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| <div>  <p> Llanelli Wetland Centre<br/> Guided Learning Sessions<br/> Curriculum Links<br/> Key Stage 3<br/> Science and Technology </p> </div> | Science and Technology: Progression steps 4-5                                                              |                                                                                                                       |                                                                                                                                                                  |                                                                                                                                                                         |                                                                                                |                                                                                                                           |                                                                                                                             |                                                                                  |                                                                                                                     |
|                                                                                                                                                                                                                                  | Progression step 4                                                                                         |                                                                                                                       |                                                                                                                                                                  |                                                                                                                                                                         | Progression step 5                                                                             |                                                                                                                           |                                                                                                                             |                                                                                  |                                                                                                                     |
|                                                                                                                                                                                                                                  | Being curious and searching for answers is essential to understanding and predicting phenomena             | The world around us is full of living things which depend on each other for survival                                  |                                                                                                                                                                  |                                                                                                                                                                         | Being curious and searching for answers is essential to understanding and predicting phenomena | The world around us is full of living things which depend on each other for survival                                      |                                                                                                                             |                                                                                  |                                                                                                                     |
|                                                                                                                                                                                                                                  | I can explain how the impact of our actions contribute to the changes in the environment and biodiversity. | I can describe the interdependence of organisms in ecosystems and explain how this affects their chances of survival. | I can explain how reproduction, mutations and the environment can lead to variation and adaptations within organisms which can affect their chances of survival. | I can explain the threats to the development and health of organisms and describe how the effects of these are reduced by natural defences, preventions and treatments. | I can evaluate contemporary issues that affect the planet and biodiversity.                    | I can explain how variation of organisms within a changing environment leads to natural selection which drives evolution. | I can explain how biological processes and control mechanisms enable organisms to function, develop, reproduce and survive. | I can evaluate the factors which affect the development and health of organisms. | I can explain how prevention and treatment can support natural defence systems and enhance the health of organisms. |
| Pond Explorers KS3                                                                                                                                                                                                               | ✓                                                                                                          | ✓                                                                                                                     | ✓                                                                                                                                                                | ✓                                                                                                                                                                       | ✓                                                                                              | ✓                                                                                                                         | ✓                                                                                                                           | ✓                                                                                | ✓                                                                                                                   |
| Environmental change in freshwater ecosystems KS3                                                                                                                                                                                | ✓                                                                                                          | ✓                                                                                                                     | ✓                                                                                                                                                                | ✓                                                                                                                                                                       | ✓                                                                                              | ✓                                                                                                                         | ✓                                                                                                                           | ✓                                                                                | ✓                                                                                                                   |
| The Migration Challenge KS3                                                                                                                                                                                                      | ✓                                                                                                          | ✓                                                                                                                     |                                                                                                                                                                  | ✓                                                                                                                                                                       | ✓                                                                                              | ✓                                                                                                                         |                                                                                                                             | ✓                                                                                | ✓                                                                                                                   |
| Bird Adaptations KS3                                                                                                                                                                                                             |                                                                                                            |                                                                                                                       | ✓                                                                                                                                                                | ✓                                                                                                                                                                       |                                                                                                | ✓                                                                                                                         | ✓                                                                                                                           | ✓                                                                                |                                                                                                                     |
| Ready for take off KS3                                                                                                                                                                                                           |                                                                                                            |                                                                                                                       | ✓                                                                                                                                                                | ✓                                                                                                                                                                       |                                                                                                | ✓                                                                                                                         | ✓                                                                                                                           | ✓                                                                                |                                                                                                                     |
| Bird Researchers KS3                                                                                                                                                                                                             | ✓                                                                                                          | ✓                                                                                                                     | ✓                                                                                                                                                                | ✓                                                                                                                                                                       |                                                                                                |                                                                                                                           |                                                                                                                             | ✓                                                                                |                                                                                                                     |
| Invertebrate Safari KS3                                                                                                                                                                                                          | ✓                                                                                                          | ✓                                                                                                                     | ✓                                                                                                                                                                | ✓                                                                                                                                                                       | ✓                                                                                              | ✓                                                                                                                         | ✓                                                                                                                           | ✓                                                                                | ✓                                                                                                                   |
| Climate Change Champions KS3                                                                                                                                                                                                     | ✓                                                                                                          | ✓                                                                                                                     |                                                                                                                                                                  | ✓                                                                                                                                                                       | ✓                                                                                              | ✓                                                                                                                         |                                                                                                                             | ✓                                                                                | ✓                                                                                                                   |
| Plastic Planet KS3                                                                                                                                                                                                               | ✓                                                                                                          | ✓                                                                                                                     |                                                                                                                                                                  | ✓                                                                                                                                                                       | ✓                                                                                              |                                                                                                                           |                                                                                                                             | ✓                                                                                |                                                                                                                     |
