

### **Links to the Syllabus:**

The lesson resources and activities created are aimed at GCSE level students. They are suitable for a number of specifications being taught. These links are discussed below:

Lessons will be focused on three main areas of the Edexcel A Specification. Firstly, 'Challenges for the planet' topic, which is part of Unit 1. This unit allows students to study human's exploitation and management of various areas likely to be most influenced by changes in climate.

Secondly on students fieldwork skills in two areas of the curriculum; the 'Geographical Skills' section, which combined with the 'Challenges for the planet' topic aforementioned forms an examination accounting for 25% of a student's final mark. This looks at students ability to apply their knowledge of fieldwork in terms of research, analysing data, deciding on the most appropriate data collection techniques for a particular study, as well as the most appropriate data presentation techniques; the controlled assessment which is the students own fieldwork study, worth 25% of their final GCSE mark.

In addition the lessons and activities are particularly suitable for use by those teaching Unit 1: Large Scale Dynamic Planet. '*Human activities degrading and destroying marine ecosystem on a global scale, e.g. coral reefs*' of the Edexcel B Specification.

They also fit in well with Theme 9 Living Things. '*Identification and analysis of human impact on one located ecosystem to demonstrate the way it is being used e.g. fishing*' of the WJEC specification A and partially to OCR Geography B, Theme 4 Economic Development.

Finally the tasks have a literacy focus, with use of key terms and developing writing styles to suit a number of different activities e.g. answering exam questions, analysing and concluding in controlled assessments etc. As well as through extracting information from a variety of different resources. Speaking and listening is covered in the questioning and discussion as well as within the presentation activity of the extension task. These areas are of particular significance with the recent addition of 4 marks for the quality of Spelling, Punctuation and Grammar (SPaG) across subjects.

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Exam Specification	Key ideas	Specific Content
<p>Edexcel A</p> <p><b>Unit 1: Challenges for the Planet</b></p>	<p><i>'The negative effects that climate change is having on the environment and people, including changing patterns of crop yields, rising sea levels and retreating glaciers, on a local and global scale.'</i></p>	<p><i>'A variety of effects should be studied through examples at a local and global scale; this includes the study of impact on food production, the threat to areas at sea level, including small islands and the threat to marine environments, such as coral reefs.'</i></p>
<p>Edexcel B</p> <p><b>Unit 1: Large Scale Dynamic Planet</b></p> <p>7.1 How and why are some eco-systems threatened with destruction?</p> <p>7.2 How should eco-systems be managed sustainably?</p>	<p><i>'Human activities degrading and destroying marine ecosystem on a global scale, e.g. coral reefs'</i></p> <p><i>'Sustainable management is needed locally and globally if the oceans are to be protected from further degradation.'</i></p>	<p><i>'Investigate the global pattern of either coral reefs or mangrove swamps, and how it has changed in the past 50 years.'</i></p> <p><i>Examine the global threats to this marine eco-system to explain its changed distribution through human activities including overfishing, pollution and waste disposal from both land and ocean sources, tourism and coastal development.'</i></p> <p><i>'Assess the role of global actions to maintain ocean health, e.g. the International Convention for the Prevention of Pollution from Ships (MARPOL) and Marine Protected Areas.'</i></p>

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<p>WJEC specification A <b>Theme 9: Living Things</b></p> <p>How are ecosystems managed?</p>	<p><i>'In ways do people use ecosystems?'</i></p>	<p><i>'Identification and analysis of human impact on one located ecosystem to demonstrate the way it is being used e.g. fishing'</i></p>
<p>OCR GCSE Geography B <b>Theme 4: Economic development</b></p>	<p><i>'How different economic activities can affect the physical environment.'</i></p> <p><i>'The conflicts that develop between responsibilities for the physical environment and the need for development.'</i></p> <p><i>Managing these effects sustainably.</i></p> <p><i>The causes, effects and responses to global climate change at a variety of scales.'</i></p>	<p><i>'A range of ways to show how economic activities affect the physical environment.'</i></p> <p><i>'Use of GIS, new technologies and satellite images to analyse economic activity and environmental conflict and areas where this is occurring.'</i></p> <p><i>The need to balance the environmental concerns and the need for economic development.</i></p> <p><i>A case study of a specific development where conflicts exist between economic development and environmental damage.'</i></p>