PROJECT!

# HOW LIGHT TRAVELS EXPERIMENT

**Scientists know that light travels very quickly. In this experiment, you will discover if light really does travel in a straight line.**

**SUPPLIES**

- science journal and pencil
- 4 index cards
- hole puncher
- red marker
- 12-inch ruler
- modeling clay
- flashlight

**1** Before you begin, start a scientific method worksheet in your science journal. What is your hypothesis about how light travels?

**2** Punch a hole through the center of three index cards. The hole must be in the same spot for all three cards.

**3** Place one of these index cards over the fourth card and trace the hole onto it with a pencil.

THEN & NOW

**THEN:** The ancient Greeks believed that fire came from the gods. A god named Prometheus stole fire from the home of the gods, Mount Olympus, and gave it to humans. He was severely punished for this.

**NOW:** We know that fire is a reaction between oxygen and a fuel, such as wood. But the world hasn't forgotten Prometheus. At the beginning of each Olympic Games, a burning torch is brought from Greece to the country hosting the games in commemoration of the theft of fire.