



# weather academy



# BECOME A TRAINED WEATHER OBSERVER



Learning to use the weather tools



Show how/where to place your tools



Explain how to measure rainfall



Show how to measure snow depth

weather instruments

# Show and Tell





# What is This?



# RAIN GAUGE

Measures the amount of rain that has fallen over a specific time period.

# MAKING A RAIN GAUGE

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- SUPPLIES:

- 2 liter bottle
- Ruler/some measuring tool
- Scissors
- Pen/marker
- Water (rocks optional)





# IDEAL PLACEMENT FOR RAIN GAUGE

- **Away from structures.**
- **Avoid trees and any landscaping**
- **Ideally 2 to 5 feet above the surface**
- **Make sure it is level**

# HOW TO TRACK THE RAIN GAUGE

- **Watch WTHR weather forecasts to see when it will rain**
- **Make sure water in the bottom is at the zero line before rain starts**
- **When rain ends, check to see how much water has accumulated in gauge**
- **Empty all water and refill water to zero line**





# HOW TO MEASURE SNOW

- **Snow board: white wood ~24x24"**
- **Ruler**
- **Flag (for big events to find the board)**
- **A nice open area**



## HOW TO MEASURE SNOW

- **Take measurement when snow stops. The sooner the better to prevent melting or compacting.**
- **Clear off snowboard to prepare for new snow**
- **Note your location**
- **Report your snowfall measurement to WTHR or the National Weather Service**



# HOW TO MAKE SNOW

**1 part hair conditioner\* (white, not colored or it might tint your snow)**

**6 parts baking soda**

## Examples

**1/2 cup hair conditioner**

**3 cups baking soda**

**Mix in a bowl and spread onto a baking sheet.**





# How we bring you the weather...



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**Want to do this?**



**STAY IN  
SCHOOL!**





# Water Conservation

- **Less than 1% of water on Earth is available for drinking.**
- **The average person uses 80-100 gallons of water per day.**
- **The average 8-minute shower uses around 20 gallons of water.**
- **Our drinking water comes from lakes, rivers and underground.**
- **Bottled water is much more expensive than tap water.**



# Questions?



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