

ARCHITECTURAL DESIGN

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 Architectural Design program.

CLASSROOM EQUIPMENT**TOTAL: \$17,780**

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/storage, 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	\$230
2	White Boards (4' x 8')	\$110	\$220
1	First Aid Kit	\$100	\$100

PROGRAM EQUIPMENT**TOTAL: \$68,700**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Computers (enhanced graphics/memory/speed, download capable)	\$2,500	\$62,500
1	Technology Storage/Charging System (optional)	\$2,000	\$2,000
2	Networkable Large Format Color Plotters	\$1,200	\$2,400
2	Large scale drawing file cabinet (30" x 42")	\$900	\$1,800

INSTRUCTIONAL MATERIALS**TOTAL: \$6,500**

QTY	ITEM DESCRIPTION	UNIT	TOTAL
25	Student Textbooks (Approved by NDE)	\$100	\$2,500
1	Teacher Textbook Edition and Resources	\$500	\$500
Varies	Architectural Graphic Standards, Mechanical Graphic Standards, Material and Style References, and Other Resources and Guides	\$2,500	\$2,500
Varies	Resources (design/drafting software, manuals, posters, etc.)	\$1,000	\$1,000

INSTRUCTIONAL SUPPLIES

TOTAL:

\$9,300

QTY	ITEM DESCRIPTION	UNIT	TOTAL
Varies	Sketching Tools (drawing boards, triangles, drafting mechanical pencils, brushes, T-squares, architectural and metric scales, etc.)	\$2,500	\$2,500
Varies	Model Supplies (balsa wood, clay, pins, paint, and other modeling materials)	\$2,500	\$2,500
Varies	Printing/Drafting Supplies (various types of paper, printer ink, sketching pencils and paints, lead, erasers, etc.)	\$2,000	\$2,000
Varies	Model Tools (cutting tools, utility knives, pin setters, etc.)	\$1,500	\$1,500
Varies	Computer Accessories (cases, covers, etc.) (optional)	\$500	\$500
Varies	Personal Protective Equipment (PPE) (gloves, glasses/goggles, etc.)	\$300	\$300

OTHER

TOTAL:

\$300

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

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	\$17,780
PROGRAM EQUIPMENT	\$68,700
INSTRUCTIONAL MATERIALS	\$6,500
INSTRUCTIONAL SUPPLIES	\$9,300
OTHER	\$300
ESTIMATED PROGRAM TOTAL	\$102,580