Weather
5th 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 Plan and conduct investigations, including formulating testable questions, making systematic observations, developing logical conclusions, and communicating findings.
1-1-1-2 Use appropriate technologies (e.g., calculators, computers, balances, spring scales, microscopes) to perform scientific tests and to collect and display data.
1-1-1-3 Use graphic representations (e.g., charts, graphs, tables, labeled diagrams) to present data and produce explanations for investigations.
1-1-1-4 Describe how credible scientific investigations use reproducible elements including single variables, controls, and appropriate sample sizes to produce valid scientific results.
1-1-1-5 Communicate the steps and results of a scientific investigation.
1-1-2-2 Understand that scientific conclusions are subject to peer and public review.
1-1-3-1 Use appropriate units to make precise and varied measurements.
1-1-3-2 Use mathematical skills to analyze data.
1-1-3-3 Make predictions based on analyses of data, observations, and explanations.
1-1-3-4 Understand the attributes to be measured in a scientific investigation and describe the units, systems, and processes for making the measurement.

CCSS Language Arts Standards Addressed
SL.5.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others’ ideas and expressing their own clearly.
SL.5.1.B Follow agreed-upon rules for discussions and carry out assigned roles.
SL.5.1.C Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.