Weather
3rd 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 Make new observations when discrepancies exist between two descriptions of the same object or phenomenon to improve accuracy.
1-1-1-2 Recognize the difference between data and opinion.
1-1-1-3 Use numerical data in describing and comparing objects, events, and measurements.
1-1-1-4 Collect data in an investigation and analyze those data.
1-1-1-5 Know that the same scientific laws govern investigations in different times and places (e.g., gravity, growing plants).
1-1-2-1 Use a variety of methods to display data and present findings.
1-1-2-2 Understand that predictions are based on observations, measurements, and cause-and-effect relationships.
1-1-3-1 Use numerical data in describing and comparing objects, events, and measurements.
1-1-3-2 Pose a question of interest and present observations and measurements with accuracy.
2-3-2-3 Know that air takes up space, is colorless, tasteless, and odorless, and exerts a force.
2-3-2-4 Identify how water exists in the air in different forms (e.g., in clouds and fog as tiny droplets; in rain, snow, and hail) and changes from one form to another through various processes (e.g., freezing/condensation, precipitation, evaporation).

CCSS Language Arts Standards Addressed
SL.3.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.
SL.3.1.B Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).
SL.3.1.C Ask questions to check understanding of information presented, stay on topic, and link their comments to the remarks of others.
SL.3.3 Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.
CCSS Math Standards Addressed
CCSS.MATH.CONTENT.3.MD.B.3
Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.

Next Generation Science Standards Addressed
3-ESS2-1 Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.