



Try this activity to pick magnets off the floor with help from a movable pulley. Have an adult help with the scissors.

1 Carefully poke a hole $1\frac{1}{2}$ inches (4 centimeters) down each side of your container. Use the scissors.

2 Thread a piece of string through the holes. Tie knots in each end to form a small handle.

3 Tape the magnet to the bottom of the container with clear tape. Set this to one side.

4 Cut a length of string about a yard long (1 meter). Tie one end of the string to a door handle.

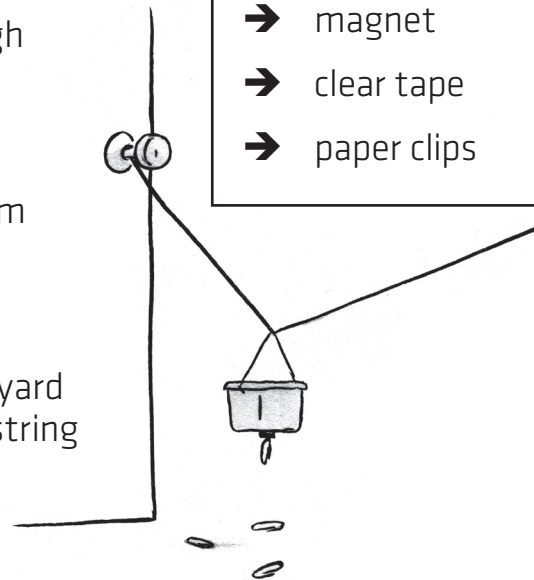
5 Loop the other end of the string through the handle of your container.

6 Scatter the paper clips on the floor, directly beneath the doorknob.

7 Try to pick up the paper clips using your movable pulley. Pull on the string to move the load.

SUPPLIES

- small plastic container
- scissors
- string
- magnet
- clear tape
- paper clips



THINGS TO DISCUSS

↑ See how the pulley moves on the string.

↑ When the pulley moves, what does the load do?

