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Toys from Trash
www.arvindguptatoys.com/toys.html

- Step-by-Step Photo Guide
- Detailed Worksheet

View One Minute Video at:
http://www.youtube.com/watch?v=_257pCgtD7A&feature=plcp
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**MATERIAL**
- Styrofoam Plate
- Plastic Bottle
- Glue
- Scissors
- Bend Straws
WITH SCISSORS MAKE TWO DIAMETRICALLY OPPOSITE HOLES

INSERT TWO BENT STRAWS
(ENDS SHOULDN'T BE IN OPPOSITE DIRECTIONS)
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STRAW ENDS IN OPPOSITE DIRECTIONS
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SEAL JOINTS WITH RUBBER GLUE TO PREVENT LEAKAGE
STICK BOTTLE IN CENTER OF BIG STYROFOAM PLATE
PLACE MODEL IN TUB OF WATER. BECAUSE OF THE PLATE IT WILL FLOAT

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CLOSE STRAW ENDS
FILL BOTTLE WITH WATER

ON OPENING STRAW ENDS
THE MODEL WILL SPIN!!
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1. Make two holes near the base of a plastic bottle or opposite ends of a Styrofoam plate.

2. Insert two bent straws.

3. Stick the bottle right in the middle of a Styrofoam plate, which will act like a boat.

4. Close both straw ends and fill the bottle with water.

5. Gently place the plate with the bottle in a tub of water.

6. On opening the straw ends, the model will start spinning!

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Third Law of Motion

This action-reaction toy is based on Newton's Third Law of Motion.