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| Topic | Three important facts about each topic. |
| Hurricanes | 1. Formed over tropical oceans and it requires warm, moist air to form
2. The reason that some years have more hurricanes than others is because the ocean is warmer
3. Begins to die out when it moves over land, because it is not getting moisture
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| Cyclones/Typhoons | 1. Hurricanes are called typhoons in the western Pacific
2. Hurricanes that form over the Indian ocean are called Cyclones
3. If they form above the equator they spin counter clockwise, and if they form below the equator they spin clockwise
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| Floods | 1. Floods can be caused by hurricanes
2. Flash floods occur when the water rise and falls rapidly
3. Floods happen when water can no longer infiltrate into the ground
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| Severe Weather Safety – Hurricanes and Floods | 1. Important to find high ground
2. May need to evacuate
3. Have a disaster kit
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| Thunderstorms | 1. Intense weather systems that produce heavy rain, lightning and thunder.
2. Warm moist air and unstable atmosphere required to form thunderstorms.
3. Severe thunderstorms can produce hail, flash floods, high winds, and tornados
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**Severe Weather Project Notes Sheet**

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| Topic | Three important facts about each topic. |
| Thunder and Lightning | 1. Lightning is an electric discharge that happens between two surfaces such as between two clouds, or the cloud and the ground.
2. When lightning strikes energy is released
3. Lightning strikes first, causing the air to expand rapidly which causes the sound of thunder
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| Tornados | 1. Destructive rotating column of air that makes contact with the ground
2. You need winds moving in two different directions needed to form. (Mp Ct)
3. Occur in spring and early summer
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| Severe Weather Safety – Tornados and Thunderstorms | 1. A watch is when conditions are favorable for a tornado
2. A warning is when a tornado is spotted
3. Find shelter away from windows, preferably in the basement
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| Winter Storms | 1. White out conditions occur when visibility is reduced due to snow
2. Maritime polar cause severe winter storms
3. Winter storms can include ice storms and blizzards
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| Drought | 1. Unusually long period with little rainfall
2. The dustbowl was caused by a drought
3. Droughts lead to crop failure
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