

Boomerang

What You Need

- Boomerang template
- piece of thin cardboard (cereal boxes work well)
- glue stick
- scissors

What to Do

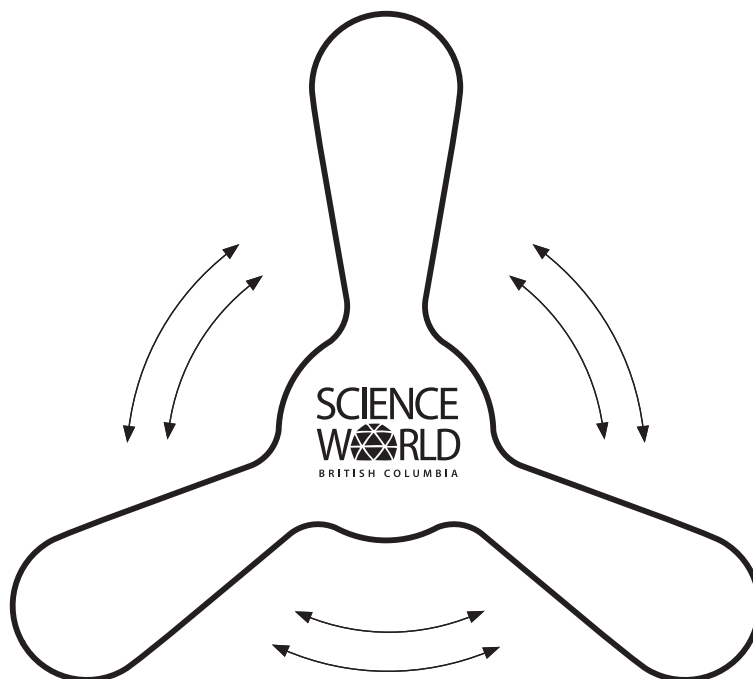
1. Glue the paper template to the piece of cardboard using the glue stick.
2. Cut out the template.
3. Hold the boomerang vertically in your throwing hand, and angle it slightly to the right or left.
4. Throw it with a flick of your wrist. Does it return?

What's Happening

The boomerang spins through the air like a Frisbee or discus. The spinning helps keep it up in the air longer. As the boomerang spins it creates lift. As the spinning boomerang flies through the air it begins to turn in a wide circle. It returns to the thrower. To understand this, think of riding a bicycle with 'no hands'. To make it turn you must lean to one side, as the wheels are turning. If you continue to lean you would ride in a circle.

Now Try This

Try creating a boomerang of a different shape. Can you make a V-shaped boomerang? Or a four-winged boomerang?



Boomerang Template

