Name: **Date:**

Activity 2.2
"Dew-ing" the Dew Point

Objectives:

To find the dew point of the classroom.
To compare results with the "official" dew point.

Materials:

- Shiny soup can, empty and with the label removed
- Thermometer
- 150 ml of water
- 6-7 ice cubes
- WEATHERlogs
- *Optional*: Online access

Procedure:

1. Record the air temperature.
2. Pour the water into the soup can. If moisture forms on the can, immediately pour the water out and use warmer water.
3. Place the ice cubes in the soup can.
4. Insert the thermometer and observe the can until condensation forms on the can. If you used a shiny can, the can should begin to look cloudy or water droplets will be visible on the can.
5. Record the temperature of the ice water.
6. Repeat the experiment two more times and find the average of the three temperatures.
7. Go online and compare the dew point you recorded (temperature of ice water when condensation occurs) with the dew point for your area. How accurate were you? (Remember: if you did this experiment in a room where the heat system or air conditioning is on, your results will not compare with the actual dew point.)
8. Record the humidity.
9. Repeat the entire procedure on days when the humidity is lower and higher than it was on the original day.

Observations:

	Temperature/ Dew Point	**Humidity**	**Observations**
Day 1			
Day 2			
Day 3			

Conclusion:

How does the humidity affect the dew point?