



Air Cannon

(Remember always ask permission and clean up after you are done)

Materials Needed:

Empty toilet paper tube

Pompom

Balloon

Directions:



Cut the stem off of a balloon.



Slip the large portion of the balloon over the edge of one end of the toilet paper tube



Place the pompom in the tube



Point the tube opening away from you. In one hand hold the tube. In the other hand pull back the balloon (like stretching a rubber band) and the release it.



Your pompom should fly.



What techniques make your pompom fly best? Does the angle at which you hold the tube matter? How can you improve your air cannon?



What games can you make up with your new toy?

What makes the air cannon work? When you pull back the balloon air fills this space. When you release the balloon the air is forced out launching the pom pom. This demonstrates that air does take up space.