

# Move an Object STEM

## CHALLENGE

### Activity Overview

In this problem-solving challenge, move an object without using your hands. Explore how tools, air, ramps, and other simple machines can help move items. This encourages creative thinking and experimentation.

### Supplies

- small objects (pom-poms, blocks, beads, toy animals)
- straws
- fans (optional)
- cardboard
- rulers
- spoons or scoops
- funnels
- tubes or ramps
- tape

### Setup

Place a small object on a table or floor.  
Give students a set of tools and materials.  
Explain the challenge rules.

### Challenge

Move the object from one place to another without touching it with your hands. Students may use tools, air, ramps, or other materials to move the object.

### STEM Questions

- Which tool works best?
- What happens if you blow air through a straw?
- Can you move the object using a ramp?
- How can you move the object faster?

### Extension Ideas

Move the object into a container or target zone.  
Race two designs to see which moves the object fastest.  
Try moving different objects (light vs heavy).