

High Tunstall College of Science Curriculum Intent

Subject: Geography Year: 10 Half term: 1

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| **10.1.2: THE CHALLENGE OF NATURAL HAZARDS:**  **Climate Change** | | | | | |
| **Big Concepts/Golden Nuggets**  **Scale, Place, Interconnection, Change, Environment** | **Filters**  Social, Economic, Environmental | **Tools**  Numeracy &Literacy, Problem-solving, Spatial Awareness,  Self-management, Teamwork | | | |
| **Key ideas** | | | **Progress RAG** | | |
| **Climate change is the result of natural and human factors, and has a range of effects (CGP p15-17)** | | |  |  |  |
| **Managing climate change involves both mitigation (reducing causes) and adaptation (responding to change) (CGP p18)** | | |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Evidence for climate change** from the beginning of the Quaternary period to the present day. | Bell Task Retrieval Practice: Frayer Model: Quaternary  Starter: Climate Stripes  Info Source: CGP p15, GCSEPod  Main Task: Graph TEA  Practice Question: Flashcard 13  Plenary: iCon Remember | Climate change, Quaternary period. |
| **2** | **Possible causes of climate change**  Natural factors – orbital changes, volcanic activity and solar output  Human factors – use of fossil fuels, agriculture and deforestation. | Bell Task Retrieval Practice: Regular Recall  Starter: IDEAL Photo Analysis  Info Source: CGP p16, GCSEPod  Main Task: Rank & Explain  Practice Question: SAM1  Plenary: Triangle | Orbital changes |
| **3** | **Overview of the effects of climate change** on people and the environment. | Bell Task Retrieval Practice: Frayer Model: Coral Bleaching  Starter: 3T’s  Info Source: CGP p17, GCSEPod  Main Task: Impact Mapping  Practice Question: Flashcard 15  Plenary: Instagram |  |
| **4** | **Managing climate change**  Mitigation – alternative energy production, carbon capture, planting trees, international agreements | Bell Task Retrieval Practice: Regular Recall  Starter: 3T’s  Info Source: CGP p18, GCSEPod  Main Task: Teamwork on Teesside fact file  Practice Question: SAM2  Plenary: Noughts & Crosses | Mitigation |
| **5** | **Managing climate change**  Adaptation – change in agricultural systems, managing water supply, reducing risk from rising sea levels. | Bell Task Retrieval Practice: Triple Challenge  Starter: Think Like a Geographer  Info Source: CGP p18, GCSEPod  Main Task: Mitigation V Adaptation  Practice Question: Flashcard 16  Plenary: What is the Question? | Adaptation |
| **6** | **The Challenge of Natural Hazards end of unit assessment** | AQA 80351 paper |  |