**Unifying Concepts:**
- Systems, order and organization
- Evidence, models and explanations
- Change, constancy and measurement
  - Evolution and equilibrium
  - Form and function

**Big Idea:**
Weather can be described by measurable quantities such as temperature, wind direction and speed and precipitation. Weather changes from day to day and over the seasons.

**Sub Concept I:** Features of weather include cloud cover, precipitation, wind and temperature, and these features can be observed and measured.

**Sub Concept II:** Weather affects the decisions people make about the clothing they will wear and about their outside activities.

**Sub Concept III:** Weather changes from day to day and from week to week

**Sub Concept IV:** Meteorologists are scientists who study, observe and record information about the weather and use that information to make predictions.

**Description of Assessment:** End-of-unit assessment, writing prompts; notebooks, review of student work

**Science Process Skills:** Observing, Questioning, Comparing, Communicating, Predicting, and Organizing


**Rhode Island Science Standards:** The Earth, The Universe, Processes That Shape the Earth, Energy Transformations

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Weather Storyline
STC 1st Grade

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- Systems, order and organization
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Lesson 1
Sharing What We Know About Weather
Observing and describing weather, and deciding what to wear to school today

Lesson 2
Observing the Weather
Recording data about observable weather features

Lesson 3
Recording the Weather
Recording data about cloud cover and precipitation on a calendar

Lesson 4
Estimating Wind Speed
Applying a wind scale to record the speed of the wind

Lesson 5
Reading a Thermometer
Using thermometers to record hotter or colder temperatures

Lesson 6
Comparing Inside and Outside Temperatures
Recording temperatures on a graph

Lesson 7
Making a Rain Gauge
Measuring and recording the amount of rainfall in rain gauges

Lesson 8
Measuring Water Temperature
Measuring temperatures of hot and cold water

Lesson 9
Comparing Inside and Outside Temperatures
Compiling temperatures of hot and cold water

Lesson 10
Observing Clouds
Observing and discussing

Lesson 11
Classifying Clouds
Creating classification schemes for sorting clouds

Lesson 12
Experimenting with Color and Temperature
Conducting experiments with fabrics and water

Lesson 13
Comparing Inside and Outside Temperatures
Compiling inside and outside temperatures on a graph

Lesson 14
Estimating Wind Speed
Applying a wind scale to record the speed of the wind

Lesson 15
Classifying Clouds
Creating classification schemes for sorting clouds

Lesson 16
Summarizing Our Weather Observations
Summarizing weather over a long period of time

Description of Assessment: End-of-unit assessment, writing prompts; notebooks, review of student work

Science Process Skills: Observing, Questioning, Comparing, Communicating, Predicting, and Organizing


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