

Think About It!

Were your measurements at each station different from each other?
Why do you think that is?

Take a Picture!

Put your camera/phone/tablet up to the guide post and take a picture. A photo can help you remember how different weather conditions looked!



TRACK your hike at
kidsinparks.com
and get **FREE** prizes!



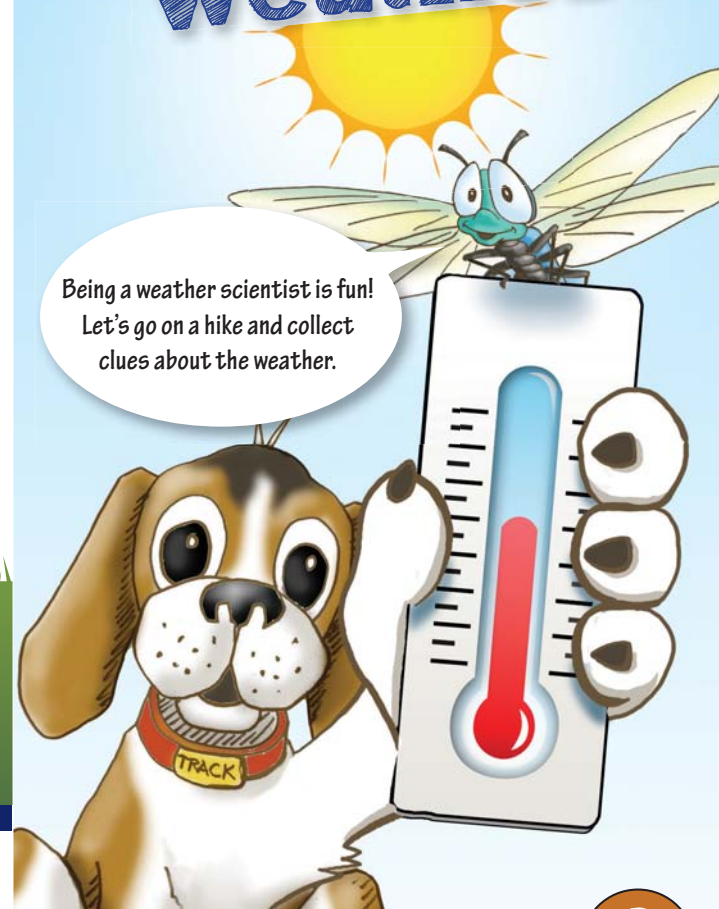
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Kids in Parks Founding Partners



What's the Weather?



Use this brochure and the tools on the trail to track the weather at your school.

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Weather Toolkit

With a few simple tools, we can discover the secrets of weather patterns. The measurements we take can even help us predict the weather!

Tools of the Trade

In your toolbox are instruments that measure different parts of weather.



Thermometer

A thermometer measures temperature. Temperature is measured in Fahrenheit.



Barometer

A barometer measures air pressure. Falling pressure can mean storms.



Anemometer

An anemometer measures wind speed. How fast is the wind blowing?



Wind Vane

A wind vane measures wind direction. Is the storm moving away from you?



Rain Gauge

A rain gauge measures precipitation. How much rain has fallen recently?

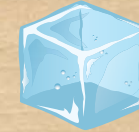


Take readings with the instruments at the stations and write down your findings.

T	T	T
B	B	B
A	A	A
W	W	W
R	R	R

Run the Numbers

Let's see how your measurements stack up against some all-time weather records.



Water freezes at 32°F. How much above or below freezing was your lowest **thermometer** reading?



The highest air pressure ever recorded in Asheville was 30.90 inHG in 1924. How close to the record was your highest **barometer** reading?



The highest ever North Carolina wind speed measured was about 121 miles per hour on Grandfather Mountain. How close was your highest **anemometer** reading today?



The most rain in a single day in North Carolina was 22.22 inches in Altapass in 1916. How much less rain did you get today in the most full **rain gauge**?