

## What Materials Do Magnets Attract?

\*\*Collect metallic and nonmetallic items to test such as an aluminum washer, steel washer, plastic washer, small piece of wood, metal ball bearing, rubber ball, paper clip, thumb tack, aluminum nail, steel nail, brass fastener, plastic coated paper clip, piece of drinking straw.

Have them complete their predictions prior to starting the activity.

What you need:

- magnet
- objects to test
- paper

What to do:

- **PREDICT:** Decide if the magnet might attract each object. Record your prediction on the chart below or one like it.
- **OBSERVE:** Hold the magnet near each object. Observe and record what happens.
- **CLASSIFY:** Sort the objects onto two groups called **ATTRACTED** and **DID NOT ATTRACT**.

Think and write:

**ASK QUESTIONS:** Think about items you might want to attract with a magnet. Make a list of questions to ask. Make a plan to find out.

**GLE 0207.Inq.2** Ask questions, make logical predictions, plan investigations, and represent data.

**GLE 0207.12.1** Experiment with magnets to determine that objects can move without being touched.

