



[▶ Link to Video](#)

# DIY ACTIVITY

## SHADOW TRACING GRADES K-2

### SUMMARY

- Observe how a shadow changes with the time of day.
- Time Required: 20 minutes
- Difficulty: Easy
- Cost: \$0-5

### MATERIALS NEEDED

- Different colored chalk
- Sunny outdoor area

### PROCEDURE

 **AS A CLASS, WATCH THE *GENERATION GENIUS PATTERNS IN THE SKY VIDEO*.**

1. Find a sunny place to stand.
2. Have a friend trace around your shadow with chalk.
3. Come back a few hours later.
4. Stand in the same place and then trace your shadow again. Use different color chalk.

### WHAT IS GOING ON HERE?

As the sun moves across the sky, your shadow will move too. We see a shadow when your body blocks the sunlight. The shadow position will change based on the sun's position in the sky. Sundials, which can be used to tell time, work by casting a shadow as the sun moves across the sky. The sun follows the same pattern each day.