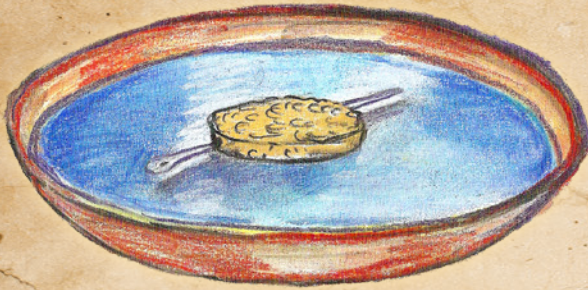


# Disney PIRATES of the CARIBBEAN ON STRANGER TIDES

## PIRATE'S NAVIGATOR

*Navigate your next journey by making a real working compass with items you can find in your home.*



A **MAGNETIC COMPASS** is a navigational device that uses the earth's magnetic field to determine geographic direction.

Follow the instructions below to make your own magnetic compass.

**ADULT SUPERVISION REQUIRED**

### You will need:

- ✦ Small Magnet
- ✦ Bottle Cork
- ✦ Pliers
- ✦ Small dish
- ✦ Needle



### :: How to Make Your Compass ::

#### Step 1:

Magnetize your needle by rubbing a magnet across the length of it several times in the same direction. See figure 1



figure 1

#### Step 2:

Have an adult help you cut off a half inch thick piece from the top of your cork.

#### Step 3:

Using your pliers to hold the needle, have an adult help you carefully push the needle through the middle of the cork so that an equal amount of the needle sticks out on either side.

See figure 2



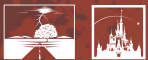
figure 2

#### Step 4:

Fill the dish half way with water and place on a flat surface.

**Step 5:** Float your cork and needle in the water. Then, watch your compass show you which way is North!

*Your completed compass should point to the nearest magnetic pole, either North or South, depending on where you live!*



On Disney Blu-ray and DVD Combo Pack October 18

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