

FOOD SCIENCE TECHNOLOGY

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, and 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 Food Science Technology program.

CLASSROOM EQUIPMENT**TOTAL: \$16,380**

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	Eyewash Station	\$300	\$300

PROGRAM EQUIPMENT**TOTAL: \$50,200**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers	\$1,000	\$25,000
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
1	Cooler/Refrigerator	\$10,000	\$10,000
1	Freezer	\$6,000	\$6,000
1	Commercial Smoker	\$5,000	\$5,000
1	Three-compartment Sink	\$700	\$700
1	Cutting Table	\$500	\$500
1	Industrial Mixer/Grinder	\$500	\$500
1	Stainless Table	\$500	\$500

INSTRUCTIONAL MATERIALS

TOTAL:

\$3,250

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (Approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500
1	Curriculum Software Package	\$250	\$250

INSTRUCTIONAL SUPPLIES

TOTAL:

\$19,700

QTY	ITEM DESCRIPTION	UNIT	TOTAL
5	Microscopes	\$400	\$2,000
1	Dehydrator	\$400	\$400
1	Slicer	\$300	\$300
1	Sausage Stuffer and Supplies	\$300	\$300
1	Cell Division Model	\$100	\$100
1	Soil Testing Kit	\$100	\$100
Varies	Sanitary Supplies (mats, hose, nozzles, brushes, etc.)	\$3,000	\$3,000
Varies	Packaging Supplies (paper, labels, shrink wrap, preservative, etc.)	\$2,000	\$2,000
Varies	Personal Protective Equipment (PPE) (gloves, goggles, etc.)	\$2,000	\$2,000
Varies	Scales	\$2,000	\$2,000
Varies	Animal System Models	\$1,500	\$1,500
Varies	Botany Resources for Identification	\$1,000	\$1,000
Varies	Stainless Steel Storage Racks	\$1,000	\$1,000
Varies	Processing Tools (knives, cleavers, etc.)	\$1,000	\$1,000
Varies	Animal Industry and Breed Resources	\$500	\$500
Varies	Floral Supplies (flowers, mechanical tools, design products, etc.)	\$500	\$500
Varies	Grading Resources for Meats, Vegetables, and Grains	\$500	\$500
Varies	Plant Propagation Supplies (soil, pots, tools, seeds, etc.)	\$500	\$500
Varies	Quality Assurance Test and Control Kits for Food Products	\$500	\$500
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500

OTHER

TOTAL:

\$450

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Occupational Safety and Health Administration (OSHA) Instructor Training	\$300	\$300
1	Instructor ServSafe® Certification	\$150	\$150

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	\$16,380
PROGRAM EQUIPMENT	\$50,200
INSTRUCTIONAL MATERIALS	\$3,250
INSTRUCTIONAL SUPPLIES	\$19,700
OTHER	\$450
ESTIMATED PROGRAM TOTAL	\$89,980