Straight Purpose:
To demonstrate that light travels in a straight line.

Materials
Scissors  Modeling clay
Ruler  Flashlight
Cardboard  Index card

Procedure
• Cut three 6-inch (15-cm) squares from the cardboard.
• Cut 1-inch (2.5-cm) square notches from the center of one edge of each of the three cardboard squares.
• Use the clay to position the square about 4 inches (10 cm) apart with the notches aligned in a straight line.
• Lay the flashlight behind the column of cards.
• Use clay to position the index card like a screen at the other end of the column.
• Darken the room and observe any light pattern on the paper screen.
• Move the cardboard so that the notches are not in a straight line.
• Observe any light pattern on the paper screen.