



### Science Scoop

See the circle of tape that attaches the cups? When you spin the cups, this circle of tape also spins. If the cups spin fast enough, the images of the parts of the circle move so quickly that your eyes and brain can't see them separately. Your brain blends the images of the circle together, making you think you see a "magic" round ball.

### What You Need

- 2 clear plastic cups
- masking tape
- colored markers

- 1** **Tape** two cups together so that the open ends are touching.
- 2** **Color** the tape with a marker.
- 3** Place the taped cups on their sides, and **spin** them like you are spinning a top. **Look** at the cups from eye level and from above. What do you see?



Try It  
out!



Now it's time for you to **experiment**. What happens if you use more than one **color** or draw **patterns** (such as stripes) on the tape? What happens if you **spin** the cups more quickly or more slowly? Choose **one thing** to change (that's the variable), and make a **prediction**. Then **test it** and send your results to ZOOM.

Sent in by Erich N. of Oshkosh, WI



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