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How does a magnet work? What is Attraction and Repulsion?

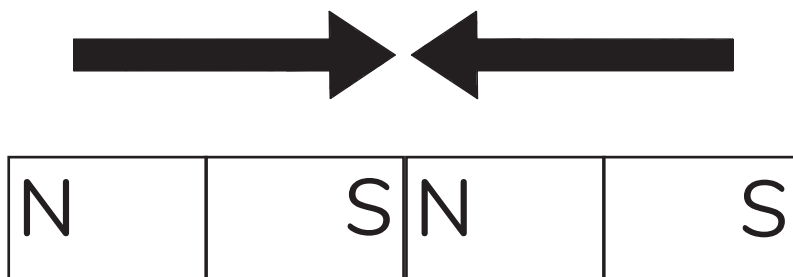
This activity was created by Zoe.

An easy way of thinking about attractive and repulsive forces is to think about them as “push and pull” forces. Like forces repel one another, whereas opposite forces attract one another.

If you think about two magnets that both have a North and South end, and you put both south ends together, they push away and repel each other.



So, if you put one South end and one North end together, what would happen?



They would pull and attract to each other.
The two opposite ends on a magnet are called poles.

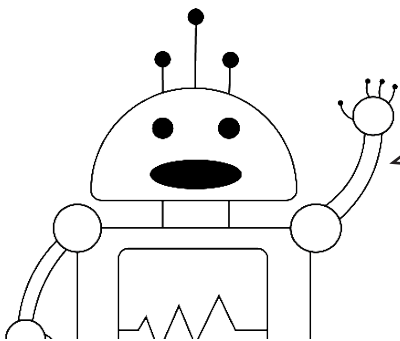
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Think about it this way:

Let's say pizza is your favorite food. If your friend puts a plate of broccoli in front of you, you will most likely push it away from you. However, if your friend puts a slice of pizza in front of you, you will most likely pull the pizza towards you to eat it.

This is just like what is happening with the attraction and repulsion of a magnet. These forces create a magnetic field surrounding each magnet. The field lines come out of the North end and flow into the South end.



Hello! I need some help, which way do the poles on the magnet attract? Magnets are used in robots like me and machines to read code and do an action.

(There is a hint above)

