AoLE: Humanities	Subject: Geography	Year: 8

Big Question / Aim / Objective / Concept	Vision (Proposed outcome) / Purpose of curriculum	Prior knowledge / Learners previous knowledge
How does the weather and climate influence me?	The Big Question investigates what weather is and how it has an impact on our daily lives – our clothes, food, travel, work and leisure activities. Pupils will look at the specialist instruments used to measure the weather and how data collected at different locations can be used to create weather maps. Pupils will investigate the difference between weather and climate. Pupils will use data to draw and interpret climate graphs. Pupils will investigate the factors which can help create a microclimate and apply this knowledge to fieldwork opportunities within the school grounds.	Water cycle Graph skills - SALUTE

What does progression look like in this 'Big Question'

Progression Indicator	Description of learning (What matters statements)	Student evidence of progression (Blooms) / Knowledge
Excelling	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 understand and explain the range of factors that affect the interrelationships between humans and physical processes. I can give comprehensive explanations and analysis of how and why places, spaces, environments and landforms have changed over time.	Analyse and interpret data from a climate graph accurately. Compare and contrast different months. Predict and justify the key factor that affects climate. Apply the concept of microclimates to a given location. Judge which factors are more influential and justify your reasoning. Offer suggestions along with an explanation as to how microclimates can be controlled by human interaction.
Advancing	I can understand and explain how human actions affect the physical processes that shape places, spaces, environments and landforms over time. I can describe and give simple explanations about the impact that physical processes have had on people, places and landscapes in the past and present. 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 how places, spaces, environments and landforms have changed over time and outline the processes that cause these changes in the natural world.	Describe and explain in detail using tier 3 terminology 3 types of rainfall Explain how a specific weather measuring method works. Explain why certain pressure systems cause different weather conditions. Manipulate data from a climate graph and start to interpret the data. Describe and explain in detail using tier 3 terminology one factor that can affect climate. Explain in detail using tier 3 terminology how different factors can cause a microclimate.
Securing	I can describe and give simple explanations about the impact of human actions on the natural world in the past and present. I can locate and give simple explanations for the distinctive features of places, spaces and landforms in my locality and in Wales, as well as in the wider world. I can give simple descriptions of the processes that lead to change in the natural	Describe and briefly explain 3 types of rainfall Apply units of measurement to different weathering measuring apparatus Categorise weather conditions into high or low pressure Draw an accurate climate graph using the SALUTE method and manipulate data. Describe and briefly explain one factor that can affect climate. Explain how different factors can cause a microclimate.

	world.	
Beginning	I can describe how people and the natural world may impact on each other. I can describe how and where some places and environments are similar, and others are different. I can recognise the distinctive features of places, environments and landforms, and how these may change.	Identify the 3 different types of rainfall A basic explanation to why it rains Identify different ways to measure the weather Match statements to a weather convection cell Draw a climate graph. Identify different factors that can affect climate. Identify different factors that can cause a microclimate.

Authentic learning experiences (Local / National / International)	Skills (Literacy / Numeracy / DCF) / Cross Curricular links
Learning experiences: Pupils use team working skills to investigate microclimates within the school grounds. Pupils will be applying their knowledge of microclimates to determine the best position for a new seating area at SDHS. **Local links:** Investigate microclimates within the school grounds. **International links:** Investigate how different factors can determine the climate over different countries across the globe.	**Literacy:** Use oracy skills to present one factor that can affect climate. Use tier 3 vocabulary to describe and explain weather processes. Analyse and interpret information from a graph. Summarise knowledge linked to microclimates and apply to a local context **Numeracy:** Draw a climate graph applying SALUTE to ensure graph accuracy. Manipulate climate graph data using mean, median, mode and range. Interpet, analyse, compare and contrast climate graph data.

Assessment (How will we know that students have learnt what we taught them)	
Formative Assessment: Close procedure task linked to different types of rainfall. Match correct weather apparatus information and data to a table. Match statements to a weather convection cell. Explain how a certain type of air pressure can affect the weather. Draw a climate graph using a template and graph paper - apply SALUTE Manipulate data from a climate graph. Analyse, interpret, compare and contrast information from a climate graph. Identify and explain and different factors can affect a climate graph.	**Summative assessment:** Draw a climate change using SALUTE. Manipulate data from a climate graph to accurately work out the mean, median, mode and range. Analyse, interpret, compare and contrast information from a climate graph.

Evaluation

Strengths	Areas for Development	Pupil Voice