

Rocketry Shopping List

eCamp Flight Lab

Materials

10 sheets of 8x11" paper
5 index cards
7-9" latex balloon
15 large straws
5 small straws (make sure these slide easily into the larger straws)
wooden spring-type clothespin
4 popsicle sticks (any size)
5 skewers
8 milk jug lids, film tops, or other small, plastic lids that are round for wheels
6" long piece of 3/4" foam pipe insulation
foam sheet from a craft store
4 Fuji film canisters or plastic M&M containers (check recycle bin at a photo developing store)
2 small paper clips
8 rubber bands
effervescent tablets (generic alka seltzer works great)
clean, empty shampoo or lotion bottle
small piece of squishy foam or packing peanut
wood skewer (should fit inside straws)
bike pump
needle valve
neoprene stopper that fits a 2L soda bottle
empty 2-liter soda bottles

Tools

duct tape
scissors
tape
hot glue gun

Optional Materials:

These rockets go a lot further, but also require adult help to create or are more expensive to build. Watch the video first before starting these projects!

razor blade
vice or vice grips
air compressor and/or air tank
spray-nozzle for compressor/tank
3 foot section of metal tubing that fits just inside the larger straws (listed above)
5 ball bearings , 1/2" diameter
4 neodymium (super-strong) magnets
paper towel tube
1 inch wide bike tube (at least 3 feet long)
12" long x 1/2" diameter PVC pipe