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| Year 9 | **Topic: Weather and Climate**  **Period:** Autumn 1 |
| **Overview of topic:**  This unit is designed to enable pupils to meet the requirements of the KS3 National Curriculum to:  *‘* understand the physical processes that cause our weather systems at a local, national and global scale. Pupils will also evaluate the impacts of weather on our communities and the effects it can have at an economic, social and environmental level.  The use of a case study will allow the pupils to apply their knowledge of weather systems, coastal environments and the impacts of weather on human lives” | |
| **Key** **knowledge:**   * Weather forecasts * Factors that affect climate * Different types of rainfall * How air masses affect the climate * Climate graphs * High and low pressure * Tropical storms   **Key vocabulary:**   |  |  | | --- | --- | | **Tier 2** | **Tier 3** | | **Climate**  **Graphs**  **Hazards**  **Weather forecast** | Climate  **Climate change**  **Climate hazards**  **High pressure**  **Latitude**  **Longitude**  **Low pressure**  **Precipitation**  **Synoptic charts**  **Weather** | | **Key skills:**  Interpreting different types of graphs  ***Know how to…***  Categorise different impacts – social, economic, environmental, long-term, short-term.  Explain why climate hazards impact on different types of countries in different ways.  Apply knowledge from a case study to answer a question. |
| **Co-curricular opportunities: *(ASPIRE Day, Careers, clubs, competitions etc)*** | **Key reading skills taught *(clarify, question, summarise, predict)* and key texts:**  **Skimming**  **Scanning**  **Reading for gist**  **Highlighting**  **Wider Reading Opportunities/Links:** |
| **How can I use this information at home?**   * Conversation starters with your children to discuss their learning * Support your child in carrying out independent research around the topic * Visit your local library (or BorrowBox), museums, or other locations to explore the topic * Promote books/other texts that explore this topic (see reading section) * Help your child to learn the key vocabulary | |