

Severe Weather Research Sheet

Complete the chart below using information you find on the websites about each type of storm.

	Tornado	Hurricane	Thunderstorm
Wind			
Precipitation			
Air Pressure			
Other Characteristics			

Severe Weather Websites

Websites used in this lesson:

<http://theweatherchannelkids.com/weather-center/careers-in-meteorology/>

Research sites:

www.weatherwizkids.com/weather-tornado.htm

www.weatherwizkids.com/weather-thunderstorms.htm

www.weatherwizkids.com/weather-tornado.htm

<http://teacher.scholastic.com/activities/wwatch/tornadoes/index.htm>

www.theweatherchannelkids.com/weather-ed/weather-encyclopedia/tornadoes/

<http://curriculumbits.com/prodimages/details/geography/Tornadoes.swf>

www.weatherwizkids.com/weather-hurricane.htm

www.scholastic.com/teachers/article/hurricanes

www.theweatherchannelkids.com/weather-ed/weather-encyclopedia/hurricanes-and-tropical-systems/

<http://curriculumbits.com/prodimages/details/geography/hurricanes.swf>

www.weatherwizkids.com/weather-thunderstorms.htm

www.theweatherchannelkids.com/weather-ed/weather-encyclopedia/severe-thunderstorms/severe-thunderstorms/

Videos:

Thunderstorm Video:

www.natgeoeducationvideo.com/film/1203/thunderstorms

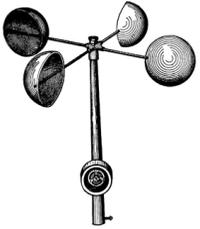
Tornado Video:

<http://video.nationalgeographic.com/video/environment/environment-natural-disasters/tornadoes/tornado-montage/>

Hurricane Video:

<http://video.nationalgeographic.com/video/environment/environment-natural-disasters/hurricanes/hurricane-montage/>

Matching Activity



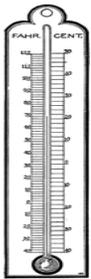
Thermometer

The thermometer measures the temperature of the air around us. The air temperature outside changes constantly. It changes because the sun changes its position in the sky, when the sun goes down at night, when the sun goes behind a cloud, or when warm or cold air moves into our area.



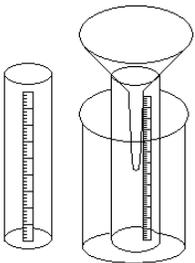
Rain Gauge

The rain gauge measures how much rain we got during a rainstorm. After the rainfall is measured, meteorologists will look at the other weather instruments to see what conditions were before it rained. They will record this data. When they see the other instruments measuring the same again before another rainstorm, they can predict how much rain we will get with the storm coming in.



Barometer

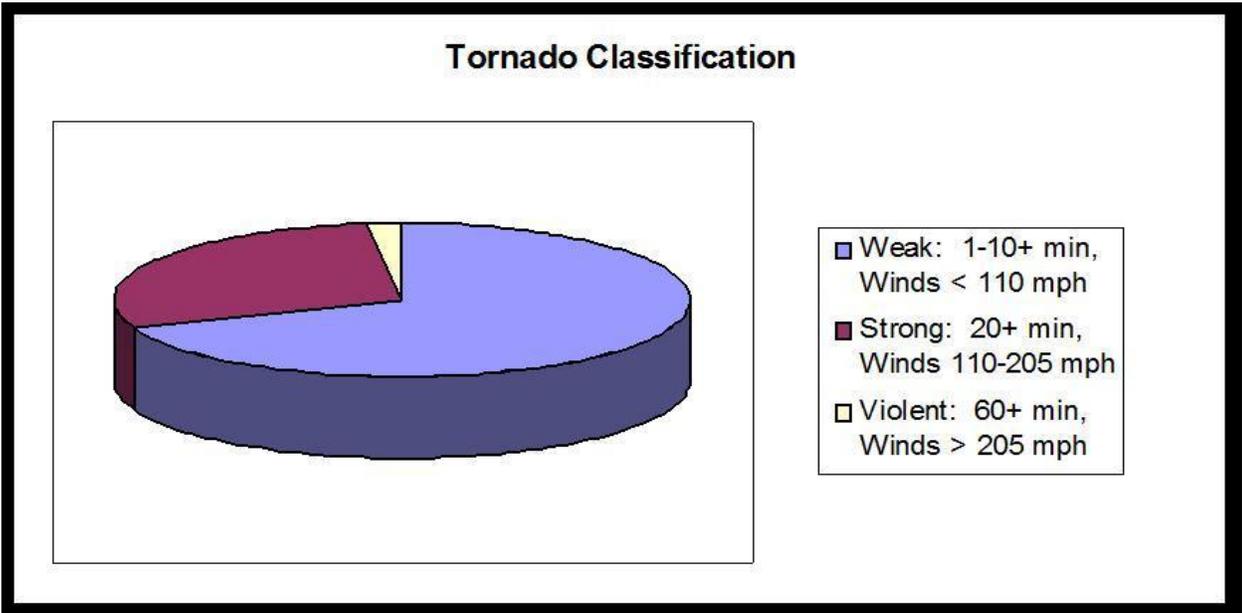
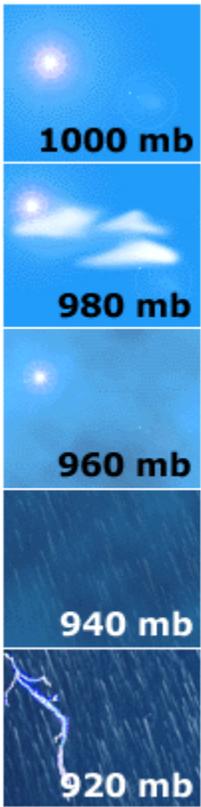
There is air pressure around us all the time. The barometer measures the air pressure around us. Sometimes this air pressure changes because of changes in the atmosphere. When the air pressure changes there is usually a change in the weather. When there is a big change in the air pressure a storm is coming.



Anemometer

The anemometer measures how fast the air is moving around us. It may be blowing softly telling us that we will enjoy fair weather for a while, or it may be blowing hard telling us that a low pressure is near and a storm may be coming our way.

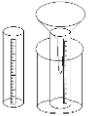
Sample chart and graph with data from weather instruments for student analysis



Wacky Weather Rubric	Student	Teacher
Group Work		
We only talked about our I-STEM project.		
We listened to each other.		
We used kind words.		
Total	/3	/3
Product		
We included recycled materials.		
Our structure was < 40 cm wide.		

Our structure was < 30 cm tall.		
Our structure included a base, four walls, and a roof		
We included one idea from each person in our design.		
We redesigned our structure to protect it from severe weather.		
Total	/6	/6
Presentation		
I made eye contact with the audience.		
I spoke clearly and the audience could hear me.		
I stood up straight.		
Total	/3	/3
TOTAL		

Severe Weather Alert Chart

	Yesterday's Forecast	Severe Weather Alert 1	Severe Weather Alert 2	Severe Weather Alert 3
	5 mph	111 mph	164 mph	30 mph
	980 mb	964 mb	900 mb	920 mb
	0 inches	9 in	½ in	2 in

	see graph	see graph	see graph	see graph
Cloud cover	cirrus clouds	stratus clouds	funnel cloud	cumulo-nimbus
Precipitation	none	heavy rain	none	possible hail

