

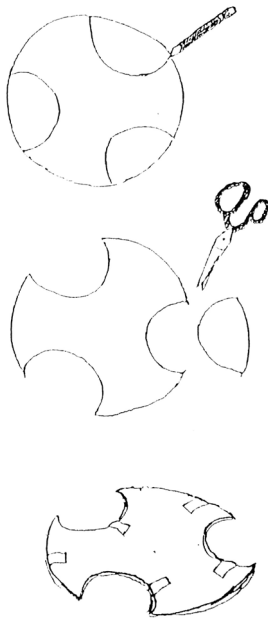


Everyday Engineering

Zoom-a-rang

What you need:

- Paper plates or cereal boxes
- Scissors
- Pencil
- Tape or stapler
- Crayons or markers (optional)



What you do:

1. Draw the Zoom-a-rang shape on a paper plate by making 3 horseshow shapes that touch the edge. If you are using a cereal box or something similar, first draw a circle about the size of a plate on the cardboard and then draw the horseshoe shapes.
2. Cut out your Zoom-a-rang shape. Then trace it on to another paper plate or cereal box. Cut out all Zoom-a-rang shapes.
3. Match up the pieces. Tape or staple them into one thick Zoom-a-rang.
4. If you like, decorate it with crayons or markers.
5. To fly, just fling it!

Things to try:

- What happens if you use more than 2 layers of paper plates or cardboard? Does the weight change how it flies?
- Does the size of the Zoom-a-rang make a difference? Does a 5 inch circle fly the same way as a 10 inch circle?

Find more at-home activities at <http://discoveryacton.org/discovery-home>.