Arvind Gupta
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=RUD0YTAEF6Y
MATERIALS

- Tape
- Bottle Cap
- Straw
- Flexi-Wire Stand + Axle
- Refill (Bush Bearing)
- Cardsheet Turbine
- Bead (Stoppers)
ASSEMBLY OF BOTTLE + TURBINE

SQUEEZE AND RELEASE TO SPIN TURBINE
Move green bottle up-down in big bottle of water. Fan will spin! Turbine in spin.
CLOSE-UP VIEW OF SPIN

ORIGINAL MODEL

Designed by: Durga Jetty,
15 years
Vidyapeeth High School
Pune, India.
Step-by-Step Photo Guide

1. Fix a straw into the bottle cap.
2. Make an off-centre hole in the bottle cap.
3. Stick a needle in the hole.
4. Twirl the bottle.
5. Place two pins on the straw.
6. Pour the bottle on the table.
7. Affix two safety pins with tape on the straw.
8. Stick a needle in the straw.
9. Fan fold the card strip.
10. Cut needle magnets.

Materials:
- Plastic bottle
- Card sheet
- Paper strip
- Cello-tape
- Copper wire
- Insulated wire
- Two safety pins
- Two strong straws
- Magnets