

## My Weather Activities

- 1) Students will learn Weather related vocabulary, Definitions and symbols.
- 2) Make a Rainbow (tub of water, Mirror, Sunlight)
  - a) Fill a tray/pan of water where the sun can shine on it
  - b) Fill the pan with water
  - c) Place a mirror (cd) in the pan. Lean it against an edge
  - d) Move the pan gently or tilt the mirror so the sun shines on the mirror
  - e) Move the mirror slightly until it reflects the light. What Happens?
  - f) Try to catch the reflection on White Paper
- 3) Make it Rain

There is always water in the air. Warm air can hold more water than cold air.  
The amount of water in the air is called Humidity.  
A Cloud is cooled water vapor.  
Rain is when the water in the air condenses and forms drops.

  - a) Take a glass jar with a lid
  - b) Put ice in the jar and close the lid
  - c) Dry off the outside of the jar
  - d) Observe if water drops appear on the outside of the jar
- 4) Make a Cloud.
  - a) A cloud is when water joins together in the air
  - b) Fill a zip-lock bag with air
  - c) Place in the freezer to cool down the air
  - d) Remove the bag, open it a little and blow into it and reseal it.
  - e) The warm moist air from your lungs should condense in the colder air

ALTERNATIVE

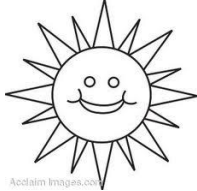




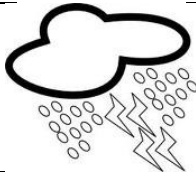



Cool off mirror in some ice  
Exhale/blow on the mirror and a white “fog” should appear
- 5) Name the Hurricanes

Every year they name hurricanes with boys and girls names.  
If a storm is very bad, that name is never used again. Floyd, Hazel, Katrina
- 6) Creative Weather Movement





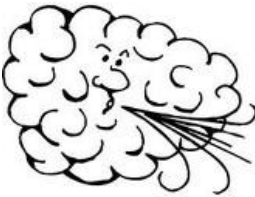

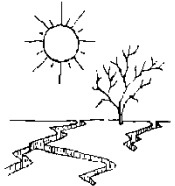
Act like a:	Tornado	Bolt of lightning	
	Wind	Rain	Snowflake
- 7) Make a Snowflake.
- 8) Make Lightning – Static Electricity – Rub balloons on hair.

(Usually **will not** work in hot / humid conditions)
- 9) Rainbow card / mobile.
- 10) Do the WAVE.
- 11) Shock Wave – Divide the class into lines. Hold hands. First person squeezes the hand of the next person – and goes down the line. The last person runs to the front repeats the process.
- 12) Rain Storm Sounds: Divide the class into 4 groups. It must be very quiet. First group rubs hands together. Second group snaps fingers; third group pats thighs with hands. 4<sup>th</sup> group stomps feet. Do this in order and the sound builds – very impressive in a large gym with lots of students.



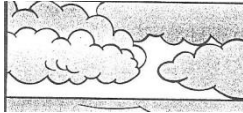



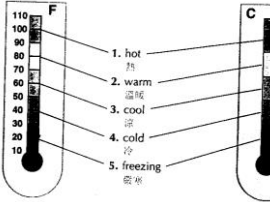
# My Weather Activities

Weather Word	Symbol	Definition
Sun / Sunny / Bright		Clear sky, no clouds.
Partly Cloudy or Mostly Sunny		Sun but there are some clouds.
Fog		A cloud that is close to the ground.
Cloudy		More clouds than sun.
Rain		Water falling from the sky.
Hail		Water that has turned to balls of ice (Mostly during a thunder storm).
Snow		Water that freezes and forms soft flakes (cold weather).
Sleet / Ice		Frozen rain / ice
Showers / drizzle / mist		A light rain or mist.

## My Weather Activities

Thunderstorm		A heavy rain with thunder and lighting. Thunder is the sound made by the lighting going through the air (5 second rule = 1 mile).
Hurricane		A strong storm over water that has winds and rain. Usually in Gulf Coast and South Eastern, US (Florida, Georgia, SC, NC).
Lighting		A spark of electricity from cloud to cloud or cloud to ground. Static Electricity.
Tornado		A violent, whirling wind storm. Fast and destructive.
Wind		When warm air rises and cold air falls or they mix together. You cannot see wind – you can only see what the wind blows!
Heat wave		High temperatures for a long time.
Drought		Dry Condition No rain. Parched.

## My Weather Activities

Cirrus Clouds		Thin, high clouds.
Cumulus Clouds		Puffy white clouds.
Cumulonimbus Clouds		Big, dark storm clouds.
Stratus Clouds		A layer of gray clouds covering the sky.
Breeze		A soft or gentle wind.
Rainbow		When water in the air “catches” light and splits it into colors. Usually after a rain storm.
Temperature Thermometer		Hot and cold.

