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| **Unit 2 How does water shape our planet?** | **Unit Navigator** | | | | | |
| In this unit you will investigate water’s impact on the planet. The aims are as follows:  **LG1**: Knowledge  **LG2**: Application  **LG3**: Skills | Assessment Grades |  |  | | | |
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| **Theme** | **Learning Goals/Outcomes/Content** | | |  |  |  |
| 1. What is the hydrological (water) cycle? | **LG1:** To know & understand the key components of the hydrological cycle.  **LG2:** To apply the key components of the hydrological cycle to the concept of stores and transfers. | | |  |  |  |
| 2. What are the different types of Precipitation (rainfall)? | **LG1:** To know & understand the different types of precipitation (rainfall)  **LG2:** To apply the types of rainfall to the UK’s geography | | |  |  |  |
| 2. What is a river basin and how does it change from source to mouth? | **LG1:** To know the key features of a river basin and how the rivers long profile changes from source to mouth.  **LG2:** To apply river basin knowledge in relation to the River Severn’s long profile. | | |  |  |  |
| 3. What is a rivers work? | **LG1**: To know the processes of erosion, transportation and deposition. | | |  |  |  |
| 4. What is weathering? | **LG1:** To know the different processes of weathering.  **LG2:** To apply the processes and explain the formation of a v-shaped valley | | |  |  |  |
| 5. How does a river create a waterfall? | **LG2:** To apply knowledge of key processes to explain the formation of a waterfall. | | |  |  |  |
| 6. **Assessment** - Waterfall | **LG2:** To apply knowledge of key processes to explain the formation of a waterfall.  **LG3:** To use geographical annotation. | | |  |  |  |
| 7. What is a river meander? | **LG1:** To know the features of a river meander.  **LG2:** To apply river processes to explain the formation of a meander (and Oxbow lake) | | |  |  |  |
| 8. How can maps help us understand rivers? (P1) | **LG3:** To use 8 point compass to locate places on an OS map.  **LG3:** To interpret contour lines, layer shading on maps.  **LG3:** To use contour lines to draw a cross section. | | |  |  |  |
| 9. How can maps help us understand rivers? (P2) | **LG3:** To use 4 & 6 figure grid references.  **LG3:** To use scale when looking at OS maps.  **LG2:** To apply skills and prior understanding to analyse the long profile of River Severn. | | |  |  |  |
| 10. What happens to water when it reaches the ground? | **LG1:** To know the key concepts of (a) enquiry model (b) what surfaces create floods.  **LG2:** To apply prior knowledge of hydrological cycle and how this impacts flooding.  **LG3:** Fieldwork skills – enquiry model. | | |  |  |  |
| 11. What are the causes of flooding? | **LG1:** To know the physical and human causes of flooding. | | |  |  |  |
| 12. Flooding Case study Developed Country: Boscastle | **LG2:** To apply understanding of flooding in a developed country (Impacts & response)  **LG2/3:** To apply prior knowledge of map skills | | |  |  |  |
| 13. Flooding Case study Developing/Emerging country: Bangladesh | **LG2:** To apply understanding of flooding in a developing/emerging country (Impacts & response)  **LG2:** To apply the case studies to compare the impacts and responses. | | |  |  |  |
| 14. How can we stop the floods of Bangladesh? | **LG1:** To know the solutions used to control flooding in Bangladesh.  **LG2:** To apply understanding to evaluate the solutions.  **LG3**: Decision making skills | | |  |  |  |
| 15. **Assessment** | Assessment– End of unit exam (50 mins) Testing LG1, 2 & 3. | | |  |  |  |

**Links:**

LG1: Processes are vital in understanding how the landscape created and will support the coasts and geology units.

LG2: Application is a vital skill at GCSE, but also in understanding that both humans and physical processes have an impact on the landscape and vice-versa.

LG3: OS map skills are a Geographers favourite and will pop up again in both physical and human geography units.

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