

Data Integration



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Data Source:

National Weather Service

<http://www.weather.gov>

Lesson Enhancement

Each day during calendar time my classroom assistant reports the weather using a basic weather description card which displays a cartoon picture that says “sunny”, “cloudy”, “cold” etc. I feel that my students have built up background knowledge and are ready to learn how to measure, record, read, and interpret daily weather patterns and understand how weather affects our daily lives.

Interdisciplinary Context

Weather data can be used in various ways to connect multiple content areas.

Science

Students will investigate and understand that there are simple repeating patterns in the weather.

Using their data, students summarize characteristics of the weather over a long period of time.

Students compare the online forecast from National Weather Service from the local newspaper with the day's actual weather.

Students discuss the fact that forecasts are predictions based on observed and recorded data.

Students discuss ways that forecasts can help them make decisions about outdoor activities.

Math

Students correctly tally collected weather data and use their to make graphs.

Practice counting by 10's to learn how to read a thermometer. Ask students to point at specific numbers such as 30 and 60.

Speaking and Listening Skills

Students review and discuss the data from the Weather Calendar and the Temperature Graph.

Add drawings or other visual displays to descriptions when appropriate to clarify ideas, thoughts, and feelings. (MT.SL.1.5)

Add drawings or other visual displays to descriptions as desired to provide additional detail. (MY.SL.K.5)

Art

Students make three-dimensional picture to record their observations of clouds.

Engineering

Students will construct a wind sock to measure wind direction.

Writing

Students will keep a journal to write about seasons and weather.