**Purpose**

1. To learn to accurately describe current weather patterns
2. To summarize the reasoning behind a weather forecast

**Audience**

Present your weather forecast as if you were the meteorologist on TV, and you have 1 minute to tell the public what is going to happen with the weather.

**Assignment**

Explore weather information (past data, satellite images, models, radar, etc.) and tell the public in a 3-5 sentence paragraph.

- The current weather for Daytona Beach, and what weather events are affecting this weather
  - Trough or ridge
  - High or low pressure
  - Humidity
  - Etc.
- Use knowledge of past weather and of the models to inform the public what weather will be coming to our area
  - What weather systems are coming into our area?
  - How will that impact our weather?

Explicitly state your forecasted numbers (today's high, tonight's low, tomorrow's high, and the probability of precipitation).

**Example:**

Forecast for April 24, 2013

There is a low pressure system over the southern states, bringing strong winds and rain from the coast. As this low pressure moves to the Northeast, winds will decrease and temperatures will rise. The low pressure will be replaced with a large high-pressure ridge, bringing clear skies and warm temperatures later on this week.

Today's high: 76  
Tonight's low: 55  
Tomorrow's high: 79  
Chance of precipitation today: 80%
Grading

Each forecast will be graded out of 8 points as follows:

- Discussion of current weather patterns, and how they are influencing local weather
  - 3 points for a clear discussion (understandable by the general public)
  - 2 points for accurate interpretation, but there are some flaws in your reasoning, or problems in describing your thoughts
  - 1 point for completing the assignment, but weather patterns described are not accurate at all.
  - 0 points for not completing

- Discussion of future weather patterns, and how they will influence local weather
  - 3 points for a clear discussion (understandable by the general public)
  - 2 points for accurate interpretation, but there are some flaws in your reasoning, or problems in describing your thoughts
  - 1 point for completing the assignment, but weather patterns described are not accurate at all.
  - 0 points for not completing

- Forecast numbers
  - 2 points for completing
  - 1 point for doing, but not complete or obviously wrong
  - 0 points for not completing