



Pathway - 2,3,4

Year - 8

Term - Spring (Climate Change and Fragile Environments)

Learning Intention:

Students are given an overview of the meaning of the term climate and how it is influenced by location. Students will study how climate change is impacting our world.

Students will also look at different environments and how they are affected.

Key knowledge that should be learned during this SoW

All

Most

Some

Concept:

The Earth has had many tropical climates and ice ages over the billions of years that it's been in existence, so why is now so different? Well, this is because for the last 150 years human activity has meant we're releasing a huge amount of harmful gases into the Earth's atmosphere, and records show that the global temperatures are rising more rapidly since this time.

Students study why the climate is changing and how it can be prevented.

Students understand how they can care for their own environment.

Knowledge:

- The meaning of climate change.
- Research the different energy sources.
- To discover different ways that we can recycle plastic.

- The impact climate change has on our world.
- Why the climate is changing.
- To decide the positive and negatives of each energy source.
- To be able to come up with

- Understanding the Greenhouse Gases.
- To describe the impact of using too much plastic has on the environment.
- Understand the impact

	<ul style="list-style-type: none"> • To be able to conduct a survey and use the information to help me answer a question. • To understand the term 'water wise'. • Pupils to answer questions based on endangered animals. 	different ways that they can help the environment.	deforestation has on animals.
Key Skills:	Students will be able to identify what is happening to the earth over time and why sea levels are rising.	Students understand why the earth is getting warmer over time and the effect it has on the ice.	Students to identify how to prevent the climate from changing.
Language and/or communication skills:	Weather, Flooding, Ice, Storm, Sea Level, plastic.	Climate change, Greenhouse gases, Environment, Recycle.	Drought, Atmosphere, Global Warming, deforestation.
Curricular Links	Science - Earth, Climate, Greenhouse Gases. PSHE - Our Environment.		

Cross curricular matrix: interlinked learning. What do they need to know / be taught in one subject to allow them to access learning in another?

Subject / Year	Science	Maths	PE
7			

8	Human body		
9			
10		Equations	Muscles / Skeleton
11			
12	Chemistry GCSE molarity		
13			
14			

Talking points

Implementation

Impact