

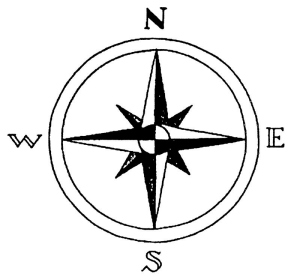
## Do It Yourself Compass instructions.

### Materials:

- A bowl of any size
- Enough water to fill your bowl almost to the top
- A magnet (it can be a thin magnet right off your fridge)
- A needle (you can use a paperclip as a safer alternative)
- A piece of paper
- A marker
- A pair of scissors
- A cup about 2 inches in diameter

### Instructions:

1. Fill your bowl with water stopping once it gets about a centimeter from the top.
2. Use your empty cup to trace a circle on your sheet of paper. Cut it out.
3. Write a "N" at the top for North and a "S" at the bottom for south. Use the picture below as a guide to finish adding West and East.



4. Fold the circle in half starting at the "N" and ending at the "S".
5. Rub your magnet from one end of your needle/paperclip to the other. Make sure you always rub the same way. Do this 40 times.
6. Put your needle/paperclip on the crease you made on the piece of paper you cut out. (make sure to put the end you rubbed towards facing north and the end you rubbed away from pointing south.)

7. Put your sheet of paper in your bowl and wait for it to stop spinning.  
The north in your bowl should be facing the north in real life.