**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.
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| **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.
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| **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.
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| **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.
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| **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.
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