



Roseville Utility Exploration Center

EXPLORE IT!

Shadow Puppet Show

Subject: Shadows and Light, Energy Efficiency

Create your own shadow puppet theater! What kind of creatures can you make? Use them to tell a story. Invite your family to watch your Shadow Puppet Show.

Materials List

1. Flashlight or lamp
2. White wall or sheet
3. Comfy cushions to sit on
4. Dark room

Grade: 1st

Time: 20+ minutes

Vocabulary: light, transparent, translucent, opaque, sun

NGSS: 1-PS4-3. Plan and conduct investigations to determine the effect of placing objects made with different materials in the path of a beam of light.

Instructions

1. Find a room that you can make really dark.
2. Set your materials in the middle of the room.
3. Shine the light on a white wall (or hang a white sheet to shine it on) to see how close you need to be.
4. Try it! Start making shapes with your hands in front of the light.
5. Practice making shadow creatures.
6. Move the light closer or farther depending on how they look.
7. Make up a story using your favorite shadow creatures.

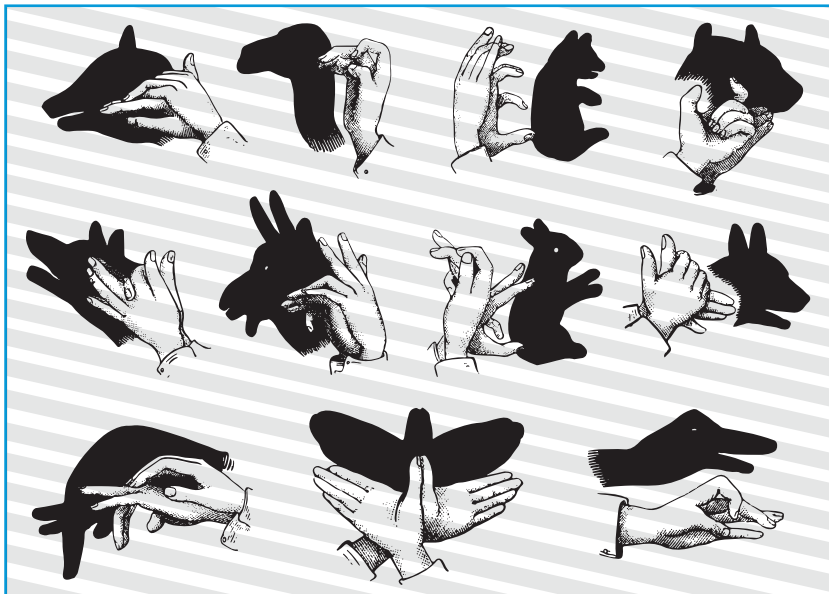


Table Talk

1. What did you like about playing with shadows?
2. What happened when you got close to the light? What distance worked best?