENT

TOTAL: \$126,500

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers	\$1,000	\$25,000
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
10	Self-Contained Breathing Apparatus (SCBA) Sets (harness, facemask, air cylinder w/regulator)	\$3,500	\$35,000
25	Turnout Sets (including helmet and boots)	\$2,500	\$62,500
1	Positive Ventilation Fan	\$1,500	\$1,500
1	Ground Stream Appliance	\$500	\$500

INSTRUCTIONAL MATERIALS

TOTAL:

\$3,985

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (Approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500
1	Basic Life Support Cardiopulmonary Resuscitation (CPR) Instructor Kit	\$110	\$110
25	Basic Life Support Student Manuals	\$15	\$375
Varies	Instructional Resources (Emergency Response Guidebook, Incident Response Pocket Guide, etc.)	\$500	\$500

INSTRUCTIONAL SUPPLIES

TOTAL:

\$28,585

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Chainsaw	\$600	\$600
1	Combination Ladder	\$350	\$350
5	Automated External Defibrillator (AED) Trainers	\$300	\$1,500
1	24' Extension Ladder	\$300	\$300
1	Roof Ladder	\$250	\$250
1	Hose Clamp	\$225	\$225
25	Wildland Gear Sets	\$200	\$5,000
5	Training Fire Shelters	\$180	\$900
9	Adult CPR Manikins with Feedback Devices	\$150	\$1,350
1	Fire Extinguisher Water Can	\$150	\$150
25	Wildland Packs	\$100	\$2,500
9	Infant CPR Manikins	\$90	\$810
25	Flashlights	\$75	\$1,875
1	Air Compressor	\$50	\$50
1	Biohazard Waste Can	\$50	\$50
1	Biohazard Sharps Container	\$25	\$25
5	Adult Bag Value Masks (BVMs)	\$25	\$125
5	Infant BVMs	\$25	\$125
Varies	Gloves (wildland and structure)	\$2,500	\$2,500
Varies	Medical Supplies (splints, bandages, airways, etc.)	\$2,000	\$2,000

INSTRUCTIONAL SUPPLIES (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
Varies	Prying/Forced-Entry Tools (pike poles, flat-head axe, gas tool)	\$1,500	\$1,500
Varies	Nozzles and Appliances	\$1,000	\$1,000
Varies	Personal Protective Equipment (PPE) (disposable gloves, barriers, safety glasses, etc.)	\$1,000	\$1,000
Varies	Radios	\$800	\$800
Varies	Hazardous Materials Awareness Supplies (placards, binoculars, tapes, etc.)	\$750	\$750
Varies	Fire Prevention Training Supplies (sprinkler sets, detectors, and alarms)	\$750	\$750
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500
Varies	Hoses	\$500	\$500
Varies	Sanitary Supplies (hand sanitizer, disinfectant soap, sanitary wipes)	\$500	\$500
Varies	Hydrant Tools and Supplies	\$300	\$300
Varies	Ropes and Webbing	\$150	\$150
Varies	Salvage Covers/ Tarps	\$150	\$150

OTHER

TOTAL:

\$200

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Basic Life Support CPR Instructor Training	\$200	\$200

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	\$16,280
PROGRAM EQUIPMENT	\$126,500
INSTRUCTIONAL MATERIALS	\$3,985
INSTRUCTIONAL SUPPLIES	\$28,585
OTHER	\$200
ESTIMATED PROGRAM TOTAL	\$175,550