

Meteorology Project – Final Project Rubric

<i>Expectations</i>	EXCEPTIONAL	EXPECTED	NEEDS IMPROVEMENT	UNACCEPTABLE
Maps	Three maps are turned in: isobar, isotherm, and weather map. All isolines are created correctly. All maps are clear, neat, and visually appealing. All symbols present in correct location and displayed with correct color.	Three maps are turned in: isobar, isotherm, and weather map. Small imperfections are present with drawn isolines. Parts of maps are not neat or visually appealing. All symbols are present near the correct location and displayed with correct color.	Three maps are turned in: isobar, isotherm, and weather map. There are many mistakes with drawn isolines. Maps are not clear or visually appealing. Some symbols are missing, are not in correct location, or are not displayed with correct color.	All maps are not turned in. There are many mistakes with drawn isolines. Maps are not clear, neat, or visually appealing. Most symbols have imperfections in location or color.
Weather	All pressure systems and fronts are identified correctly. All weather that is identified corresponds with the correct front or pressure system. All weather conditions are explained scientifically (e.g., a less dense air mass rises over a dense air mass). Local, national, and forecasted conditions show thorough understanding of fronts, pressure systems, global winds, and movement of air masses.	All pressure systems and fronts are identified correctly. Most weather that is identified corresponds with the correct front or pressure system. Weather conditions are explained scientifically (e.g., a less dense air mass rises over a dense air mass). Local, national, and forecasted conditions show understanding of fronts, pressure systems, global winds, and movement of air masses with few errors.	Most pressure systems and fronts are identified correctly. Most weather that is identified corresponds with the correct front or pressure system. Weather conditions are explained but with little detail. Local, national, and forecasted conditions show a basic understanding of fronts and pressure systems, global winds, and movement of air masses.	Many errors are present in identifying correct fronts and pressure systems. Most weather that is identified does not correspond with the correct front or pressure system. Weather conditions are given but not explained in detail. There are many errors when explaining local, national, and forecasted conditions. A local, national, or forecasted conditions explanation is not present.
Video Radio Newspaper	Contains weather reports of local, national, and forecasted conditions. Graphics, pictures, maps are used well to explain weather conditions. Evidence of planning, scripting, and rehearsing is present. Sound and video quality is excellent. Flows very well and is a professional product.	Contains weather reports of local, national, and forecasted conditions. Graphics, pictures, and maps are used to explain weather conditions. Evidence of planning, scripting, and rehearsing is present. Has some imperfections with writing, sound or video. Flows well.	Missing one of the following: local conditions, local forecast, national conditions, national forecast. Graphics, pictures, and maps are not used in a professional manner to explain weather conditions. Evidence of planning, scripting, or rehearsing is not present. Has many imperfections and does not flow well.	Missing two or more of the following: local conditions, local forecast, national conditions, national forecast. Graphics, pictures, and maps are not present or are not used to explain weather conditions. Evidence of planning, scripting, or rehearsing is not present. Report has many imperfections, errors, or is inappropriate.

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Project Checklist

- ☐ Isobar Map created perfect, ready to be turned in
- ☐ Isotherm Map created perfect, ready to be turned in
- ☐ Weather Map created on blank map
 - ☐ Find pressure systems from isobar map
 - ☐ All pressure systems labeled correctly (symbol & color) on weather map
 - ☐ Find fronts from isotherm map
 - ☐ All fronts labeled correctly (symbol & color) on weather map
- ☐ Correct type of weather identified with correct front/pressure system
- ☐ Chose a city and state for your local news
- ☐ Local weather current conditions identified and checked
- ☐ Local weather forecast identified and checked
- ☐ National weather current conditions identified and checked
- ☐ National weather forecast identified and checked
- ☐ Video plan (How will you present the weather?)
- ☐ Device to record video acquired
- ☐ Video editing software identified (WeVideo, app, computer program, etc.)
- ☐ Graphics/pictures created for video
- ☐ Write script, rehearse, and record video.
- ☐ Edit clips and splice together
- ☐ Submit video and three maps
 - ☐ Upload to Google Drive and share with teacher
 - OR
 - ☐ Upload to YouTube and send link to teacher