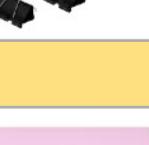
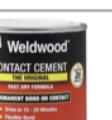
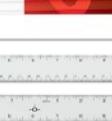
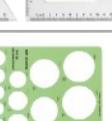


List and links for reference only. Not all links are to Amazon, Home Depot, or Blick. Shop around for versions and prices. I have not yet personally tested all these tools and materials. Please consult with the instructor if you are not sure what to purchase. **Tools marked with an asterisk are essential.** Others are recommended.

Version 3 – 01/25/2026

DES 360 Model Development Laboratory — Trogu SPRING 2026							
	Item name	Item pic	*	Amazon	Home Depot	Blick	Notes
PPE							
1	Shop coat		*	\$36.99 (new)	\$8.49 (used)		
2	N95 dust mask or respirator.		*				
3	Modular respirator with particulate and organic vapor cartridges , recommended to always use when working with foams, sanding materials, adhesives, and paints.		*				
4	Safety glasses		*				
5	Ear plugs or better, earmuffs for ear protection in shop.		*				
6	Nitrile gloves		*				
Tools							
7	Stanley utility knife.						
8	OLFA 180 Multi-Purpose Knife 9mm — DO NOT use X-acto knife type		*	\$6.01	\$3.99	\$4.45	
9	Alvin 8.5x12 Self-healing cutting mat		*	\$9.66			
10	12-Sheet 60 Grit Wet Dry Sandpaper, 9 x 11 Inch Sand Paper						
	100 Grit Sandpaper, 9 x 11 Inch Wet Dry Sand Paper						
	3M 26180CP-P-G 180 Grit Pro Grade No-Slip Grip Advanced Sandpaper (20 Pack), 9 x 11", Purple			\$12.89			
	3M Sandpaper, 220 Grit, 5 Sheets, 9 in x 11 in, Sands Paint, Wood & Metal , Great For General Purpose Sanding, Very Fine Aluminum Oxide Sand Paper (9000NA-20)		*	\$6.41			
	Waterproof Silicone Carbide Sandpaper, 320-Grit, 9 x 11-in., 5-Pk.			\$8.05			
	3M Wet or dry Sandpaper, 9 in. x 11 inch, 600 Grit, Ultra Fine, 5 Sheets/Pack \$6.82 (\$1.36 / count)			\$6.82			
	3-2/3 in. x 9 in. Imperial Wetordry 800-Grit Sandpaper Sheets (10-Pack) \$13.71 (\$1.37 / count)			\$13.71			
11	Foam brushes		*				
12	Spatula or putty knife.		*				
13	Sanding block						
14	Miscellaneous clamping and holding devices: paper clips, clamps, straight pins. Binder Clips Paper Clamps Assorted Sizes 100 Count (Black)						
Materials							
15	XPS (extruded polystyrene) Home Depot FOAMULAR NGX 1 in. x 2 ft. x 2 ft. R-5 Project Panel XPS Rigid Foam Board Insulation (0.33 cubic feet — \$29.91/cubic foot)			\$9.97	Small board 24x24x1		
	XPS (extruded polystyrene) Home Depot FOAMULAR NGX F-250 2 in. x 4 ft. x 8 ft. SSE R-10 XPS Rigid Foam Board Insulation (5.3 cubic feet — \$11.25/cubic foot)		*	\$59.97	Large board 48x96x2		

