

## Activity Instructions

Activity Name: Shadow

Study: Balls

Objective for Learning: 11a, 11d, 11e

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The following supplies are needed for this activity:  
**Ball**

### Instructions:

Parents explain to your child that a shadow is the dark shape made when something blocks light from a light source like the sun, a flashlight, or a campfire.

Light travels in a straight line but stops when something blocks it causing a shadow, which may be short or tall depending on the angle of the light source.

Place a ball in room. Turn light on and then off. Discuss if you see the shadow. Talk about the opposite of on/off and light/dark.

Discuss the differences you see or do not see in the room when light is on as opposed to when the light is off.

Go outside and take a walk and look for shadows. See how many shadows you can find. Are the shadows tall or short? Can you find your own shadow? If so move around and see if you can make your shadow change sizes.

Make some notes of what your child observed, predictions your child made, and words your child used.