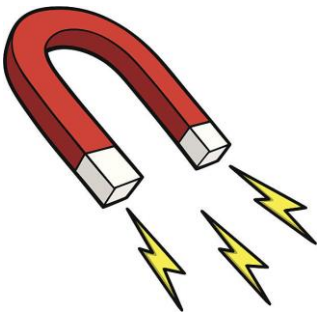




## MAGNETISM: MAKING a WATER COMPASS (K-2)

### The SCIENCE of MAGNETISM:

**Magnets** attract items made of certain metals, like iron.

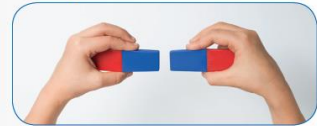


A **compass** is a tool that uses a magnet to help people find their way.

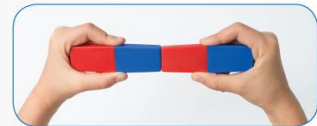


**Repel** is to push away.

**Repel**



**Attract**

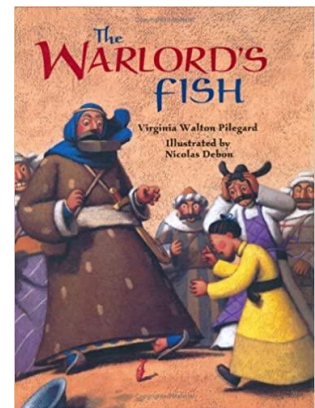


**Attraction** pulls together.

### READ:

*The Warlord's Fish* by [Virginia Walton Pilegard](#) is an ancient adventure with a scientific twist!

Don't have this book at home? You can find it online and [borrow it](#) from an online library.



### ACTIVITY: WATER COMPASS

Materials: small bar magnet / refrigerator magnet, foam/Styrofoam, water, bowl, paperclip



1. Draw a picture of an arrow, a fish, or whatever shape you want and cut it out
2. Rub a paperclip in the same direction across the magnet 50 times
  - a. Adults – have your little one count out loud sliding the clip across the magnet
3. Slide the paper clip on to one end of the foam shape
4. Float the “fish” in a bowl of water and watch it line up north to south all by itself!

For step-by-step instructions, watch the video at: [Water Compass STEM Activity](#)

*This at-home educational activity is from the Literacy Coalition of Palm Beach County's literacy-based Stories & STEM program. Stories & STEM is made possible with support from Prime Time Palm Beach County, Inc., which receives significant funding from the Children's Services Council of Palm Beach County, Inc.*

*Having fun? Send pictures or video links of you and your Stories & STEM projects to [csharkey@literacypubc.org](mailto:csharkey@literacypubc.org)*