



Class Title: Green Weather Watchers

Subjects Covered: Science

Teacher Name: Marie Jones

Class Day: Monday

Class Size: 14

Overall Class Cost: \$50

Individual Student Supply Fee: \$0

Class Fee: \$96

Ages or color group served: Green

What level is this class: Level 0

Prerequisites: NA

Graduation Requirements: HCU Attendance Policy

Homework Requirements: NA

Class Description:

In Weather Watchers, students become junior meteorologists as they investigate sunshine, clouds, rain, wind, storms, snow, rainbows, seasons, and weather tools. Each week combines a simple science lesson with an experiment, model, craft, observation activity, or weather challenge.

This class encourages students to ask questions, make predictions, observe changes, and describe what they notice. Students will keep a simple weather journal and practice using age-appropriate tools such as thermometers, rain gauges, wind vanes, and cloud viewers.

The class also introduces practical weather safety in a calm, non-frightening way. By the end of the semester, students will use what they have learned to create and present their own mini weather reports.

Skills Children Will Develop

- Weather observation and vocabulary
- Making predictions and recording results
- Using simple weather tools
- Understanding clouds, rain, wind, and storms
- Recognizing safe choices during severe weather
- Speaking clearly during a weather report

No prior experience is needed. All activities are designed for beginner learners.

Week 1:

Welcome, Weather Watchers!

Focus: What weather is and how we observe it

Activity: Begin a weather journal and create a classroom weather wheel

Skills: Observing, describing, and comparing daily conditions

Talk About: How weather affects our choices each day

Week 2:

The Sun Heats Earth

Focus: Sunshine, warmth, and shadows

Activity: Compare warming in sun and shade and trace changing shadows

Skills: Safe observation, temperature comparison, and prediction

Talk About: Why sunlight changes how warm things feel

Week 3:

Cloud Detectives

Focus: Cloud shapes and basic cloud types

Activity: Make a cloud viewer and model clouds with cotton

Skills: Identifying, sorting, and describing clouds

Talk About: What clouds may tell us about coming weather

Week 4:

The Water Cycle

Focus: Evaporation, condensation, and precipitation

Activity: Create a water cycle bag model

Skills: Sequencing a cycle and observing water changes

Talk About: How the same water moves around Earth

Week 5:

Rain, Rain, Measure Away

Focus: Rainfall and rain gauges

Activity: Build a simple rain gauge and make rain in a jar

Skills: Measuring, comparing, and recording rainfall

Talk About: Why some clouds produce rain

Week 6:

Wild About Wind

Focus: Moving air and wind direction

Activity: Build pinwheels and a simple wind vane

Skills: Testing, observing movement, and identifying direction

Talk About: How wind can be helpful or powerful

Week 7:

Thunderstorm Science

Focus: Thunder, lightning, and storm clouds

Activity: Create a safe static electricity demonstration and storm sound model

Skills: Cause-and-effect thinking and careful observation

Talk About: The difference between thunder and lightning

Week 8:

Weather Safety Heroes

Focus: Safe choices during storms, heat, and cold

Activity: Sort weather safety scenarios and pack a pretend emergency kit

Skills: Problem-solving and safety planning

Talk About: Who helps us and where we go during dangerous weather

Week 9:

Snow, Ice, and Cold

Focus: Freezing, melting, and winter weather

Activity: Conduct an ice-melting investigation

Skills: Comparing materials, timing changes, and making predictions

Talk About: What makes ice melt faster or slower

Week 10:

Rainbows and Light

Focus: How light and water create colors

Activity: Make mini rainbows with prisms or water and create a color-spinner

Skills: Observing light, color order, and patterns

Talk About: Why rainbows appear after certain weather

Week 11:

Seasons and Weather Patterns

Focus: How weather changes through the year

Activity: Create a four-seasons wheel and sort clothing and activities

Skills: Comparing patterns and connecting weather to seasons

Talk About: How seasons differ from today's weather

Week 12:

Junior Meteorologist Weather Show

Focus: Review, forecasting, and communication

Activity: Create symbols, prepare a simple forecast, and present a mini weather report

Skills: Using weather vocabulary, evidence, and public speaking

Talk About: How meteorologists help communities prepare