Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Track \_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_ Page \_\_\_\_\_\_\_\_\_\_

**Webquest – Severe Weather**

**Objective:** You will use suggested Internet sites plus reliable sites that you may find to research severe weather events. Record your answers in the spaces provided.

**Storm 1: Thunderstorms**

1. Use the following site to find information about thunderstorms.

<http://www.weatherforkids.org/thunderstorms.html>

<http://www.weatherwizkids.com/weather-thunderstorms.htm>

|  |  |  |  |
| --- | --- | --- | --- |
| **Definition** | **How do they form?** | **What are the dangers and damage?** | **Define Important Vocabulary** |
|  |  |  | **Lightning****Supercell****Flash flood** |

2. Watch this video of a hail storm in Arizona. <https://www.youtube.com/watch?v=DuMX9AM9BrE>

3. What damage did you see occur or imagine happened in the hail storm?

4. Watch this video of a flash flood in Australia. <https://www.youtube.com/watch?v=kYUpkPTcqPYhttps://www.youtube.com/watch?v=kYUpkPTcqPY>

5. Why do you think so many people die in flash floods based on what you saw in this video?

**Storm 2: Blizzard**

1. Use <http://kidshealth.org/en/kids/word-frostbite.html?ref=search> and <http://kidshealth.org/en/kids/hypothermia.html?ref=search> to compare and contrast ***frostbite*** and ***hypothermia***.

|  |  |  |
| --- | --- | --- |
| **Frostbite** | **Both** | **Hypothermia** |
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**Storm 3: Tornadoes**

1. Use the following site to find information about tornadoes.

<http://www.weatherwizkids.com/weather-tornado.htm>

|  |  |  |  |
| --- | --- | --- | --- |
| **Definition** | **How do they form?** | **What are the dangers and damage?** | **Define Important Vocabulary** |
|  |  |  |  **Fujita scale** |

2. View the National Geographic video on tornado formation at <http://video.nationalgeographic.com/video/101-videos/tornadoes-101> . What is the average time from a tornado warning until a tornado hits an area? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Storm 4: Hurricanes**

1. Use the following sites to find information on hurricanes.

<http://www.weatherwizkids.com/weather-hurricane.htm>

|  |  |  |  |
| --- | --- | --- | --- |
| **Definition** | **How do they form?** | **What are the dangers and damage?** | **Define Important Vocabulary** |
|  |  |  |  **Storm surge****Saffir-Simpson scale****Eye** |

2. Watch this video about Hurricane Sandy. <https://www.youtube.com/watch?v=bnY1Zwxei_whttps://www.youtube.com/watch?v=bnY1Zwxei_w>

3. What are specific types of damage you observed in the video? List at least 4.

**Optional: If you finish early, you may visit this site:**

Use the following simulator to aim a hurricane. <http://www.nhc.noaa.gov/outreach/games/movncane.htm>