

Curriculum Plan Overview

Subject: Geography
Year Group - 10

Term	Topic	Learning	How can parents' best support
Autumn Term 1	How ecosystems Function	<ul style="list-style-type: none"> • What is the relationship between climate and biomes at a global scale? • Focus on semi-arid grasslands in Africa. • Focus on the UK's ecosystem – temperate deciduous woodland • What physical processes and interactions operate within the ecosystem? E.g nutrient cycle, food webs. • How are small scale ecosystems in the UK used and managed? Focus on Formby . 	Encourage your child to be using BBC bite size to revise the content studied in class and the VLE learning pages on Firefly. Ask them to explain what a biome is (large ecosystem) and tell you about the semi-arid grasslands in Africa and deciduous woodland in the UK. If you can take them to Formby National Trust site and look at how visitors use the area and are damaging it; is it being managed effectively – discuss all these points with your daughter. Encourage them to make revision cards for all the key content points after each lesson/week and quiz them once made. Especially the more demanding content on nutrient cycles and key characteristics of the ecosystems.
Assessment:	<u>8 mark extended higher level question (1 lesson and 1 homework)</u>		
Autumn Term 2	Ecosystems under threat	<ul style="list-style-type: none"> • How are ecosystems used by people? • Focus on the tropical rainforests and a detailed look at Virunga National Park in Africa. • Focus on the threat to Rhinos in Africa. • How are ecosystems damaged by human activity? • Why and how are ecosystems managed in a sustainable way? 	Encourage your daughter to watch the news and read newspaper articles with a focus on ecosystems at risk and under threat. Especially the Tropical rainforests around the World. Talk to your daughter about the pressure we are putting on natural ecosystems e.g. the coral reef in Australia. As a family watch the film “Virunga” on Netflix (if possible) and discuss the impacts. Continue to encourage your daughter to start making revision flash cards on content that we cover in class.
Assessment:	<u>Ecosystems sample assessment material paper (40 minutes)</u>		
Spring Term 1	Rivers and river management	<ul style="list-style-type: none"> • How do people and processes contribute to the development of distinctive river landscapes in the UK? • Focus on V-shape valleys, meanders, ox-bow lakes and meanders. • Why do rivers flood and what are the consequences of flooding? 	Encourage your daughter to be using BBC bite size to revise the content studied in class, in addition to the resources uploaded onto the Firefly VLE pages. Ask them to explain the key processes and landforms found along a river. Watch the news and read newspapers with your daughters that focus on the impact of

		<ul style="list-style-type: none"> • Focus on the physical and human causes of flooding in countries at different stages of development – Bangladesh and the UK. • How can rivers be managed to reduce the risk of flooding? • Why is the river flood management often controversial? • Flood hydrographs 	<p>flooding on different groups of people in the UK e.g. Cumbria, Lake District. Make revision flash cards for key content, especially on the different landforms and effects and causes of flooding.</p>
Assessment:	<u>Rivers and flooding sample assessment material paper (35 minutes)</u>		
Spring Term 2	Water resources & management and Desertification	<ul style="list-style-type: none"> • Why does supply and demand for water vary over time and space? • What happens when demand for water exceeds supply? • What are the challenges of managing water supplies? • What are the physical processes operating in hot semi-arid regions that make them vulnerable to desertification? • To what extent does human activity contribute to the problem of desertification? • How can environments vulnerable to desertification be managed? 	<p>Encourage your child to do some extra research and read current ideas on water management and why it can cause different problems in countries at different levels of development. As a family discuss how you can all reduce your water usage and what your family bills for water are.</p> <p>Research the idea of desertification with your daughter, she will have covered this idea in an earlier topic and ask her what she remembers about it. Look at photos of it together on the internet and read about the amazing “Great Green Wall” together. The ideas and concepts in this topic can be challenging and your daughter should make revision cards after every lesson for these two topics.</p>
Assessment	<u>Year 10 Mock Exam: Paper 2 Problem Solving Exam – 1 hour 45 minutes</u>		
Summer Term 1 and 2	Field work Enquiry	<p>The study of one methodological fieldwork approach which can include:</p> <ul style="list-style-type: none"> • Use of transects • Change over time • Qualitative surveys • Change over time 	<p>Your daughter will be required to attend 1 full day’s fieldwork. Please encourage her to return the reply slip and ask her about when and where the trip is. She will be expected to collect primary data and investigate a hypothesis set in class. This section of the course will be examined in the third exam and there is a heavy emphasis on numeracy and maths, your daughter may require additional help and support with this. For example, she is expected to understand and work out Spearman’s rank – talk to her about this.</p>
Assessment	<u>Skills and fieldwork question – self assessment in class</u>		

