

Light and Shadow Exploration *at Home*

Look around your house for everyday items that can be used to explore light and shadow, such as nightlights, flashlights, headlamps, or just the sunlight shining through windows. Explore together with your child, encouraging a sense of wonder.

Explore with flashlights together and discuss why the light shines through some things but not others, continuing to investigate the terms transparent, translucent, and opaque. You can even create a visual graph of the number of items in your house that fall into one of those three categories.

Experiment with making shadows on different surfaces, such as a wall, a curtain, a table, or the floor. What do you notice when you hold the flashlight close to and far away from your object?

Take a walk outside on a sunny day and look for shadows. What do you find? Find your shadow and trace it with chalk and decorate it.

Tip: It's easier to find shadows if you take a walk a few hours before or after 12 noon.

