Weather
4th grade

Overview
This classroom program introduces students to parts of the weather that can be measured and studied (temperature, humidity, wind speed and direction, cloud types, and precipitation). Using the scientific process, students will conduct a full experiment outside and take current weather measurements.

Vocabulary
- **Humidity** - How much water vapor is in the air
- **Climate** - the weather conditions prevailing in an area in general or over a long period
- **Weather** - the state of the atmosphere at a place and time as regards heat, dryness, sunshine, wind, rain, etc.

NM Science Standards Addressed
1-1-1-1 Use instruments to perform investigations (e.g., timers, balances) and communicate findings.
1-1-1-3 Conduct multiple trials to test a prediction, draw logical conclusions, and construct and interpret graphs from measurements.
1-1-2-1 Communicate ideas and present findings about scientific investigations that are open to critique from others.
1-1-2-3 Understand how data are used to explain how a simple system functions (e.g., a thermometer to measure heat loss as water cools).
1-1-3-1 Conduct multiple trials using simple mathematical techniques to make and test predictions.
2-3-2-2 Describe how weather patterns generally move from west to east in the United States.
2-3-2-3 Know that local weather information describes patterns of change over a period of time (e.g., temperature, precipitation symbols, cloud conditions, wind speed/direction).

CCSS Language Arts Standards Addressed
SL.4.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.
SL.4.1.B Follow agreed-upon rules for discussions and carry out assigned roles.
SL.4.1.C Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others.