

**Directions for Hoop Gliders:**

1. From one piece of paper, you will first cut a strip about the width of two fingers from the long (landscape) side of your paper.
2. Then cut a strip of paper about the width of two fingers from the short (portrait) side of your paper.
3. Tape your long strip of paper closed in the shape of a hoop.
4. Tape your short strip of paper closed in the shape of a hoop.
5. Tape your straw to the insides of the two hoops, one side of the straw on each hoop like this:

*You can even try it like this and see how it goes:

**Science Food for Thought:**

- How does the hoop glider fly without any wings?
- What does a craft need to be able to fly?
- What forces are acting on the glider to make it fly and fall? Hint: Gravity is one force!

Try making a traditional paper plane and flying both objects to see how they compare!
How to Fold a Traditional Paper Airplane!

1. Fold the paper in half vertically.
2. Fold the top corners to the center crease.
3. Unfold the previous step and fold the top corners to the new crease.
4. Fold the bottom corners to meet the top corners.
5. Fold the sides inward to create a triangle.
6. Fold the paper in half along the horizontal axis.
7. Fold the wings inward to create a more aerodynamic shape.
8. The finished paper airplane.