

Objective

By the end of this lesson, the student will be able to identify different types of weather, understand basic weather concepts, and explain how weather affects our daily lives.

Materials and Prep

- Notebook and pencil for notes
- Access to a window or outdoor space for observation
- Internet access for research (if needed)
- Weather chart template (can be drawn on paper)
- Timer for experiments

Before starting, it would be helpful to know the basic definitions of weather terms like temperature, precipitation, and wind. A brief review of the water cycle might also be beneficial.

Activities

- **Weather Observation:**

Spend 10 minutes observing the weather outside. Note the temperature, cloud cover, and any precipitation. Discuss how these factors influence what you wear and your plans for the day.

- **Create a Weather Chart:**

Using the observations from the previous activity, create a weather chart. Record the day's weather conditions and predict what the weather might be like tomorrow based on your observations.

- **Weather Experiment:**

Conduct a simple experiment to create a mini water cycle. Fill a clear container with a small amount of water, cover it with plastic wrap, and place it in a sunny spot. Observe what happens over time and discuss the process of evaporation and condensation.

- **Weather Forecasting Role Play:**

Take turns being a weather reporter. Use your weather chart and observations to create a short weather forecast. Present it as if you were on a news program!

Talking Points

- "Weather is what we experience every day. It can change quickly, and that's why we always check the forecast!"
- "Temperature tells us how hot or cold it is outside. Do you think it affects our mood?"
- "Precipitation includes rain, snow, sleet, and hail. Why do you think it's important to know what kind of precipitation is coming?"
- "Wind can change how we feel about the temperature. A cold wind can make a warm day feel chilly!"

- "The water cycle is how water moves from the ground to the sky and back again. Can you name the steps of the water cycle?"
- "Weather forecasting helps us plan our activities. What would you do if you knew it was going to rain tomorrow?"
- "Understanding weather patterns can help us stay safe during storms. What are some safety tips you can think of?"