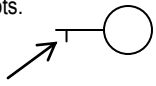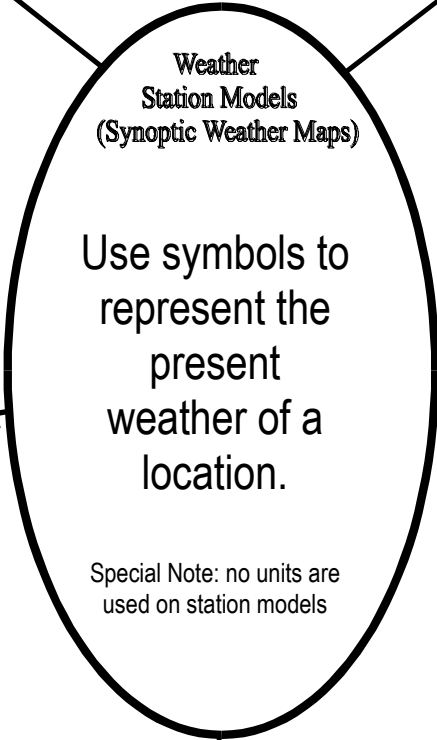Topic: Weather
Aim:

1.   Temperature / Dewpoint

Temperatures must be in
degrees Fahrenheit.

(**never** show units on the station mode
– not even the degrees symbol)

3. Wind Direction and Speed

The staff shows the direction
wind comes from.

Feathers (flags) indicate speed.
Remember to indent half-feather if speed is
less than 10 knots.

half-feather does not start on end of staff

Weather
Station Models
(Synoptic Weather Maps)

Use symbols to
represent the
present
weather of a
location.

Special Note: no units are
used on station models

2.   Determining Humidity

BEST WAY:
Compare air temperature
to dew point. (If close
together, humidity is high)
        or
Observe cloud cover.
(**full = overcast**)
        or
Observe present weather.
(precipitation)

4.
   Barometric Trend

RISING
"+ number" or "/"

FALLING
"- number" or "\"

STEADY
no change indicated

5.   Converting 3-digit Pressure Readings to Millibar Readings

   To get the 3 digit number to put in the upper right corner of a station model,
   just take the last 3 digits of the millibar reading.

 1. IF < 500 PUT A 10 IN FRONT AND A DECIMAL BETWEEN
    LAST TWO DIGITS. Example: **196 =   1019.6 mb**

 2. IF ≥ 500 PUT A 9 IN FRONT AND A DECIMAL BETWEEN
    LAST TWO DIGITS. Example: **752 =   975.2 mb**

When putting the
millibars reading onto
the station model:

JUST USE LAST 3
DIGITS OF MILLIBAR
READING.

Example: 1011.2mb

112