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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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