IT – NETWORKING

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 an Information Technology Networking 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

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**