

Ravens Wood School

KS4 Curriculum Plan

Subject:

Changing UK landscapes: Geology

Overarching Topic: Geology

Why is this topic being studied at this time? How does it fit into the wider subject curriculum?	The geology of the world we live in determines some of the most important problems we face – energy, water, climate change, natural hazards and settlements. The teaching of geology encourages a deeper caring about the earth and a fascination in the natural world which the GCSE course encapsulates and encourages. This is a key physical geography topic this will link to the study of many other elements of the course. Geology dictates rivers and coastal landscape which enables students to have a firm understanding as they progress through the GCSE course.		
	Essential	Core	Ambitious
The Big Questions (What questions will students be able to answer upon mastery of the topic?)	- What are the different rock types the UK has? - What is the distribution of these rock types? - How do the characteristics of these rock types differ? - How do I identify the location of a settlement? - What are the basic map symbols?	- What are key examples of the different rock types in the UK? - How has geology and past tectonic processes formed different upland and lowland landscapes? - How has the interaction of physical processes defined UK landscape? - How do U shaped valleys, ribbon lakes and scree slopes form? - How do clints and grykes form? - What has been the effect of human activity on landscapes?	- Why is there geological variations within the UK? - How does different types of weathering effect landscapes? - Evaluate the effects of human activity on landscapes
The Key Skills/ Techniques	The sophistication and application of skills will become more advanced as students' progress through the essential, core and ambitious knowledge		
	Skill/Technique	How will this skill be developed?	

	1. Explanation using geographical processes and terminology	Students will use their understanding of different rock types to explain, including using diagrams, how key landforms are created.
	2. Map skills	Using maps, identify different locations of case studies. As well as, simple geological cross sections show geology and relief.
	3. Evaluation	Students will understand the different effects of human activity on landscapes and will rank these in terms of importance.