



The curriculum for this stage of students' education has been designed to develop an understanding of the physical environment both in the UK and at a global scale. Students will develop an appreciation for how physical processes have shaped the way we live and the need to maintain the delicate balance between human activity and the natural world. The aim is that students develop the ability to interpret and analyse a wide range of data to appreciate the different ways people are affected by physical changes to the environment in order to increase their level of sensitivity to the plight of others.

<p>HALF TERM 1 ECOSYSTEMS, BIODIVERSITY AND MANAGEMENT STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • Where the world's major ecosystems located and how they provide resources for people. • Tropical rainforest - characteristics, adaptations, impact of climate change and the goods and services it provides. • The social and economic factors that have led to deforestation in the rainforest and how the rainforest can be managed more sustainably. • Deciduous woodland - characteristics, adaptations, impact of climate change, its goods and services, human activities have impacted deciduous woodland and sustainable management. • Case study of the New Forest <p>HOW THIS WILL BE ASSESSED:</p> <ul style="list-style-type: none"> • A formal assessment of GCSE Knowledge Paper 1 	<p>HALF TERM 2 WEATHER HAZARDS AND CLIMATE CHANGE STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • The features of global atmospheric systems. • How and why climate has change in the past. • Impact of climate change on people and the environment. • UK climate today and over the last 1000 years. • The spatial variation in the temperature, wind and rainfall of the UK. • Tropical cyclones - formation, characteristics, frequency and distribution. • Tropical cyclone - case studies of impacts and responses • Drought - The physical and human causes of drought • Drought - cases studies of impacts and responses <p>HOW THIS WILL BE ASSESSED:</p> <p>A formal assessment of GCSE Knowledge Paper 1</p>	<p>HALF TERM 3 COASTAL LANDSCAPES AND PROCESSES STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • How physical processes interact to shape coastal landscapes. • How human activities can lead to changes in coastal landscapes which affect people and the environment. • How distinctive coastal landscapes are the outcome of the interaction between physical and human processes. <p>HOW THIS WILL BE ASSESSED:</p> <p>A formal assessment with a focus on application of case studies in extended response questions.</p>
<p>HALF TERM 4 RIVER LANDSCAPES AND PROCESSES STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • How physical processes interact to shape river landscapes. • How erosion and deposition interacting with geology create distinctive landforms in river landscapes. • How human activities lead to changes in river landscapes. • How distinctive river landscapes are the outcome of the interaction between physical and human processes. <p>HOW THIS WILL BE ASSESSED:</p> <p>A formal assessment with a focus on interpretation of maps and diagrams.</p>	<p>HALF TERM 5 CHANGING LANDSCAPES OF THE UK STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • There are geological variations in the UK. • How physical and human processes make distinctive landscapes incorporating the following skills. <p>GEOGRAPHICAL INVESTIGATIONS: UK CHALLENGES STUDENTS MUST KNOW:</p> <ol style="list-style-type: none"> 1. Approaches to conservation in UK National Parks. 2. Approaches to managing coastal and river flooding. 3. Impact of climate change on the future of the UK's climate. 4. Impact of climate change on UK people and the landscapes. 5. The range of responses to climate change in the UK <p>HOW THIS WILL BE ASSESSED:</p> <p>A formal assessment with a focus on analysing management techniques</p>	<p>HALF TERM 6 GEOGRAPHICAL INVESTIGATIONS STUDENTS MUST KNOW:</p> <p>River landscapes - investigation of change in the river channel through fieldwork.</p> <p>Including: -</p> <ul style="list-style-type: none"> • Formulating enquiry questions. • Fieldwork methods and techniques including one quantitative and one qualitative technique. • Secondary sources of data. <p>HOW THIS WILL BE ASSESSED:</p> <p>A formal assessment of GCSE skills Paper 3 with a focus on analysing fieldwork techniques, problem solving and interpreting data.</p>

Embedding this knowledge can be supported at home by using the online resources such as www.s-cool.co.uk. To consolidate knowledge learnt in lessons wider reading of newspapers or viewing news reports will further deepen understanding of the impact of changes to our environment, flooding and challenges to the UK landscape.