

# Rocketry Shopping List

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## 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