

Air Powered Rocket Launcher v5 Parts List

Lowes

- Frame
 - 1-1/2-IN X 10-FT SCH40 PIPE pressure PVC
 - [Lowes 23830](#)
 - 4x 1-1/2-in 90 Degree Schedule 40 PVC Elbow
 - [Lowes 23909](#)
 - 2x 1-1/2-IN X 1-IN SXT TEE
 - [Lowes 317755](#)
 - 1-IN X 2-IN SCH80 NIPPLE (2 inches long)
 - [Lowes 57071](#)
 - 1-IN CLOSE SCH80 NIPPLE (1.5 inches long)
 - [Lowes 56860](#)
 - 1-IN SCH40 CAP threaded
 - [Lowes 23887](#)
- Launch Valve
 - 1in Rainbird sprinkler valve (Orbit can be used, but I've had a lot of luck with Rainbird)
 - [Lowes 23026](#)
- Launch Tube – Designed for a ½ inch launch tube, but tests have shown that a ¾ inch launch tube launches the rockets further.
 - 1-IN SCH40 ELBOW – threaded street elbow
 - [Lowes 126824](#)
 - 1-IN x 3/4-IN BUSHING threaded
 - [Lowes 51348](#)
 - 3/4-IN X 1/2-IN ADPT
 - [Lowes 22698](#)
 - 1/2-IN X 10-FT SCH40 PIPE
 - [Lowes 23966](#)
- Miscellaneous
 - OATEY 8-OZ HANDIPAK PVC primer and cement
 - [Lowes 150887](#)
 - PTFE TAPE 1/2-IN X 43-FT
 - [Lowes 456832](#)
 - Spray paint to protect PVC frame from the sun
 - [Lowes 3209531](#)
 - 220-grit sand paper to prepare the PVC for gluing
 - [Lowes 140381](#)

Amazon

- 3D printed pieces
 - [OVERTURE PLA Filament 1.75mm PLA 3D Printer Filament](#)
 - [OVERTURE TPU Filament 1.75mm Flexible TPU Roll](#)
- Launch Trigger Box
 - [9V Battery Clip Connector](#)
 - [RCA 100' 24-Gauge Speaker Wire](#)
 - [2-pin Wire Connectors](#)
 - 2x [Momentary Metal Push Button](#)
 - [Heat Shrink Tubing](#)
- Air Input
 - [Right Angle Valve Stem](#)
 - [Blow-off Brass ASME Safety Valve 60 PSI](#)
 - [Brass nut](#)
 - [Bike Pump](#) (or an air compressor)