16	White card stock, thin cardboard, chipboard, butter board, or museum board – between 20 and 40 point –(0.020" – 0.040" thick). — Strathmore Museum Mounting Board - 32" x 40" x 2-ply (0.030" 30-point), Gray					\$18.61	
17	Polyurethane modeling board (PU) available in lab.						
Adhesives, tape, & paint							
18	Titebond 5003 II Premium Wood Glue, 8-Ounces for XPS		*				
19	3M Scotch 2090 Blue Painters Tape: 1 in. x 60 yds. (Blue)		*	\$3.31	\$2.95		
20	Dap 12330 DryDex Interior/Exterior Spackling, White 1 qt (946 mL)		*	\$8.98			
	Dap 12328 DryDex Spackling Interior/Exterior, 1/2-Pint			\$5.20			
21	Water-based sandable primer (white, not aerosol) such as Zinsser Bullseye 123 (1 qt). Zinsser 286258 Bulls Eye 1-2-3 All Surface Primer, Quart, Gray		*	\$13.18	\$15.48	Primer for XPS.	
22	Krylon Fusion All-In-One Adhesive Spray Paint Aerosol spray paint for project 3.		*				
23	Tilswall Hot Glue Gun Kit with 30 Premium Glue Sticks (optional).						
24	Gorilla Glue (Original Polyurethane) , only when using high density foams, and/or:		*				
25	Five-minute 2-part epoxy. The type with two separate tubes (J-B Weld) is easier to dispense than the type with a single syringe. — J-B Weld 8271 KwikWeld Professional Size Steel Reinforced Epoxy Twin Pack - 10 oz.		*	\$19.98			
26	Bondo type 907 body filler, single tube.		*				
27	DAP 271 Weldwood Original Contact Cement, Tan 16oz (473 mL)		*	\$16.95			
	DAP Weldwood Contact Cement Original 3oz (88.7 mL) \$2.99 / fl oz			\$8.98			
28	Purdy 144080115 Clearcut Series Dale Angular Trim Paint Brush, 1-1/2 inch						
Drafting tools							
29	Strathmore 9x12 inch 300 Series Bristol Pad Smooth Surface — For technical drawing.				\$6.40	\$11.60	
30	Strathmore Tracing Paper Pad 9x12" 25 lb (41g/m2)			\$7.11	\$6.71		
31	Canson Sketching Pad Fine Grain 9x12" 50lb (74g/m2) — For freehand sketching. Will have some in class the first few weeks.				\$8.85		
32	Staedtler Mars Technico 780 2mm M— Mechanical Lead Holder for technical precision drawing — use with 2H lead (graphite).				\$8.66	\$9.57	
33	Dahle 301 Precision Sharpener for 2mm Leads.				\$14.94	\$11.70	
34	Lumograph Pencil B for sketching.					\$1.82	\$2.25
35	Staedtler Pencil Set 12 Hard/Soft Degrees from 4H to 6B				\$13.69		
36	Staedtler Double Hole Pencil Sharpener — For regular pencils, including B above.				\$6.36	\$5.73	\$5.30
37	Staedtler Mars Plastic Eraser.						\$1.60
38	Fine-point felt-tip pens.						
39	Sharpie brand felt-tip marker for labeling.		*				
40	Alumicolor Aluminum Straight Edge 12-Inch Silver		*		\$9.20	\$7.75	
41	Coopay Triangle Set 30/60° (9") & 45/45° (6") -- Triangle Hollow				\$11.99		
42	Circle template(s). 0.0625–1/16" to 2.00–2".						

43	Isometric ellipse template(s). 0.0625–1/16" to 2.00–2".						
Other recommended tools & materials							
44	Set of small files and rasps.						
45	Kern Jointed Bow Drafting Compass — For drawing circles and geometric constructions.			\$23.14	\$22.69		
46	Aleene's Original Quick Dry Tacky Glue 4 oz. — For final cube construction.			\$5.94	\$2.75	\$3.69	
47	Small hacksaw coping saw or jeweler's saw .						
48	Mitutoyo 4-Way Digital Caliper. 6in Inch/Metric, +/- 0.0010 Accuracy			\$169.85	Grainger		
49	Dremel set or similar multi-tool.						
50	Airbrush and compressor – Harbor freight						
51	Top quality pencil sharpener (Blackwing) B			\$18.00			
52	Palomino Blackwing 602 pencils for sketching – set of 12 B			\$34.00			
53	3D printer						
54	Cricut rotary cutter						
55	Bone folder (for paper and bookbinding projects)			\$6.25	Talas		
56	Color pencils 1: Prismacolor Verithin color pencils (harder, hexagonal cross-section) set of 24			\$19.13			
57	Color pencils 2: Prismacolor Premier color pencils (softer, round cross-section) set of 12 B			\$14.59			
58	Architect's scale.			\$7.35			
59	Drafting board with parallel edge (or without to use with T-square).			Various			
60	2 Staedtler Mars Lead 2mm 2H (12count)			\$8.00			
61	Alumicolor 24-inch Wood/Acrylic T-Square			\$28.95			
62	Stainless Steel Erasing Shield			\$6.59			