

Educational Innovations^{INC}[®]

FLIP-100

Flip N Flyer

Activity 1: The Flip N Flyer

DEMONSTRATED on DVD

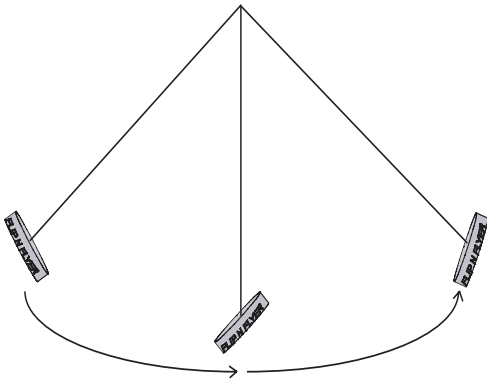
Objectives:

Use the Flip N Flyer to study and describe the remarkable characteristics of a spinning disc.

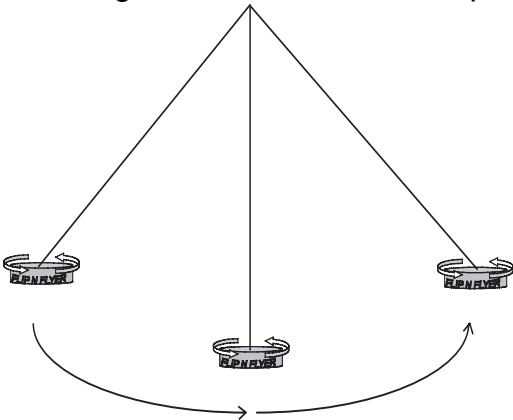
Materials from kit:

1 Flip N Flyer disc with cord

1. Suspend the Flip N Flyer disc by the cord and allow the disc to move in a back-and-forth swinging motion. Describe the motion of the disc as it swings back-and-forth.



2. Suspend the Flip N Flyer disc by the cord. Spin the disc first, then allow it to move in a back-and-forth swinging motion. Describe the motion of the disc as it swings back-and-forth while spinning.



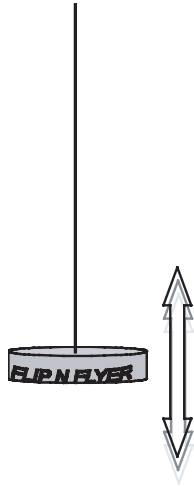


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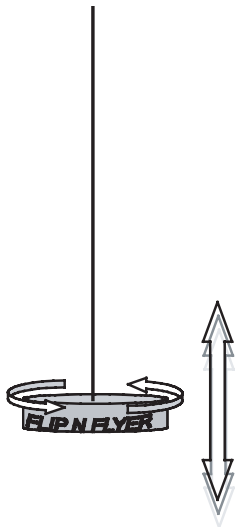
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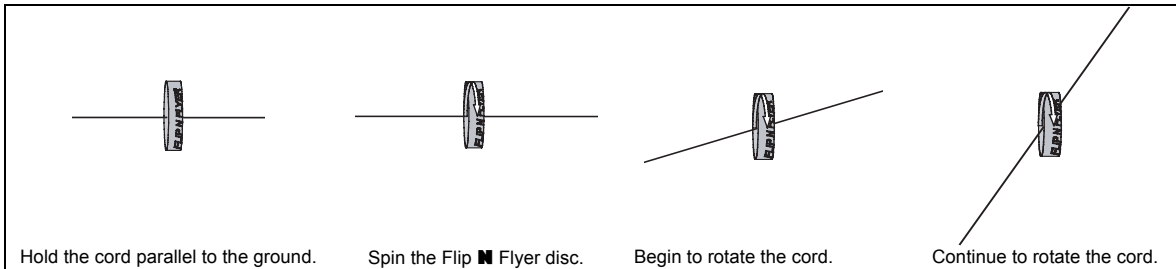
3. Suspend the disc by the cord and gently allow the disc to bounce in an up and down motion. Describe the motion of the disc as it moves up and down.



4. Suspend the disc by the cord. Spin the disc first and then gently allow the disc to bounce in an up and down motion. Describe the motion of the spinning disc as it moves up and down.



5. Hold the Flip **N** Flyer cord parallel to the ground and slide the disc to the center of the cord. Have a friend spin the disc and then change the orientation of the cord (see diagram below):



Describe what happens to the disc as the cord is rotated. Repeat the experiment without spinning the disc. Write down your observations.

6. Experiment with the Flip **N** Flyer disc on your own. What other tricks can you perform with the disc?

7. Try to use the Flip **N** Flyer as a Frisbee. Explain why Frisbees are thrown with a spin.

8. Describe the remarkable characteristics of a spinning disc.
