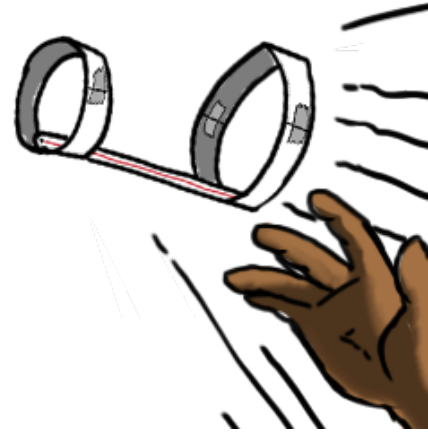


How to Make a Hoop Glider

Materials Needed:

- light card stock or paper
- scissors
- a straw (normal length)
- tape



Directions:

1. Cut two strips from your paper. One lengthwise and one widthwise.
2. Tape one end of your strip of paper to the other end, creating a circle.
Repeat with second piece of paper so that you have one small circle and one large circle.
3. Tape each paper circle to opposite ends of a straw.
4. Test how far your airplane can fly!

Lesson:

The two sizes of hoops help to keep the straw balanced as it flies. The big hoop creates “drag” (or air resistance) which helps keep the straw level while the smaller hoop at the front keeps your super hooper from turning off course. Since objects of different weight generally fall at the same speed, the hoop will keep its “upright” position.