

### Big Idea

# Light Refraction



### Materials & Equipment

- A sticky note (or paper & tape)
- 1 Marker
- 1 Clear glass or jar
- Water



### Procedure

1. Draw two arrows on the paper (each facing a different direction)



2. Stick the note to a blank wall

3. Fill your glass or jar with water

4. Slide your glass/jar in front of the arrows on the paper, slide the glass/jar away. What happens to the direction of the arrows?

### What Happened?

The light is refracting as it passes through the water in the jar.

Refraction is the bending of light.

The light traveled from the air and through the glass and water and back through the glass and then back through the air before getting to the arrow.

The light that was on the right side of the glass is now on the left side of the glass and the light on the left is now on the right making the arrow look like it changed directions.

