Arvind Gupta  
**Toys from Trash**

www.arvindguptatoys.com/toys.html

- ✔ Step-by-Step Photo Guide
- ✔ Detailed Worksheet

See 1 minute video at:  
[http://www.youtube.com/watch?v=r6M9svLhlH8](http://www.youtube.com/watch?v=r6M9svLhlH8)
MAKE THE 8-BLADE SPINNER FROM THIS CARD DISC - 5-CMS IN DIAMETER

COLOR THE DISC TO MAKE IT PRETTY
LIFT WHITE TRIANGLES TO MAKE THE PROPELLER

MAKE A SMALL HOLE IN CENTER
TWIST ALL 8 BLADES
BACK VIEW OF PROPELLER

APPLY RUBBER GLUE ON A BOTTLE LID

STICK PROPELLER ON TOP OF LID
Stick propeller in center of lid

Make a small hole in the center of the lid

Propeller stuck to lid
Take a 15-cm long cycle spoke.

Thread the end of the spoke into the propeller and lid.
PRESS FIT A PLASTIC BEAD ON THE OTHER END
RING MAGNETS STICK TO CYCLE SPOKE

FIRMLY FIX A BEAD IN RING MAGNET

BEAD FIRMLY FIXED IN THE RING MAGNET
THREAD

RING MAGNETS
WITH BEAD

BENT CYCLE SPOKE

Screw cycle spoke threads in the plastic bead.
TWO PARTS
HANG PROPELLER AS SHOWN

THE PROPELLER SPOKE WILL STICK TO MAGNET
Propeller will spin and also go round and round off center around the magnet.

Place model under ceiling fan.
THE MOTION IS QUITE AKIN TO THE EARTH SPINNING ON ITS OWN AXIS AND ALSO GOING ROUND THE SUN
CLOSE-UP VIEW OF PROPELLER