

High Tunstall College of Science Curriculum Intent

Subject: Geography Year: 11 Half term: 2

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| **11.2.3: THE LIVING WORLD: Hot Deserts** |
| **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** |
| **Hot desert ecosystems have a range of distinctive characteristics. (CGP p30-31)** |  |  |  |
| **Development of hot desert environments creates opportunities and challenges. (CGP p32)** |  |  |  |
| **Areas on the fringe of hot deserts are at risk of desertification. (CGP p33)** |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | The physical characteristics of a hot desert. | Bell Task Retrieval Practice:Starter:Info Source:Main Task:Practice Question:Plenary:  | Hot desert |
| **2** | The interdependence of climate, water, soils, plants, animals and people. | Bell Task Retrieval Practice:Starter:Info Source:Main Task:Practice Question:Plenary:  |  |
| **3** | How plants and animals adapt to the physical conditions.  | Bell Task Retrieval Practice:Starter:Info Source:Main Task:Practice Question:Plenary:  |  |
| **4** | Issues related to biodiversity. | Bell Task Retrieval Practice:Starter:Info Source:Main Task:Practice Question:Plenary:  | Biodiversity |
| **5** | **A case study of the Sahara Desert to illustrate:** • development opportunities in hot desert environments: mineral extraction, energy, farming, tourism • challenges of developing hot desert environments: extreme temperatures, water supply, inaccessibility. | Bell Task Retrieval Practice:Starter:Info Source:Main Task:Practice Question:Plenary:  | Mineral extraction |
| **6** | Causes of desertification – climate change, population growth, removal of fuel wood, overgrazing, over-cultivation and soil erosion, mineral extraction, energy development, settlement, population growth  | Bell Task Retrieval Practice:Starter:Info Source:Main Task:Practice Question:Plenary:  | Over-cultivation, Overgrazing |
| **7** | Strategies used to reduce the risk of desertification – water and soil management, tree planting and use of appropriate technology. | Bell Task Retrieval Practice:Starter:Info Source:Main Task:Practice Question:Plenary:  | Appropriate technology, Desertification |
| **8** | **The Living World end of unit assessment** | AQA 80351 paper |  |