

ORNAMENTAL HORTICULTURE/GREENHOUSE MANAGEMENT

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 an Ornamental Horticulture/Greenhouse Management program.

CLASSROOM EQUIPMENT**TOTAL: \$16,710**

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
1	Fire Extinguisher	\$130	\$130
1	Sink with Soap Dispenser	\$100	\$100
1	First Aid Kit	\$100	\$100

PROGRAM EQUIPMENT**TOTAL: \$189,000**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers	\$1,000	\$25,000
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
1	Greenhouse Kit (shade cloth, heater, cooler, and water system) (optional)	\$150,000	\$150,000
1	Aquaponic System and Supplies	\$4,500	\$4,500
1	Classroom Grow Lab Kit (trays, light and medium)	\$2,000	\$2,000
5	Tablets (enhanced memory/speed, download capable)	\$500	\$2,500
Varies	Plant Models (stem, leaf, flower, root, etc.)	\$3,000	\$3,000

NEVADA CTE RECOMMENDED EQUIPMENT LIST

2020

INSTRUCTIONAL MATERIALS

TOTAL:

\$9,000

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (Approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500
1	Office Productivity Software Suite	\$2,500	\$2,500
1	Curriculum Software Package	\$1,500	\$1,500
Varies	Resources (manual, plant identification guides, etc.)	\$2,000	\$2,000

INSTRUCTIONAL SUPPLIES

TOTAL:

\$27,300

QTY	ITEM DESCRIPTION	UNIT	TOTAL
2	Unmanned Aerial Vehicles (UAV)/Drones (for video capture)	\$400	\$800
10	Standard Monocular Microscopes	\$250	\$2,500
5	Growing Tables	\$250	\$1,250
5	Water Cycle Kits	\$150	\$750
5	Tablets	\$100	\$500
1	Soil Moisture and Light Meter Instrument	\$50	\$50
Varies	Plant Products (seeds, plugs, plants, etc.)	\$3,000	\$3,000
Varies	Planting Containers (labels, pots, drips, etc.)	\$2,000	\$2,000
Varies	Power Tools (saw, drill, etc.)	\$2,000	\$2,000
Varies	Botanical Identification Collections	\$2,000	\$2,000
Varies	Growing Medium Materials (soil, pebbles, cubes, etc.)	\$1,500	\$1,500
Varies	Quality Testing Kits (water, light, temperature)	\$1,500	\$1,500
Varies	Plant Models (root, stem, flower, etc.)	\$1,000	\$1,000
Varies	Fertilizer Samples (including labels and applicators)	\$1,000	\$1,000
Varies	Hand Tools (shovel, trowel, clippers, etc.)	\$1,000	\$1,000
Varies	Personal Protective Equipment (PPE) (aprons, masks, gloves, glasses/goggles, etc.)	\$1,000	\$1,000
Varies	Landscape Materials (hardscape samples, tools, plans, etc.)	\$1,000	\$1,000
Varies	Lab Equipment (pipettes, test tubes, etc.)	\$1,000	\$1,000
Varies	Cellular Biology Supplies (prepared slides, droplets, covers, slides, etc.)	\$500	\$500
Varies	Plant Propagation Supplies	\$500	\$500
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500
Varies	Soil Testing Materials (kits, sample containers, soil samples, etc.)	\$500	\$500
Varies	Floral Supplies (tools, containers, flowers, etc.)	\$500	\$500
Varies	Plant Pest Samples (insects, etc.)	\$500	\$500

INSTRUCTIONAL SUPPLIES (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
Varies	Feed Samples	\$250	\$250
Varies	Plant Labels (various types and sizes)	\$100	\$100
Varies	Office Supplies (paper, files, etc.)	\$100	\$100

OTHER**TOTAL:****\$400**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	Occupational Safety and Health Administration (OSHA) Instructor Training	\$300	\$300
1	Worker Protection Standard Certification	\$100	\$100

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	\$16,710
PROGRAM EQUIPMENT	\$189,000
INSTRUCTIONAL MATERIALS	\$9,000
INSTRUCTIONAL SUPPLIES	\$27,300
OTHER	\$400
ESTIMATED PROGRAM TOTAL	\$242,410