

# MAGNETS 14

Can you make a magnet float in the air?

Step 1: Look at the six rectangular magnets with holes in the middle. They have no poles marked on them. Arrange the magnets in a line on the table so that their poles are opposite - North to South to North to South.

Step 2: Hold the wooden stick by one end so that it points straight up.

Step 3: Slide one magnet onto the stick, so that it rests on your fingers. Slide another magnet onto the stick so that it repels the first magnet; so that the like poles are together. Draw the two magnets on Stick 2, showing the distance between the two magnets.

Step 4: Slide a third magnet onto the stick so that it repels the second magnet. Draw the three magnets on Stick 3.

Step 5: Slide the other magnets onto the stick one at a time with each one repelling the one next to it. Draw the magnets on Sticks 4 - 5.

CONCLUSION: What did you learn?

*Label the poles.  
Use the bar  
magnet to start  
out.*

