

SCIENCE STARTERS

Magnetism





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Magnificent Magnets

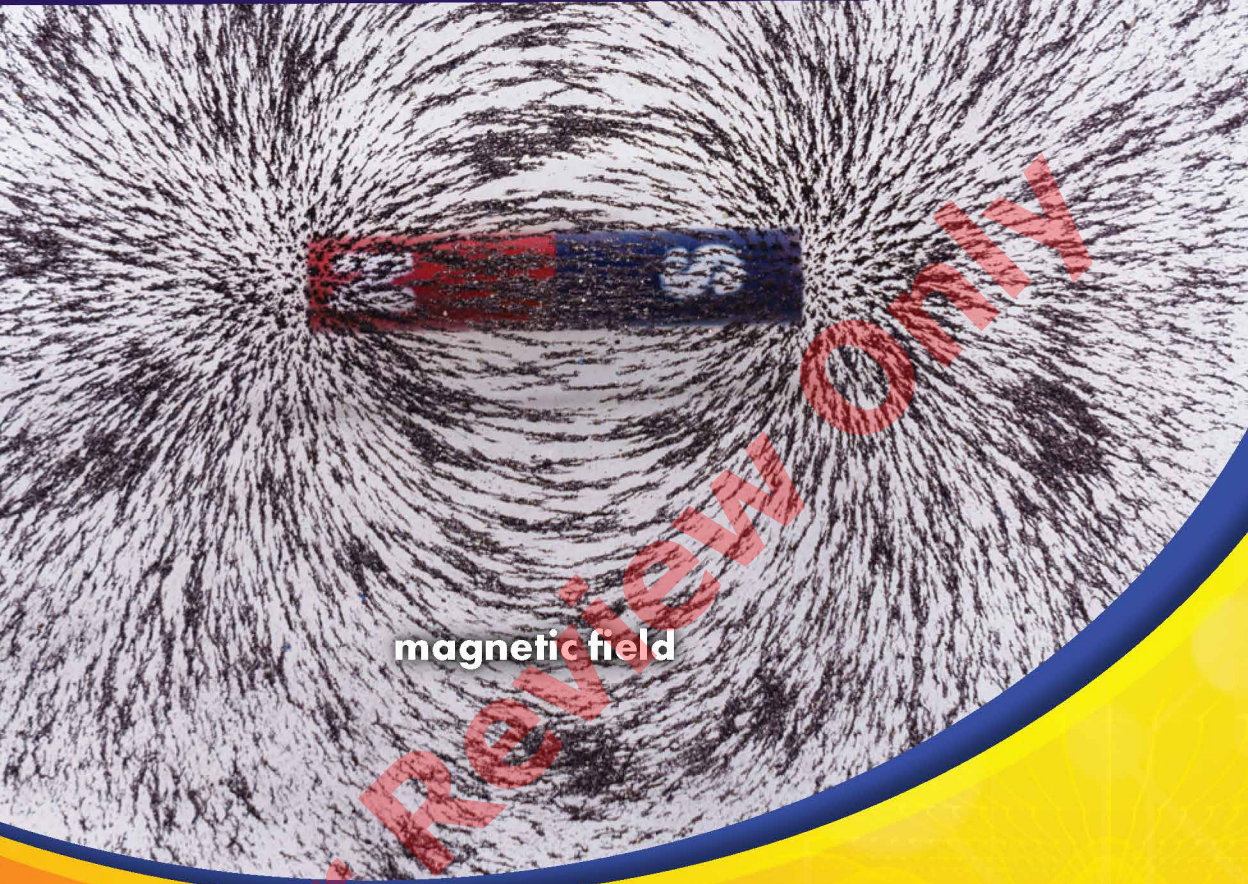


Snap! You hang your art project on the refrigerator with a **magnet**. Then you look inside for a snack. When you close the refrigerator door, magnets seal it shut.

The doorbell rings. Your friend is here to visit. All of these everyday things use magnetism!



What Is Magnetism?



Magnetism is a **force** that pushes or pulls objects. It creates an unseen **field** around a magnet. Magnetism moves magnetic objects in a field.

Most metals, including steel and iron, are magnetic. Wood and cotton are some nonmagnetic objects.

For Review Only



Magnets can be very strong!
The strength of a magnet is
measured by **pull force**.





This is how hard a magnet must be pulled before it moves away from a steel sheet.



Magnetic Fields

You can see how a magnetic field works by making a paper clip float!

What you will need:

- a paper clip
- string
- a rock or a small weight
- a paper cup
- a strong magnet

1. Tie one end of one piece of string to one end of the paper clip.
2. Tie the other end to the rock or weight.
3. Place your magnet in the paper cup.
4. Hold your cup with the magnet over the paper clip to pick it up. How high can you lift it before it falls?

