

# POP! TEACHER RESOURCE



Lesson Plan



## Red Light, Blue Light

Lesson Plan for *Why Is the Sky Blue?*

Grade 1

### Objective

To help students practice identifying key details from a text.

### Things Needed

- *Why Is the Sky Blue?* book
- A large, clear space for playing an active game

### Before the Activity

Clear space in the room for an active game. Read *Why Is the Sky Blue?* out loud to students.

### Activity

Open the book to Chapter 3 (“Scattered Light”). Review how light makes particles move by asking students the following questions:

- What is the atmosphere? (Answer: the layer of gases that surrounds Earth)
- What is the atmosphere filled with? (Answer: many tiny air particles)
- What happens when light hits these particles? (Answer: The light makes the particles move up and down. The movement make the light spread in all directions.)
- When red light hits the particles, do the particles move quickly or slowly? (Answer: The particles move slowly.)
- When blue light hits the particles, do the particles move quickly or slowly? (Answer: The particles move quickly.)
- Do people see more blue light or red light in the sky? (Answer: blue light)



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Then, play a variation of Red Light, Green Light. Students will start at one end of the room. They will act as particles in Earth's atmosphere. You will call out "Red Light" or "Blue Light." Students will move across the room quickly or slowly. They will match how that color of light makes particles move. When you say "Red Light," students will move slowly across the room. When you say "Blue Light," students will move quickly across the room.

### **Evaluation**

The first person to reach the other side of the room wins.

### **Standards**

This lesson plan may be used to address the National Science Education Standards' Content Standard B, grades K–4, and the Common Core State Standards' reading standards for informational texts, grade 1 (RI 1.1).

