

BIOMEDICAL

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 Biomedical program.

CLASSROOM EQUIPMENT**TOTAL: \$16,680**

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 (4-drawer, lockable)	\$330	\$330
2	Storage Cabinets (36" x 12" x 72") (lockable)	\$300	\$600
2	Bookcase (36" x 12" x 42")	\$115	\$230
2	White Boards (4' x 8')	\$110	\$220
1	Sink with Eyewash Station	\$500	\$500
1	Fire Extinguisher	\$100	\$100

PROGRAM EQUIPMENT**TOTAL: \$34,050**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers	\$1,000	\$25,000
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
1	Chemical Fume Hood	\$2,000	\$2,000
1	Autoclave	\$1,000	\$1,000
1	Thermal Cycler	\$1,000	\$1,000
1	Acid Cabinet	\$800	\$800
1	Micro Centrifuge	\$600	\$600
1	Incubator	\$550	\$550
1	Water Bath	\$500	\$500
Varies	Organ Models	\$600	\$600

NEVADA CTE RECOMMENDED EQUIPMENT LIST

2020

INSTRUCTIONAL MATERIALS

TOTAL: \$3,000

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

INSTRUCTIONAL SUPPLIES

TOTAL: \$13,825

QTY	ITEM DESCRIPTION	UNIT	TOTAL
10	Microscopes	\$250	\$2,500
10	Digital Scales	\$250	\$2,500
5	Electrophoresis Kits	\$250	\$1,250
1	Refrigerator	\$200	\$200
1	White Light Illuminator	\$150	\$150
25	Dissecting Kits and Trays	\$50	\$1,250
5	Hot Plates	\$50	\$250
1	Biohazard Waste Can	\$50	\$50
1	Biohazard Sharps Container	\$25	\$25
10	Mortar and Pestle Sets	\$25	\$250
25	Thermometers	\$20	\$500
Varies	Diagnostic Tools (tuning forks, blood pressure kits, pulse oximeters, etc.)	\$1,000	\$1,000
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500
Varies	Preserved Dissection Specimens	\$500	\$500
Varies	Pipettes	\$500	\$500
Varies	Labels, Laboratory Glassware, Delicate Task Wipes, Instruments	\$500	\$500
Varies	Personal Protective Equipment (PPE) (gloves, safety glasses, gowns, aprons, etc.)	\$500	\$500
Varies	Glassware	\$400	\$400
Varies	Micro Centrifuge Supplies, Petri Dishes, Bottles, Racks	\$250	\$250
Varies	Specialty Reagents	\$250	\$250
Varies	Gel Loading Dye, pH Paper	\$200	\$200
Varies	Prepared Slides	\$200	\$200
Varies	Inoculating Loops	\$100	\$100

OTHER

TOTAL:

\$300

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Occupational Safety and Health Administration (OSHA) Training	\$300	\$300

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	\$16,680
PROGRAM EQUIPMENT	\$34,050
INSTRUCTIONAL MATERIALS	\$3,000
INSTRUCTIONAL SUPPLIES	\$13,825
OTHER	\$300
ESTIMATED PROGRAM TOTAL	\$67,855