

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: QuaternaryStarter: Climate StripesInfo Source: CGP p15, GCSEPodMain Task: Graph TEA Practice Question: Flashcard 13Plenary: 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 RecallStarter: IDEAL Photo AnalysisInfo Source: CGP p16, GCSEPodMain Task: Rank & Explain Practice Question: SAM1Plenary: Triangle | Orbital changes  |
| **3** | **Overview of the effects of climate change** on people and the environment. | Bell Task Retrieval Practice: Frayer Model: Coral BleachingStarter: 3T’sInfo Source: CGP p17, GCSEPodMain Task: Impact Mapping Practice Question: Flashcard 15Plenary: Instagram |  |
| **4** | **Managing climate change**Mitigation – alternative energy production, carbon capture, planting trees, international agreements  | Bell Task Retrieval Practice: Regular RecallStarter: 3T’sInfo Source: CGP p18, GCSEPodMain Task: Teamwork on Teesside fact file Practice Question: SAM2Plenary: 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 ChallengeStarter: Think Like a GeographerInfo Source: CGP p18, GCSEPodMain Task: Mitigation V AdaptationPractice Question: Flashcard 16Plenary: What is the Question? | Adaptation  |
| **6** | **The Challenge of Natural Hazards end of unit assessment** | AQA 80351 paper |  |