DRAFTING AND 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 a Drafting and 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:　　$80,300

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	$4,000	$8,000
2	Large-scale Drawing File Cabinets (30" x 42")	$900	$1,800
Varies	3D Printer and Supplies	$6,000	$6,000

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

INSTRUCTIONAL MATERIALS (CONT.)

QTY	ITEM DESCRIPTION	UNIT	TOTAL
1	3D Modeling Computer-aided Design (CAD) Software with Site License	$5,000	$5,000
Varies	Architectural Graphic Standards, Mechanical Graphic Standards (material books and other resources and/or guides)	$1,000	$1,000

INSTRUCTIONAL SUPPLIES   TOTAL: $6,050

QTY	ITEM DESCRIPTION	UNIT	TOTAL
Varies	Sketching Tools (drawing boards, triangles, drafting mechanical pencils, brushes, scales [architectural, metric, and engineering], T-squares, etc.)	$2,500	$2,500
Varies	Model Supplies (balsa wood, clay, pins, paint, and other modeling materials)	$1,000	$1,000
Varies	Supplies (various types of paper, sketching pencils and paints, lead, erasers, etc.)	$1,000	$1,000
Varies	Model Tools (various cutting tools, utility knives, pin setters, etc.)	$750	$750
Varies	Computer Accessories (cases, covers, etc.) (optional)	$500	$500
Varies	Personal Protective Equipment (PPE) (gloves, glasses/goggles, etc.)	$300	$300

OTHER   TOTAL: $0

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

CATEGORY TOTALS:

CLASSROOM EQUIPMENT	$17,780
PROGRAM EQUIPMENT	$80,300
INSTRUCTIONAL MATERIALS	$9,000
INSTRUCTIONAL SUPPLIES	$6,050
OTHER	$0
ESTIMATED PROGRAM TOTAL	**$113,130**