



Shadow Tracing

Subject: Shadows and Light, Energy Efficiency

Have you seen shadows on the sidewalk? Check out this activity to create some of your own shadow art. Soak up some vitamin D as you let your artistic side shine through!

Materials List

1. Paper or driveway
2. Crayons or sidewalk chalk
3. Toys
4. Sunshine

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. Collect your materials and go outside in the sunshine.
2. Place your items in the sun and see if they have shadows.
3. Outline the shadow on the driveway or a piece of paper.
4. Leave your shadow drawing there and come back in 60 minutes to see how the shadow moved. (Optional: Retrace and leave it for another 60 minutes.)
5. Extra: When you are all done tracing, color in your shadow outline to see any changes that occurred over time.

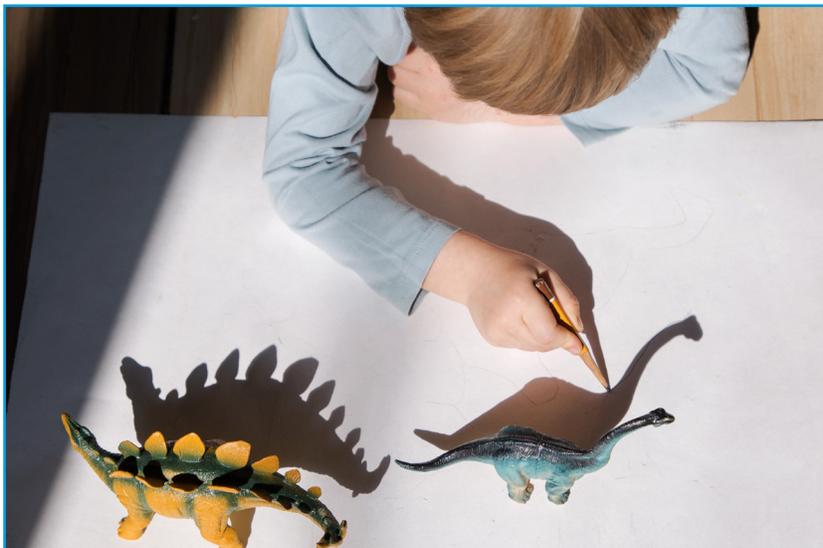


Table Talk

1. After 60 minutes, did your first shadow change? Did it look shorter or longer?
2. What would happen on a cloudy day?