



Llanelli Wetland Centre

Guided Learning Sessions

Curriculum Links

Key Stage 3

Science and Technology

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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Curriculum Links

Key Stage 3

Humanities

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 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	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓		✓