

Objective

By the end of this lesson, you will understand how the sun can be used to show direction.

Materials and Prep

- Compass
- Pencil
- Blank paper
- Sunny day

No prior knowledge needed, just a curious mind!

Activities

- **Sun Shadow Stick:** Place a stick vertically on the ground and mark where the shadow falls. Wait a bit and mark where the shadow moves. Discuss why this happens.
- **Compass Exploration:** Use a compass to find North. Observe how the sun's position correlates with the compass direction.
- **Sunrise/Sunset Drawing:** Draw a picture of where the sun rises and sets in your area. Discuss why this changes throughout the year.

Talking Points

- **Quotation:** "The sun rises in the East and sets in the West. This can help us determine directions."
- **Quotation:** "When the sun is directly overhead, it's noon. This can help us find South if we are in the Northern Hemisphere."
- **Quotation:** "The length of shadows changes throughout the day because of the sun's position in the sky."
- **Quotation:** "Using a compass can help us find the cardinal directions: North, South, East, and West."