

Vacuum Press Build – Complete Student Packet			
Parts List			
Item	Description	Price	Link
Hose Clamps	TICONN 40PCS 1/4"-1-1/8" SS worm-gear	\$14.99	https://a.co/d/8g7MqY3
90° Brass Elbows	3/8" NPT Male→Female (2-pack)	\$9.98	https://a.co/d/a8ZZWFL
PTFE Teflon Sheets	3-pack, 16×20"	\$6.70	https://a.co/d/4E5JLew
Foot Pedal	WEN WA0392 120V 15A	\$11.95	https://a.co/d/4MmaRIX
Vacuum Hose	DAVCO 3/8" × 10' reinforced PVC	\$14.99	https://a.co/d/52rijvB
Vacuum Pump	VIVOHOME 1.5 HP 14.4 CFM	\$249.99	https://a.co/d/avP9KLs
Barb Fittings	SUNGATOR 3/8" NPT → 3/8" barb (2)	\$5.89	https://a.co/d/8viEFRy
Barb Adapters	Joywayus 3/8" barb → 3/8" NPT F (2)	\$11.99	https://a.co/d/46sOZXx
HDPE Plate	TAP Plastics cutting board 12×12×1"	\$62.05	https://www.tapplastics.com/product/plastics/cut_to_size_plastic/cutting_boards/346
Neoprene Gasket Tape	Closed-cell weatherstrip, 3/8" × 3/16", adhesive-backed	\$9.99	https://a.co/d/4qURsjG
Optional Items			
Heat Press (T-shirt style)	Topdeep 15×15" 8-in-1 Swing Away Combo	\$189.90	https://a.co/d/dPCHigU
Drill Bit 9/16"	Drill America KFDRSD9/16, reduced shank	\$9.21	https://a.co/d/4iETKvT
Drill Bit 19/32"	HSS reduced shank	\$8.73	https://a.co/d/iPJNJOt
NPT Tap Set	5-piece (1/8"-3/4")	\$19.99	https://a.co/d/fEuAnq9

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Cut List					
Part ID	Qty	Dimensions (in)	Material	Notes	
A1 – Top Panel	1	20 × 20	3/4" Baltic Birch Plywood	Cut 16.125" × 16.125" opening. Rabbet underside 1/4" deep × 3/4" wide.	
B1 – Front/Back Walls	2	20 × 4.25	3/4" Baltic Birch Plywood	Run grain horizontal.	
B2 – Side Walls	2	18.5 × 4.25	3/4" Baltic Birch Plywood	Fit between front/back.	
C1 – Bottom Panel	1	18.5 × 18.5	3/4" Baltic Birch Plywood	Sits flush inside walls.	
D1 – Internal Braces	2	18.5 × 3.5	3/4" Baltic Birch Plywood	Install on edge as bulkheads. Leave 1" inboard from opening edges.	
wood screws: Size: #8 × 1-5/8" or #8 × 1-3/4"	Box			Frame corners, attaching bottom panel, securing braces.	
Wood Glue	Bottle				

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