# Extreme Weather

Assignment:

Your job is to educate us on extreme weather events. To do this, you will need to create an informative interactive presentation (video, powerpoint, prezi, etc).

You need to include the following criteria in your presentation:

* What is it?
* How does it form?
* Where, when and why it occurs? Is there a severity scale? If so, how does it work?
* How can we predict when it will happen?
* What are some of the worst ones in the past 20 years? What happened?
* Effects of Weather system on people? Environment? Ecosystem?
* Emergency preparation required?
* How does it connect with our big ideas of climate (Pressure, Temperature, Heat transfer)?
* Interesting facts?

Due Date: Tuesday, May 29th at the beginning of class.

Rubric on back.

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| Severe Weather Project | | | | |
|  | Incomplete 1pts | Poor 2 pts | Good 3pts | Excellent 4pts |
| Description of Severe Weather Phenomenon  \*1. What it is?  \*2. Where it occurs?  \*3. When it occurs?  \*4. Why it occurs?  \* 5. How can we predict it will happen?  \*6. Severity scale | -describes their weather phenomenon briefly with little evidence of research (less than 3 of the 6 descriptors) | -describes their weather phenomenon using 3 of the 6 descriptors | -adequately describes their weather phenomenon using 5 of the 6 descriptors | -effectively describes their weather phenomenon using all 6 descriptors |
| Effects of the Weather Phenomenon  \*1. On people  \*2. On the Environment  \*3. On Ecosystem | -explains only 1 of the three effects of their weather phenomenon | -explains 2 of the 3 effects of their weather phenomenon in detail | -explains all 3 of the effects of their weather phenomenon in detail | -effectively explains all 3 effects of their weather phenomenon in SPECIFIC detail |
| Safety Procedures  1. Why is it important to be prepared?  2. How are you to be prepared? | -no safety procedures were described using words or illustrations | -some safety procedures (1-2 examples) were described using words or illustrations | -some safety procedures (3-4 examples) were described using words or illustrations | -many safety procedures (5 or more) were described using words and illustrations |
| Mechanisms affecting Climate  Connection to pressure  Connection to temperature  Connection to heat transfer | - connects their weather phenomenon using 1 of 3 topics | - connects their weather phenomenon using 2 of 3 topics | -adequately connects their weather phenomenon using all 3 topics | -effectively connects their weather phenomenon using all 3 topics |
| Fun Facts/Stories  What interesting/unknown facts did you learn? | -no facts were provided about the weather phenomenon  OR  -no story was provided about the weather phenomenon | -one or two facts were provided about the weather phenomenon  OR  -one story was provided about the weather phenomenon | -three to four facts were provided about the weather phenomenon  OR  -one or two stories were provided about the weather phenomenon | -five or more facts were provided about the weather phenomenon  OR  -three or more stories were provided about the weather phenomenon |
| Appearance, Punctuation and Grammar | -the completed project was not neatly written and organized, and did not have any appropriate pictures or videos. There were many grammar and punctuation errors in the project. (5 or more) | -the completed project was neatly written and organized but was not successful at including appropriate pictures and/or videos. Project contained 3-4 punctuation and grammatical errors. | -the completed project was neatly written, organized and included some appropriate pictures and/or videos.  Project contained 1-2 punctuation and grammatical errors. | -The completed project was neatly written, organized and enhanced by appropriate pictures and/or videos. There was no punctuation or grammatical errors. |

/24