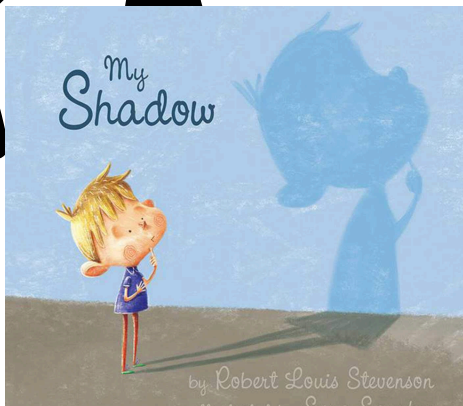


CONNECTIONS TO SCIENCE GUIDES

GEORGIA YOUTH SCIENCE & TECHNOLOGY CENTERS, INC.

MY SHADOW

BY: ROBERT LOUIS STEVENSON



HAVE YOU EVER NOTICED...

- that your shadow changes size?

CAN'T FIND THE BOOK?
READ-ALOUDS ARE AVAILABLE
ON YOUTUBE.

HAVE YOU EVER WONDERED...

- how shadows can change based on the distance an object is from a source of light?

EXPLORE

SHADOWS UPON SHADOWS

Materials:

- A flashlight
- A small toy
- Paper
- Pencil
- Tape



Directions:

- Begin by placing a flashlight on a flat surface, like a table or the floor, shining towards a wall.
- Tape a piece of paper to the wall where the light from the flashlight is shining on it.
- Next, place a toy about six inches in front of the flashlight. Observe. Trace the outline of the shadow it makes on the piece of paper.
- Move the toy six inches closer to the wall. Observe. Trace the outline of the shadow it makes on the piece of paper.
- Move the toy six inches closer to the wall. Observe. Trace the outline of the shadow it makes on the piece of paper.
- As you are exploring, think about:
 - How does the shadow change as it gets further away from the flashlight?

Connection to Art:

- Once you have traced the shadows, use them to create a picture.



EXPLAIN

LIGHT & SHADOWS

Shadows are created when light from a light source, such as the sun, a lamp, or a flashlight, is blocked by an object. The shadow will show the shape of the object blocking the light. The size of the shadow changes based on how close the object is to the light source - the closer the object is to the light source, the smaller the shadow will be.



BACKGROUND

The Georgia Youth Science and Technology Centers, Inc. provides quality programs for teachers of STEM subjects that improve the teaching and learning process at the kindergarten through eighth grade levels. We present programs that change students' perceptions and inspire an appreciation for science, technology, engineering, and mathematics subjects.

ABOUT US

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EXTEND

CHILDREN'S MUSEUM OF ATLANTA



Children's Museum
of Atlanta

Explore shadows and learn how they form when a light source is blocked by an opaque object at the Colorful Shadows Exhibit.

STEM CAREER

OPTICIAN

An optician is a doctor who takes care of our most important sense - vision. At work, opticians can conduct a vision exam to see if a person needs glasses, monitor and treat eye infections, and help prevent blindness by checking for early signs of eye diseases. If you are interested in helping people see better, being an optician might be for you!



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