

# Air Cannon Activity Kit

## Supplementary Materials

### Annotated Materials List

Material	Our Suggestions
3 balloons	To make the air cannon from our directions, you need the top portion of the balloon. We used latex balloons that were ~8" (L) by 5.5" (W), like ones you commonly find at stores like Michaels, Target, Walmart, etc.. If you are going to make an air cannon out of something with a larger diameter than the cardboard tube you find at the center of a toilet-paper or paper towel roll, you might need a larger balloon.
3 cardboard tubes	The cardboard tubes that you find at the center of toilet paper rolls are a perfect size for this air cannon. If you are using the cardboard tube from a paper towel roll, you might want to cut it shorter (or test out how this impacts your air cannon). If you are interested in purchasing cardboard rolls for this activity, you can purchase them online through platforms like <a href="#">Amazon</a> .
3 paper cones	We found that the paper jacket that you'd find on an <a href="#">ice cream cone</a> works great. However, if you do not have this type of material handy, you can create a cone using a 3x5 index card like in our picture ehre (or similarly sized construction paper). You just want to make sure that the cone will fit snugly around your cardboard tube.
tape	Masking or scotch tape works best for this activity. You just want to make sure that it is wide enough to be able to securely fashion the balloon and cone to your cardboard tube.



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6 paper or plastic cups	The cups are used to test the air cannon and determine how much air is pushed out in a particular direction. Therefore a wide variety of cups can be used, as long as they are light (as you are moving them with puffs of air). We found that 3oz paper cups worked well.
Markers/ crayons	These are used to decorate your air cannon.

### Supplemental Activities

If you want to extend your learning, here are some additional activities to check out.

- [PBS Kids Design Squad Global](#) has directions to build a different type of air cannon.
- Learn more about vortexes with a short reading and video from [Science World](#) (they also have a design for an air cannon).
- Quick facts (and video) about a vortex cannon from [Easy Science for Kids](#).

Have fun and be safe!