

Weather Watch Log

Teacher-led weather observation, journal coding, and temperature graphing.

S1E1.c “Plan and carry out investigations on current weather conditions by observing, measuring with simple weather instruments (thermometer, wind vane, rain gauge), and recording weather data (temperature, precipitation, sky conditions...)”

NAME _____

DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 WEATHER TOOLS

a	vane	thermometer	gauge
b	thermometer	vane	gauge
c	vane	gauge	thermometer

2 DAILY RECORD

Calendar	
Log	
Graph	

HOW TO RUN THIS PAGE

Take students outside or look through a window, then use a thermometer, rain gauge, and wind vane. Students identify each tool, record the day on the sheet as a calendar entry, make a short weather-journal code, and add a temperature line to a simple graph box. Use this sheet on several days to build a periodic weather journal.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 • WEATHER TOOLS

SAY “Listen to each question. Look at the three tool words in that row, and circle the tool that answers the question.”

ROW	SAY	STUDENTS CIRCLE
a	Which tool tells how warm or cold the air is?	thermometer
b	Which tool collects rain so we can measure it?	gauge
c	Which tool points to the direction the wind comes from?	vane

PART 2 • DAILY RECORD

SAY “Look outside with me, then read the thermometer, rain gauge, and wind vane. Use the class calendar to write today's date in the Calendar box, then write our four-letter journal code in Log, in this order: sky, precipitation, wind direction, weather event. Use C for clear, M for mixed, when you see both blue sky and clouds, O for cloudy, when clouds cover the sky, N or R or S for no precipitation, rain, or snow, N, E, S, W, or X for wind direction or calm, and N, T, L, F, or H for no event, thunder, lightning, fog, or hail. In Graph, draw one line from the bottom up to the temperature height I show on our class temperature chart.”

- Box 1 (beside Calendar): **Today's day number from the class calendar.**
- Box 2 (beside Log): **A four-letter code in this order: sky, precipitation, wind direction, weather event.**
- Box 3 (beside Graph): **One vertical line from the bottom of the box to the observed temperature height shown on the class temperature chart.**

WHAT TO ACCEPT

Weather Tools answers are thermometer, gauge, and vane. Accept the observed date, a journal code that matches the class observations and code order, and a graph line at the temperature height selected from the thermometer reading.