

High Tunstall College of Science Curriculum Intent

Subject: Geography Year: 10 Half term: 1

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| **10.1.1: THE CHALLENGE OF NATURAL HAZARDS:**  **Weather Hazards** | | | | | |
| **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** | | |
| **Global atmospheric circulation helps to determine patterns of weather and climate (CGP p9)** | | | **R** | **A** | **G** |
| **Tropical storms develop as a result of particular physical conditions (CGP p10)** | | |  |  |  |
| **Tropical storms have significant effects on people and the environment (CGP p11-12)** | | |  |  |  |
| **The UK is affected by a number of weather hazards (CGP p13)** | | |  |  |  |
| **Extreme weather events in the UK have impacts on human activity (CGP p14)** | | |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Global Atmospheric Circulation**  Global atmospheric circulation helps to determine patterns of weather and climate. | Bell Task Retrieval Practice:  Starter:  Info Source:  Main Task:  Practice Question:  Plenary: | Global atmospheric circulation. |
| **2** | **Tropical Storms 1**  Tropical storms develop as a result of particular physical conditions; Global distribution, sequence and formation of development. | Bell Task Retrieval Practice:  Starter:  Info Source:  Main Task:  Practice Question:  Plenary: | Tropical storm, hurricane, cyclone, typhoon, Coriolis effect |
| **3** | **Tropical Storms 2**  Tropical storms develop as a result of particular physical conditions; Structure and features of a tropical storm. | Bell Task Retrieval Practice:  Starter:  Info Source:  Main Task:  Practice Question:  Plenary: |  |
| **4** | **Case study of a tropical storm: Typhoon Haiyan**  Effects and responses. | Bell Task Retrieval Practice:  Starter:  Info Source:  Main Task:  Practice Question:  Plenary: | Immediate responses,  long term responses,  primary effects,  secondary effects, storm surge. |
| **5** | **Reducing the effects of tropical storms**  How monitoring, prediction, protection and planning can reduce the effects of tropical storms. | Bell Task Retrieval Practice:  Starter:  Info Source:  Main Task:  Practice Question:  Plenary: | Management strategies, monitoring, planning, prediction, protection. |
| **6** | **The UK is affected by a number of weather hazards**  An overview of the types of weather hazards experienced in the UK.  Evidence that weather is becoming more extreme in the UK. | Bell Task Retrieval Practice:  Starter:  Info Source:  Main Task:  Practice Question:  Plenary: | Extreme weather. |
| **7** | **Extreme weather events in the UK have impacts on human activity**  Example of a recent extreme weather event in the UK: **Beast from the East**   * causes * social, economic and environmental impacts * how management strategies can reduce risk | Bell Task Retrieval Practice:  Starter:  Info Source:  Main Task:  Practice Question:  Plenary: | Economic impact, environmental impact, social impact. |
| **8** | Retrieval & Review | Selection of revision & review activities of content covered in lessons 1-7. |  |