| Guided Bird Walk KS3                                                                                                                                                                                                             | ✓                                                                                                          | ✓                                                                                                                     | ✓                                                                                                                                                                | ✓                                                                                                                                                                       | ✓                                                                                              |                                                                                                                           | ✓                                                                                                                           | ✓                                                                                | ✓                                                                                                                   |

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| <div></div> <div>Llanelli Wetland Centre</div> <div>Guided Learning Sessions</div> <div>Curriculum Links</div> <div>Key Stage 3</div> <div>Humanities</div> | Humanities: Progression steps 4-5                                                                                                             |                                                                                                                             |                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |                                                                                                                                                                        |                                                                                                                                                                           |                                                                                                                                                   |                                                                                                                                                                                              |                                                                                                                                                                                                        |                                                                                                                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                |                                                                                                                                     |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                              | Progression step 4                                                                                                                            |                                                                                                                             |                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |                                                                                                                                                                        |                                                                                                                                                                           |                                                                                                                                                   | Progression step 5                                                                                                                                                                           |                                                                                                                                                                                                        |                                                                                                                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                |                                                                                                                                     |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                              | Our natural world is diverse and dynamic, influenced by processes and human actions                                                           |                                                                                                                             |                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |                                                                                                                                                                        |                                                                                                                                                                           | Informed, self-aware citizens engage with the challenges and opportunities that face humanity, and are able to take considered and ethical action |                                                                                                                                                                                              | Our natural world is diverse and dynamic, influenced by processes and human actions                                                                                                                    |                                                                                                                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                |                                                                                                                                     | Informed, self-aware citizens engage with the challenges and opportunities that face humanity, and are able to take considered and ethical action                                                                                                          |                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                              | I can understand and explain how human actions affect the physical processes that shape places, spaces, environments and landforms over time. | I can understand and explain the range of factors that affect the interrelationships between humans and physical processes. | I can understand and explain how significant places, spaces environments and landforms in the natural world are associated with economic, historical, political, and religious and non-religious beliefs and practices. | I can describe and explain the distinctive features of places, spaces and landscapes at a variety of scales, in my locality and in Wales, as well as in the wider world, along with the processes at work in them. | I can describe and explain why spatial patterns of places, environments and landforms may change over time in my locality and in Wales, as well as in the wider world. | I can describe and explain how places, spaces, environments and landforms have changed over time and outline the processes that cause these changes in the natural world. | I have an understanding of my own and others’ environmental, economic and social responsibilities in creating a sustainable future.               | I can analyse and explain the impact of decisions made by individuals, local, national or global governance, and non-governmental organisations on people, their rights and the environment. | I can explain and analyse the wide range of interrelationships and interdependencies between the human actions and physical processes that shape places, spaces, environments and landforms over time. | I can evaluate the extent to which economic, social, political, cultural, religious and non-religious beliefs, practices and actions have led to changes to the natural world. | I can give comprehensive explanations for the distinctive features of places, spaces and landscapes at a variety of scales in my locality and in Wales, as well as in the wider world, along with the processes at work in them. | I can give comprehensive explanations for the spatial patterns of places, environments and landforms at a range of scales and predict how patterns and trends may continue or change in the future in my locality and in Wales, as well as in the wider world. | I can give comprehensive explanations and analysis of how and why places, spaces, environments and landforms have changed over time | I have built a detailed understanding of what it is to be an ethical, informed citizen and can critically evaluate my role as one, recognising my responsibilities and those of others towards society, the environment and creating a sustainable future. | I can explain the importance of the role played by groups, governments, businesses and non-governmental organisations in the creation of a sustainable future, and how they impact on people and their rights and on the environment. |
| Pond Explorers<br>KS3                                                                                                                                                                                                                        | ✓                                                                                                                                             |                                                                                                                             |                                                                                                                                                                                                                         | ✓                                                                                                                                                                                                                  | ✓                                                                                                                                                                      | ✓                                                                                                                                                                         |                                                                                                                                                   |                                                                                                                                                                                              | ✓                                                                                                                                                                                                      |                                                                                                                                                                                | ✓                                                                                                                                                                                                                                | ✓                                                                                                                                                                                                                                                              | ✓                                                                                                                                   |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
| Environmental change in freshwater ecosystems<br>KS3                                                                                                                                                                                         | ✓                                                                                                                                             |                                                                                                                             |                                                                                                                                                                                                                         | ✓                                                                                                                                                                                                                  | ✓                                                                                                                                                                      | ✓                                                                                                                                                                         |                                                                                                                                                   |                                                                                                                                                                                              | ✓                                                                                                                                                                                                      |                                                                                                                                                                                | ✓                                                                                                                                                                                                                                | ✓                                                                                                                                                                                                                                                              | ✓                                                                                                                                   |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
| The Migration Challenge<br>KS3                                                                                                                                                                                                               | ✓                                                                                                                                             |                                                                                                                             |                                                                                                                                                                                                                         | ✓                                                                                                                                                                                                                  | ✓                                                                                                                                                                      | ✓                                                                                                                                                                         |                                                                                                                                                   | ✓                                                                                                                                                                                            | ✓                                                                                                                                                                                                      |                                                                                                                                                                                | ✓                                                                                                                                                                                                                                | ✓                                                                                                                                                                                                                                                              | ✓                                                                                                                                   |                                                                                                                                                                                                                                                            | ✓                                                                                                                                                                                                                                     |
