Meteorology and Climate Study Guide

Weather Basics:

* Know each of the instruments and what they are used for Ex: A thermometer measures temperature.
* Know how to read the selected properties of earth’s atmosphere graph on page 14 of the ESRT.
* Be able to determine the dewpoint and relative humidity of a location.

Air Masses:

* Know the conditions for each type of air mass.
* cP:
* mT:
* cT:
* mP:

Winds:

* Be able to describe how winds move around high pressure and low pressure.
* Be able to explain how clouds form.

Fronts:

* Be able to recognize the different fronts from a diagram.

Ocean Currents:

* Be able to identify warm and cold currents using page 4 of the ESRT
* Know where the west coast of North America is located.

Climate:

* Know the three greenhouse gases.
* Be able to describe human activities that would decrease the amount of greenhouse gases in our atmosphere.
* Know the different factors and how they affect the climate of a location.

Math:

* Be able to plot points on a graph.
* Be able to sketch a graph (like we do in class) when given data points.

Station Models:

* Be able to draw a station model with given information.

Hazardous Weather:

* Why does a hurricane weaken?
* What is the type of weather associated with violently rotating winds that have the appearance of a funnel-shaped could?