**Year 8 Mid-Unit Assessment - Mark Scheme**

**Investigating Hurricane Harvey and Flooding in Texas in 2017**

**Knowledge:** To be able to describe and explain the cause, course and effects of Hurricane Harvey in 2017 and begin to question the impact of climate change on hurricane intensity and frequency.

**Understanding and Geographical Enquiry:** To be able to carry out a geographical enquiry by collecting analysing and evaluating a range of primary and secondary sources of evidence in order to reach a conclusion.

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| **Grade** | **Knowledge**  Contextual knowledge of locations, places and geographical features. | **Understanding**  Understanding the conditions, processes and interactions that explain features and distributions, patterns and changes over time and space. | **Geographical Enquiry**  The application of skills in observing, collecting, analysing, mapping and communicating geographical information. |
| **3** | Descriptions are factual and offer some key details.  I demonstrate that I know:   * about Tropical Storms and describe what effects they cause. * A few facts about Hurricane Harvey. | Understanding is demonstrated using some relevant examples but explanations are minimal.  demonstrate some understanding by briefly explaining:   * the effects of Tropical Storms. | Geographical enquiry (using maps, graphs and images) is carried out with some support.  I demonstrate that I can:   * plan elements of my own enquiry. * Include some illustrations. |
| **4** | Descriptions are accurate and include some supporting facts.  I demonstrate that I know:   * the causes of Tropical Storms, why they impact Houston. * the path and course of Hurricane Harvey and explain the effects it caused. | Understanding is demonstrated using relevant examples and explanations.  I demonstrate my understanding by explaining:   * how Tropical Storms happen. * that the effects of Tropical Storms can impact lots of different people in a community. | Geographical enquiries are carried out using a range of maps, graphs and images. Expression is accurate and explanations are clear.  I demonstrate that I can:   * suggest geographical questions. * use geographical skills to investigate those questions. * Use evidence in my investigation. |
| **5** | Descriptions are accurate and include a good level of supporting facts.  I demonstrate that I know:   * the causes of Tropical Storms, why they impact Houston. * the path and course of Hurricane Harvey and can explain the effects it caused. | Understanding is demonstrated through a range of relevant examples and explanations.  I demonstrate my understanding by explaining in detail:   * how Tropical Storms happen. * how the effects of Tropical Storms can impact lots of different people in a community. * how climate change might have an impact on the effects of Tropical Storms. | Geographical enquiries are carried out using a range of maps, graphs, interviews and images. Expression is clear and explanations are effective.  I demonstrate that I can:   * suggest relevant geographical questions. * use a range of evidence * design methods of data collection. * use a range of geographical terms. * use a range of maps, graphs and images accurately. |
| **6** | Descriptions are accurate and detailed and include supporting facts and statistics.  I demonstrate that I know:   * the causes of Tropical Storms, why they impact Houston and can explain what effects they cause. * The path and course of Hurricane Harvey and can fully explain the effects it caused. | Understanding is demonstrated through a wide range of relevant and detailed examples and explanations.  I demonstrate my understanding by fully explaining:   * why Tropical Storms threaten Houston and why Houston is vulnerable to flooding. * the link between population density and income disparity and the vulnerability of the community. * how climate change might have an impact on the effects of Tropical Storms. | Geographical enquiries are carried out using a range of maps, graphs, interviews and images accurately. Expression is clear and explanations are effective and detailed.  I demonstrate that I can:   * identify, plan and carry out an independent enquiry. * use a wide range of primary and secondary evidence. * analyse evidence and draw clear conclusions * present my findings in a clear and detailed way, using appropriate methods, illustrations and geographical terms. |
| **7** | Descriptions are accurate and detailed and include many supporting facts and statistics.  I demonstrate that I know:   * the causes of Tropical Storms, why they impact Houston and can explain in depth and detail what effects they cause. * the path and course of Hurricane Harvey and can explain in depth and detail the effects it caused. | Understanding is demonstrated through an extensive range of relevant and highly-detailed examples and explanations.  I demonstrate my understanding by explaining in depth and detail:   * why Tropical Storms threaten Houston and why Houston is vulnerable to flooding. * the link between population density and income disparity and the vulnerability of the community. * the potential impact of climate change on the frequency and intensity of Tropical Storms. | Geographical enquiries are accurately carried out using a range of maps, graphs, interviews and images. Expression is clear and explanations are effective.  I demonstrate that I can:   * identify, plan and carry out an independent enquiry. * use a wide range of complex data to help me investigate geographical questions. * use a wide range of reliable primary & secondary evidence. * analyse evidence and draw conclusions * present my findings in a clear and detailed way using appropriate methods, illustrations and geographical terms. |