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Unit 4 Weather & Severe Storms: Final Project

## Severe Storms/Weather Related Hazards

Due:

Choose one of these Severe Storms/Weather Related Hazards:

Hurricane

Tornado

Floods

Supercells (Severe Thunderstorms & Lightning)

Blizzard (Severe Winter Storm)



You may work alone or with up to two other people. Research information about your chosen storm/hazard. Here are some places to start your research:

FEMA website

<http://www.fema.gov/areyouready/index.shtml>

National Hurricane Center

<http://www.nhc.noaa.gov/HAW2/english/history.shtml>

NOAA National Weather Service Storm Prediction Center

<http://www.spc.noaa.gov/climo/historical.html>

FAQ About Tornadoes

<http://www.spc.noaa.gov/faq/tornado/>

Info on Thunderstorms

<http://www.windows2universe.org/earth/Atmosphere/tstorm.html>

Info on Blizzards

<http://www.windows2universe.org/earth/Atmosphere/blizzard.html>

The Weather Channel: Flood Info

<http://www.weather.com/encyclopedia/flood/history.html>

Your project must include the following info:

1. Define the Storm/Hazard
  - a. Wind speeds, wave heights, typical precipitation
  - b. Define typical effects of destruction
  - c. Provide at least 2 pictures
  - d. Provide two key vocabulary words associated with this type of storm/disaster
  - e. Describe the warning signs or warning systems
  - f. What scale rates their severity? (applies to tornadoes & hurricanes)
  - g. Additional interesting information or statistics
2. What geographic areas of the world are most prone to this type of storm/disaster?
  - a. Provide a map
3. Give a specific example
  - a. Where did it occur?
  - b. What year did it occur?
  - c. Give stats on the effects to property (what was the estimated damage in dollars)
  - d. Give stats on the effects on humans (how many people died/ where hurt?)
  - e. What were any long-term impacts on the area?
  - f. Provide at least 2 pictures
4. Outline a Preparedness/Survival Plan
  - a. How would you prepare (think about proper building codes, supplies to have on hand)?
  - b. In the even of this disaster give a plan for evacuation;
    - i. What would you bring?
    - ii. Where would you go?
    - iii. What would be your route?
  - c. If you weren't able to evacuate in time what would you do?
  - d. Describe how a community can make the area safer in the future.
5. Bibliography
  - a. Provide sources of all your information (textbooks, websites)
6. Present your project in digital form (powerpoint, prezi, etc)

*\*\*I will deduct points for class time spent off task, lack of participation with group members or inappropriate use of class time.\*\**

Points Earned	Possible points	Objective
	50	<b>1. Define the Storm/Hazard</b> a. Wind speeds, wave heights, typical precipitation b. Define typical effects of destruction c. Provide at least 2 pictures d. Provide two key vocabulary words associated with this type of storm/disaster e. Describe the warning signs or warning systems f. What scale rates their severity? (applies to tornadoes & hurricanes) g. Additional interesting information or statistics
	10	<b>2. What geographic areas of the world are most prone to this type of storm/disaster?</b> a. Provide a map
	50	<b>3. Give a specific example</b> a. Where did it occur? b. What year did it occur? c. Give stats on the effects to property (what was the estimated damage in dollars) d. Give stats on the effects on humans (how many people died/ where hurt?) e. What were any long-term impacts on the area? f. Provide at least 2 pictures
	50	<b>4. Outline a Preparedness/Survival Plan</b> a. How would you prepare (think about proper building codes, supplies to have on hand)? b. In the even of this disaster give a plan for evacuation; 1. What would you bring? 2. Where would you go? 3. What would be your route? c. If you weren't able to evacuate in time what would you do? d. Describe how a community can make the area safer in the future.
	20	<b>5. Bibliography</b> e. Provide sources of <u>all</u> your information (textbooks, websites)
	20	<b>6. Present your project in digital form</b>
	200	<b>Total</b>