

## Weather Map Project

**Objective:** To demonstrate your understanding of the different types of weather fronts, systems, and severe weather, as well as the symbols used to display them.

**Due Date:** March 14<sup>th</sup>, 2014



### 1. Map

You will use a pre-printed map of the United States to show some fictional weather over a specific area.

To your map, you must add four of the following items in locations that are appropriate based on where they are normally found relative to each other.

1. Low pressure system
2. High pressure system
3. Warm front
4. Cold front
5. Occluded front
6. Stationary front

In addition to the items above, you must also choose at least 2 of the following items and include them in appropriate places on your map using the correct symbols.

1. Tropical storm or hurricane
2. Precipitation (snow, rain, or fog)
3. Wind barbs
4. Cloud cover or intensity
5. Sunny weather

Your final map should be clear, colorful, and easy to interpret. It must be 8.5" by 11". Use professional examples as models of what your product should resemble. Be sure to put your name and class period on the back.

### 2. Forecast

You will present a fictional forecast of the upcoming weather based on your weather map. You should predict the weather over the next two days for a specific area of the United States. You must do both of the options:

A. Text: Type out your forecast using a computer. Make sure spelling, grammar, and all English conventions are followed.

B. Presentation: Present your weather forecast to a small group of students. Discuss the current weather conditions on your weather maps. From your weather map, extrapolate the future forecast for a specific region of the United States. Make this presentation under 3 minutes long.



Points	Overall Accuracy	Map	Presentation
10	Map and forecast contain accurate descriptions of the items required. Correct names are used, and items are in appropriate places on the map.	Map is easily readable. Weather items are colorful and clear. All necessary items are present.	Presentation is clear and understandable by the audience. Choice of words shows clear effort. For audio/video forecast, practice is evident. Forecast matches items and locations on map.
8	A few errors are present, including incorrect labels of weather items or inappropriate locations	Map shows insufficient effort, including either less than the minimum number of weather items, lack of proper labels, or map is somewhat difficult to read.	Presentation shows a lack of complete preparation. Speaking is rushed, spelling/grammar errors are found in the writing, or forecast does not match the map.
6	Multiple errors are present.	Two of the above are true.	Two of the above are true.
4	Serious errors are present.	Map is incomplete, lacking proper weather items. Map is unreadable.	Presentation is incomplete, lacking preparation, containing errors, and not matching the map.
2	Assignment is completely inaccurate. Chickens with crayons strapped to their feet could have created a better project.	Map is completely a mess. It looks like a family of snails crawled all over a piece of paper.	Forecast is unintelligible. It doesn't even sound or look like English.

