

**LIGHT REFLECTION**

# How Does Light Travel?

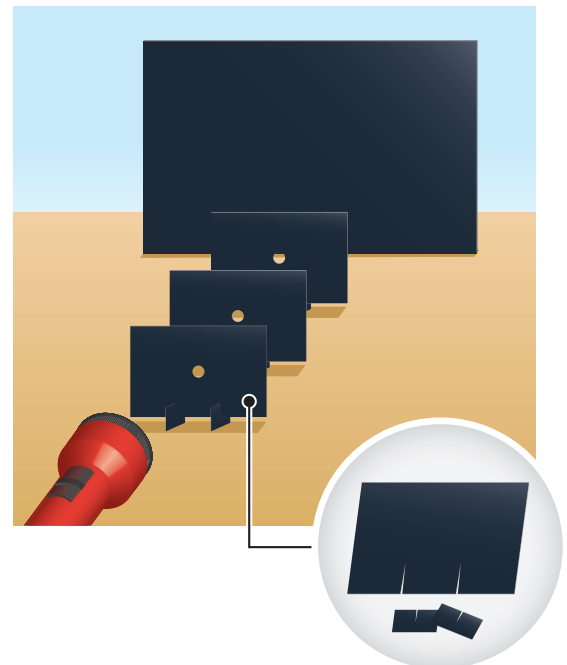
Do you know how light travels? Do the experiment below to find out.

**Steps:**

- 1 Cut three cards of 10 cm by 15 cm and six cards of 4 cm by 2 cm out of a sheet of black construction paper.
- 2 Punch a hole in the middle of each big card. Cut slits into the cards as shown and connect them together.
- 3 Go into a dark room with the cards, a flashlight, and another sheet of black construction paper.
- 4 Arrange the cards in a straight line without aligning the holes in front of the construction paper that is against the wall as shown.
- 5 Shine the flashlight on the first card and see if you can see the light on the construction paper against the wall.
- 6 Align the holes on the cards and repeat Step 5. Can you see how the light travels to the construction paper?

**Materials:**

- 2 sheets of black construction paper
- a hole punch
- a flashlight



*In this experiment, you should have noticed that light could only be seen on the construction paper against the wall when the holes on the cards were aligned. This showed you that light travels in a straight line.*





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# Reversed Images



Light bounces off reflective surfaces like mirrors, but because the mirror causes the light to travel back in the opposite direction, the image is reversed.