

“Weather” Project

Directions:

Each group of students will be asked to create a simulated 5-day weather forecast from a different region of the world. Each student in your group will be responsible for an important role and/or role(s) in your broadcast. Below is a list of the requirements for this project.

Requirements:

- Familiarize yourself with the weather vocabulary that must be used during your broadcast. (see “weather forecast vocabulary”)
- Choose a region to research. (Regions-areas with characteristics that make them unique)
- Choose a city within that region to research weather patterns/climate; by season.
- Create a visual, 5-day weather forecast of your city, based on your findings during research.
 - Video green screen recording
 - Presentation (electronic)
 - Presentation (real-life) This presentation can be given during class or recorded at an earlier time. Please make sure that if this is done out of class, the video created is given to your teacher at least a day previous to its due date, to ensure that the video is working correctly.
 - If you have other “visual presentation” ideas, please see your teacher before getting started to make sure that they are appropriate and approved.
- *Overall* presentation times should be anywhere from 3 to 5 minutes. (Cap time of 8 minutes)
- Weather broadcasters must explain information that is happening in your region, using graphs, maps, or charts, so that an uninformed audience would understand. It is important that different areas of focus correspond to each other. For example, low pressure is associated with cloud cover and winds move in the direction of high to low pressure.
- **DO YOUR RESEARCH!** We will discuss a number of the “vocabulary terms” in-class. You have to know what they mean...
- Explain how the geography of your country/region affects the weather for the citizens that live there.
 - Your presentation must include a story that focuses on how weather affects our lives. You may make this story up, conduct fake or real interviews, or use any other methods to tell an interesting weather story.
 - This story can relate to the problems that your chosen area might have within their community or it can be another weather story; happening in the somewhere else in the world.
- Feel free to add information about local population or area. Only IF, the rest of your project has been completed.
- **TOTAL POINTS FOR THIS PROJECT: 50 POINTS**

Overall Presentation:

Remember that TV broadcasters often have news anchors in the studio, meteorologists that depict the maps, and correspondents in the field. A good idea would be to watch the local weather forecasts at night to get some ideas about how to make your broadcast be as real as possible.

I AM LOOKING FORWARD TO SEEING WHAT YOU COME UP WITH...

Weather Vocabulary:

There are thousands of vocabulary terms that can be associated with weather, climate, and meteorology. You will be asked to research, understand, and use many of the following vocabulary terms (including the terms you were previously given, in your 5-day weather forecast). (See rubric for requirements)

Temperature	Pressure Systems	Weather “Fronts”	Precipitation
Humidity	Prevailing Winds	Cloud (% cover and types)	Fog
Overcast	Anemometer	Barometer	Climate
Dew Point	Doppler Radar	OceanCurrents	Forecasts
Weather			

Vocabulary for Human Interest Story:

Severe Thunderstorm	Tropical Depression	Hurricane	Lightning
Avalanche	Earthquake	Tsunami	Blizzard
Tornado	Flood	Heat Advisory	

Extra Areas to Include:

- Entertainment Topics for your country or region (School Appropriate)
- Local Sports (types of sports and activities)
- Political News

Student/Teacher Rubric

Requirements:

For the following categories, circle the appropriate evaluation. (1 being the lowest and 5 being the highest.)

Forecast:

Forecasters used at least 5 of the weather vocabulary terms listed above, during their presentations. (5 pts)

1 2 3 4 5

Weather map of the region/location was presentable and clearly understood and described. (5 pts.)

1 2 3 4 5

Human Interest Story:

Human interest story reflects appropriate severe weather conditions and shows how weather affects the lives of the local people. (5 pts.)

1 2 3 4 5

Standard and “Big Idea” Break-Down

6.3.6-Explain how ocean currents and winds influence climate.

6.3.7-Locate and describe the climate regions of Europe and the Americas and explain how and why they differ.

6.3.8-Identify major biomes of Europe and the Americas and explain how these are influenced by climate.

The sun, location, wind, water, and mountains affect weather and climate.

Earth’s five major climate zones are identified by temperature, precipitation, and plant life.

Plants, animals, and the environment, including soil, interact and affect one another.