| Bird Adaptations<br>KS3                                                                                                                                                                                                                      |                                                                                                                                               |                                                                                                                             |                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |                                                                                                                                                                        |                                                                                                                                                                           |                                                                                                                                                   |                                                                                                                                                                                              |                                                                                                                                                                                                        |                                                                                                                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                |                                                                                                                                     |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
| Ready for take off<br>KS3                                                                                                                                                                                                                    |                                                                                                                                               |                                                                                                                             |                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |                                                                                                                                                                        |                                                                                                                                                                           |                                                                                                                                                   |                                                                                                                                                                                              |                                                                                                                                                                                                        |                                                                                                                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                |                                                                                                                                     |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
| Bird Researchers<br>KS3                                                                                                                                                                                                                      |                                                                                                                                               |                                                                                                                             |                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |                                                                                                                                                                        | ✓                                                                                                                                                                         |                                                                                                                                                   |                                                                                                                                                                                              |                                                                                                                                                                                                        |                                                                                                                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                | ✓                                                                                                                                   |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
| Invertebrate Safari<br>KS3                                                                                                                                                                                                                   | ✓                                                                                                                                             |                                                                                                                             |                                                                                                                                                                                                                         | ✓                                                                                                                                                                                                                  | ✓                                                                                                                                                                      | ✓                                                                                                                                                                         |                                                                                                                                                   |                                                                                                                                                                                              | ✓                                                                                                                                                                                                      |                                                                                                                                                                                | ✓                                                                                                                                                                                                                                | ✓                                                                                                                                                                                                                                                              | ✓                                                                                                                                   |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                       |
| Climate Change Champions<br>KS3                                                                                                                                                                                                              | ✓                                                                                                                                             | ✓                                                                                                                           |                                                                                                                                                                                                                         | ✓                                                                                                                                                                                                                  | ✓                                                                                                                                                                      | ✓                                                                                                                                                                         | ✓                                                                                                                                                 | ✓                                                                                                                                                                                            | ✓                                                                                                                                                                                                      | ✓                                                                                                                                                                              | ✓                                                                                                                                                                                                                                | ✓                                                                                                                                                                                                                                                              | ✓                                                                                                                                   | ✓                                                                                                                                                                                                                                                          | ✓                                                                                                                                                                                                                                     |
| Plastic Planet<br>KS3                                                                                                                                                                                                                        | ✓                                                                                                                                             | ✓                                                                                                                           |                                                                                                                                                                                                                         |                                                                                                                                                                                                                    | ✓                                                                                                                                                                      | ✓                                                                                                                                                                         | ✓                                                                                                                                                 | ✓                                                                                                                                                                                            | ✓                                                                                                                                                                                                      | ✓                                                                                                                                                                              | ✓                                                                                                                                                                                                                                | ✓                                                                                                                                                                                                                                                              | ✓                                                                                                                                   | ✓                                                                                                                                                                                                                                                          | ✓                                                                                                                                                                                                                                     |
| Guided Bird Walk<br>KS3                                                                                                                                                                                                                      | ✓                                                                                                                                             | ✓                                                                                                                           |                                                                                                                                                                                                                         | ✓                                                                                                                                                                                                                  | ✓                                                                                                                                                                      | ✓                                                                                                                                                                         |                                                                                                                                                   | ✓                                                                                                                                                                                            | ✓                                                                                                                                                                                                      |                                                                                                                                                                                | ✓                                                                                                                                                                                                                                | ✓                                                                                                                                                                                                                                                              | ✓                                                                                                                                   |                                                                                                                                                                                                                                                            | ✓                                                                                                                                                                                                                                     |