

CYBERSECURITY

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 that 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 Cybersecurity program.

CLASSROOM EQUIPMENT

TOTAL: \$17,680

| QTY | ITEM DESCRIPTION | UNIT | TOTAL |
|-----|--|---------|----------|
| 25 | Student Workstations w/chairs | \$400 | \$10,000 |
| 1 | Teacher Workstation w/chair | \$400 | \$400 |
| 1 | Teacher Computer (enhanced graphics/memory/speed, download capable) | \$2,500 | \$2,500 |
| 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 | \$330 |
| 2 | White Boards (4' x 8') | \$110 | \$220 |

PROGRAM EQUIPMENT

TOTAL: \$103,900

| QTY | ITEM DESCRIPTION | UNIT | TOTAL |
|-----|--|---------|----------|
| 25 | Student Computers (enhanced graphics/memory/speed, download capable) | \$2,500 | \$62,500 |
| 2 | Tablets (enhanced memory/speed) | \$500 | \$1,000 |
| 1 | Technology Storage/Charging System (optional) | \$2,000 | \$2,000 |
| 15 | Integrated Service Routers | \$1,820 | \$27,300 |
| 6 | Rackmount Patch Panels w/ 12 ports | \$600 | \$3,600 |
| 15 | PC Assembly Kits | \$500 | \$7,500 |

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 |

NEVADA CTE RECOMMENDED EQUIPMENT LIST

2020

INSTRUCTIONAL SUPPLIES

TOTAL:

\$13,730

| QTY | ITEM DESCRIPTION | UNIT | TOTAL |
|--------|---|-------|---------|
| 5 | Open Frame Networking Racks, (hold 6 devices) | \$400 | \$2,000 |
| 1 | Cat6 Bulk Cable (unshielded twisted pair (UTP), 1000 ft roll) | \$400 | \$400 |
| 15 | 8-10 Port Switches (rack mountable) | \$150 | \$2,250 |
| 1 | Cat5e Bulk Cable (unshielded twisted pair (UTP), 1000 ft roll) | \$130 | \$130 |
| 15 | Anti-static Screen Wipes | \$120 | \$1,800 |
| 15 | Network Antivirus Software | \$100 | \$1,500 |
| 1 | Wireless Access Point/Network Device | \$100 | \$100 |
| 5 | Digital Multimeters | \$85 | \$425 |
| 15 | Network Technician Toolkits (to include 3-in-1 crimping tool, UTP/STP wire stripper and cutter, punchdown tool, LAN cable tester, tone and probe) | \$80 | \$1,200 |
| 15 | VGA Cables (various lengths/endings) | \$75 | \$1,125 |
| 5 | Electric Blower/ Dusters | \$75 | \$375 |
| 15 | PC Technician Toolkits | \$50 | \$750 |
| 15 | Mounting Brackets | \$20 | \$300 |
| 25 | Anti-Static Wristbands | \$15 | \$375 |
| 25 | Anti-Static Work Mats | \$15 | \$375 |
| 25 | Safety Goggles | \$3 | \$75 |
| Varies | Computer Accessories (cases, covers, etc.) (optional) | \$500 | \$500 |
| Varies | Assorted RJ45 Accessories (connectors, inline couplers, punchdown keystone jacks) | \$50 | \$50 |

OTHER

TOTAL:

\$0

| QTY | ITEM DESCRIPTION | UNIT | TOTAL |
|-----|------------------|------|-------|
| N/A | No Other | \$0 | \$0 |

CATEGORY TOTALS:

| | |
|--------------------------------|------------------|
| CLASSROOM EQUIPMENT | \$17,680 |
| PROGRAM EQUIPMENT | \$103,900 |
| INSTRUCTIONAL MATERIALS | \$3,000 |
| INSTRUCTIONAL SUPPLIES | \$13,730 |
| OTHER | \$0 |
| ESTIMATED PROGRAM TOTAL | \$138,310 |