



Programme of Study – Year 10 Subject –IGCSE Environmental Management (CIE-0680)

	Theme	Overview of key learning to take place	How learning will be assessed
Term 1	<p>Unit 1: Rock and minerals and their exploitation</p> <p>Unit 2: Energy and the environment</p> <p>Unit 3: Agriculture and the environment</p>	<p>Key Topic 1:</p> <ul style="list-style-type: none"> I can identify and explain the formation of igneous, sedimentary and metamorphic rocks I can analyse the different methods rock extraction I can create a mind map outlining the different ways humans use rock minerals I can validate the strategies for landscape restoration I can examine strategies for sustainable use of rocks and minerals <p>Key Topic 2: Energy and the environment</p> <ul style="list-style-type: none"> I can explain how fossil fuels are formed I can outline energy resources and generation of electricity I can analysis the factors affecting energy demand I can justify conservation and management of energy sources I can review the impact and management of marine oil pollution <p>Key Topic 3: Agriculture and the environment</p> <ul style="list-style-type: none"> I can identify soil composition I can link what makes soils suitable for plant growth I can categorise different types of agriculture I can collaborate techniques used to increase agricultural yield I can criticize the impact of agricultural practices 	<p>Formative Assessment: There will be 1 Formative Assessments per term. Grades are not given for these pieces of work as the focus is on supporting students to make improvements to future pieces of work.</p> <p>EXAMPLES OF FORMATIVE ASSESSMENT TASKS, WHICH WILL BE USED THIS TERM IN END OF UNIT TESTS: Reading comprehension Listening comprehension (in MFL) Gap-fill with key details Writing task in style required for examination Creative writing task Presentation Produce a video Multiple choice activity (which requires challenge, not obvious answers) Pear deck Padlet Collaboration spaces</p> <p>Summative Assessments: There will be two End of Unit Summative Assessment in the first half term. The other Summative Assessment will be the End of Term Exams, which will take place in the</p>

		<ul style="list-style-type: none"> • I can summarise the causes, impacts and management of soil erosion • I can interpret strategies for sustainable agriculture 	<p>second half of November. This will be in the style of the final exams and will cover all topics.</p>
Term 2	<p>Unit 3: Agriculture and the environment</p> <p>Unit 4 : Water and its management</p>	<p>Key Topic 1: The impact of agriculture on people and the environment</p> <ul style="list-style-type: none"> • I can discuss the impact agriculture has on people and the environment • I can differentiate between the advantages and disadvantages of different types of fertiliser • I can provide a detailed explanation of the causes and effects of soil erosion • I can categorise the methods to reduce soil erosion • I can integrate an approach for sustainable agriculture <p>Key Topic 2: Water and its management</p> <ul style="list-style-type: none"> • I can outline the distribution of water on Earth • I can create a model of the water cycle • I can provide a detailed account why humans need water • I can discuss the availability of safe drinking water around the world • I can evaluate the use of multipurpose dam projects • I can describe water-related diseases • I can identify sources, impact and the management of water pollution 	<p>Formative Assessment: There will be one Formative Assessments per term. Grades are not given for these pieces of work as the focus is on supporting students to make improvements to future pieces of work</p> <p>EXAMPLES OF FORMATIVE ASSESSMENT TASKS, WHICH WILL BE USED THIS TERM IN END OF UNIT TESTS: Reading comprehension Listening comprehension (in MFL) Gap-fill with key details Writing task in style required for examination Creative writing task Presentation Produce a video Multiple choice activity (which requires challenge, not obvious answers) Pear deck Padlet Collaboration spaces</p> <p>Summative Assessments: There will be two End of Unit Summative Assessment</p> <p>Summative Assessments: There will be two summative assessments. Mock Exams to take place in the second half of February. These will be in the style of the final exams and will cover all topics.</p>

Unit 5: Oceans and fisheries

Unit 6: Managing natural hazards

Unit 7: The atmosphere and human activity

Key Topic 1: Oceans and fisheries

- I can identify the resource potential of the oceans
- I can analyse the distribution of marine fisheries
- I can describe the ocean currents of the world
- I can explain the effects of the El Nino Southern Oscillation
- I can compare and contrast how fishing has affected fish population and fisheries
- I can differentiate between the relationship of farming marine species and the farming industry
- I can identify a variety of strategies that can help to manage the fishing industry

Key Topic 2: Managing natural hazards

- I can define a natural hazard
- I can identify the causes of earthquake and volcanic eruptions
- I can outline the causes of a tropical cyclone
- I can tabulate between the causes of floods and droughts
- I can summarise the impacts of natural hazards
- I can investigate the strategies to manage the impact of natural hazards
- I can explore opportunities presented by natural hazards

Key Topic 3: The atmosphere and human activity

- I can investigate the structure and composition of the atmosphere
- I can explore the atmospheric pollution and its causes
- I can identify the impact of atmospheric pollution
- I can explore opportunities to manage atmospheric pollution

Formative Assessment:

There will be 1 Formative Assessments per term. Grades are not given for these pieces of work as the focus is on supporting students to make improvements to future pieces of work. Ongoing Formative and Summative assessments will take place as required in line with revision programme and to address emerging topics from the Mock Exams.

EXAMPLES OF FORMATIVE ASSESSMENT TASKS, WHICH WILL BE USED THIS TERM IN END OF UNIT TESTS:

Reading comprehension

Listening comprehension (in MFL)

Gap-fill with key details

Writing task in style required for examination

Creative writing task

Presentation

Produce a video

Multiple choice activity (which requires challenge, not obvious answers)

Pear deck

Padlet

Collaboration spaces

Summative Assessments: There will be two End of Unit Summative Assessment CIE Questions

Summative assessment: Students will do Marked Past Paper questions.

Assessments will be written and based on IGCSE Exam format

