Predicting Weather

Tools to measure weather

Thermometer-measures in F or C

Barometer- measures air pressure

Anemometer- measures wind speed

Hygrometer- measures relative humidity

Radiosonde- measures air’s temperature, pressure, humidity, and wind speed and direction

Satellites- infra red, visible light, water vapor imagery; track clouds (not precipitation)

Displaying information

Station model- records weather data for a site

* Universal language
* More info in less space

Plot on a map

Isobars-lines of equal pressure

Isotherm- lines of temperature

Forecasting

Digital forecasting -Uses data and calculations to predict change over time

Analog forecasting- looks at patterns in the past