

Some Ideas for you to explore with a magnet

Next week, you will be planning and making a game using a magnet.

Try lots of things at home before you plan so that you know how a magnet works

You know what materials a magnet sticks to (magnetic)

You know what materials a magnet doesn't stick to (non-magnetic)

Think about the experiments you saw last week - picking up the paperclip from the water and picking up many paperclips at a time. What made this happen?

Try these:

[Magnetic Slime | Experiments | Steve Spangler Science](#)

[Eating Nails for Breakfast | Experiments | Steve Spangler Science](#)

Magnet powered cars - attach a magnet to a toy car and pull long with a second magnet. All without touching the car!



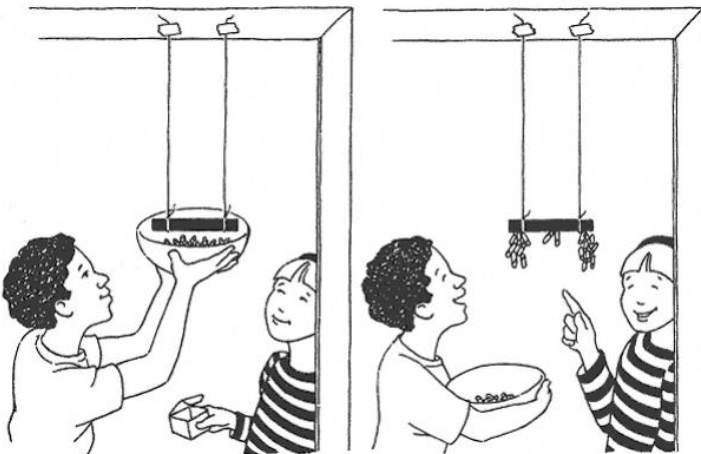
[Amazing Science Experiment with magnet - anti gravity magnetic - YouTube](#)



Make magnetic sculptures - use a collection of magnets and metal objects



Door frame activity



1. Cut two 3-foot (1-m) pieces of string.
2. Tie one end of each string to each end of the magnet.
3. Tape the free ends of the strings to the top of a door frame.
4. Adjust the length of the strings so that the magnet hangs in a level position and is at a height that is easy for you to reach.
5. Spread the paper clips in the bottom of the bowl.
6. Raise the bowl so that the magnet touches the paper clips.
7. Slowly lower the bowl.
8. Observe where the clips cling to the magnet.