



Introduction to Light Activity for Kids

Shadow Puppets DIY

 Duration: **15-30 min**

 Difficulty: **Easy**

 Cost: **\$0 to \$5**

Use a light and potato chip lid to make shadow puppets!

Material List

- 1 Phone with a light app, point source lights work better than flashlights
- 1 Large black permanent marker
- 1 Cup of water
- 1 Clear lid from a potato chip tube

Instructions

- 1 Draw one shape (heart, fish, star, etc.) with the marker on the lid.
- 2 Fill in the shape with the marker so it is completely black.
- 3 Let the ink dry for at least one minute.
- 4 Then flip the lid over and color the shape again so it is really dark.
- 5 Turn on your phone light and hold the lid in front of it.
- 6 Turn off the lights and point the symbol towards a wall.

How It Works

This works because the phone or flashlight is a source of light. The light shines through the clear part of the lid which is transparent. The shape drawn with the marker is opaque and blocks the light. The opaque shape appears as a shadow on the wall.