

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 |  |