

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. |  |