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| Unit 5: Natural Hazards |
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PLATEAU VALLEY HIGH SCHOOL-GEOGRAPHY

Name:

Date:

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|  | **Colorado State Standard** | **Advanced** | **Proficient** | **Partially Proficient** | **Not Yet** |
| **2.2a** | **Apply geography skills to help investigate issues and justify possible resolutions involving people, places, and environments. Topics to include but not limited to how people prepare for and respond to natural hazards.** |  |  |  |  |

**Parts One-Three will be graded using the following rubric:**

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| **CATEGORY**  | **Exemplary 9/10**  | **Good 9/8**  | **Fair 8/7**  | **Needs****improvement****6 or Below**  | **Score/Comments** |
| **Predication and Warning Explanation**  | Student uses a credible source to fully and accurately answer and explain each question. Student has a strong grasp of disaster warning and prediction. | Student uses a credible source to answer each question, but further explanation is needed. Student has a decent grasp of disaster warning and prediction.  | Student uses a source that is not credible. Answers to questions are brief or inaccurate. Student lacks a grasp of disaster warning and prediction. | Student uses a source that is not credible. Student has little to no grasp of disaster warning and prediction. |  |
| **Assessment of Warning System**  | Student shows a full understanding of the warning system for this hazard. Student can accurately assess the successes and flaws of the warning system.  | Student shows an understanding of the warning system for this hazard. Student can assess the successes and flaws of the warning system.  | Student shows a basic understanding of the warning system for this hazard.  | Student lacks an understanding of the warning system for this hazard. |  |
| **Assessment of Response**  | Student shows a full understanding of the response system for this hazard. Student can accurately assess the successes and flaws of the response system.  | Student shows an understanding of the response system for this hazard. Student can reasonably assess the response system.  | Student shows a basic understanding of the response system for this hazard.  | Student lacks an understanding of the response system for this hazard. |  |

**Total: \_\_\_\_\_/30**

**Part One: Topic Selection**

**Choose one topic from the list below:**

1. **Tsunami**
2. **Volcano**
3. **Tornado**
4. **Hurricane**
5. **Earthquake**
6. **Forest fire**

**Part Two: Prediction, Preparation, and Warning Explanation**

**Search for information on how experts predict your natural disaster. You will need to locate a useful source, and then use it to answer the questions below.**

**Source:**

1. **How do experts study the Earth to see if/when disasters will strike?**
2. **What people, experts, or organizations make predictions about your disaster?**
3. **How do humans prepare for your natural hazard in everyday life?**
4. **What warning systems exist to warn people if your disaster is coming?**
5. **How long do residents have to react to warnings? Do you think this is an adequate amount of time to respond?**

**Part Three: Assessment of warning system**

1. **Research recent occurrences of your disaster. Choose one and get it approved by Miss Daniel. Record the location and date the disaster struck.**
2. **Assess the adequacy of the warning people were given before this disaster struck?**
3. **What was the short-term (immediate) damage?**
4. **What was the long-term damage?**

**Part Four: Assessment of response**

1. **How did the country respond to this disaster in the short-term?**
2. **How did the country respond to this disaster in the long-term?**
3. **How did the rest of the world respond to this disaster?**
4. **What else could or should have been done?**

**Part Five: Analysis**

**Option A:**

**Write a report (not an essay!) for the government of the country where your disaster occurred. In this report, you need to make three recommendations about ways the country could improve the preparation, warning system, short-term response, and long-term response to decrease the damage to humans, property, and the economy caused by the natural disaster you researched.**

**Option B:**

**Create a survival guide for a 5th grader who lives in an area where the natural disaster you researched could strike. Your guide will need to include preparation, warning system, short-term responses, and long-term responses, as well as additional ways the child could prepare. It will need to be interesting but also informative. This could be in the form of a brochure, book, or other idea (needs to be approved).**

**Option C:**

**Create and present a powerpoint presentation. It will need to give three recommendations about ways the country could improve the preparation, warning system, short-term response, and long-term response to decrease the damage to humans, property, and the economy caused by the natural disaster you researched.**

**Option D:**

**Create a diorama of what an appropriate disaster/emergency response scene would look like. You will need to include descriptions and explanations for each emergency feature. Dioramas must be creative, well thought-out, and accurate.**