

Keep this sheet.
Collect them all!



Explore your world with this Science-to-Go backpack



Books in this backpack

- **The Black Rabbit**
by Philippa Leathers
- **Moonbear's Shadow**
by Frank Asch
- **Playing with Light and Shadows**
by Jennifer Boothroyd
- **Shadows and Reflections**
by Tana Hoban
- **What Makes a Shadow?**
by Clyde Robert Bulla

Idea!

Choose a favorite book
and retell the story
in your own words.
Use the pictures
or act it out.

More books
at your
library

Exploring Light. Claire Llewellyn. E535
Guess Whose Shadow? Stephen R. Swinburne. E535.4
Light and Dark. Peter D. Riley. E535.4
Nothing Sticks Like a Shadow. Ann Tompert. E TOMPERT.
Shadow. Suzy Lee. E LEE

Local Connection

Take a
shadow walk
with your child.
Together, find shadows
and their sources—both
the light source and the
object blocking the light.
If possible, take the same
walk at different times of day.
How do the shadows change?

ACTIVITY

Superhero Shadow

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Exploring shadows is a fun way to explore the properties of light. In this activity your child will create their own superhero beacon to shine on a wall—or into the sky!

What you need:

- Toilet paper roll
- Piece of thick paper or cardboard
- Plastic wrap
- Rubber band
- Scissors
- Tape
- Flashlight

Try this:

1. Trace one end of the toilet paper roll onto a piece of thick paper, creating a circle.
2. Have your child draw a shape (their initial, a heart, star or other shape) inside the circle.
3. Cut out the shape.
4. Stick the shape on a piece of plastic wrap. If it doesn't stick, trap it between two sheets of plastic wrap.
5. Place the shape on the end of the toilet paper roll. Pull the plastic wrap tight around the tube. Secure with a rubber band.
6. Darken the room. Shine a flashlight through the open end of the toilet paper roll. Ta-da!
7. Talk to your child about their superhero beacon. What color is their shape on the wall? What else do they notice?

Rhyme

Shadows

Something's always with me
Whenever there is light
No matter if the day is dim
Or shining very bright
It might look rather short
It might look rather tall
And sometimes it is
so subdued
It's barely there at all
It's with me when
I'm playing
Or standing in a line
That thing is called
a shadow
And it is all mine!

Field Notebook

Add something to the field notebook!

For example: Shine a flashlight on an object and have your child trace its shadow.