

IGCSE Environmental Management

One year Intensive Course 2025



Environmental Management (EM) is the study of environmental processes and systems and how to manage the influences of human activity on these systems. We consider the benefits humans get from 'nature', the impacts of humans on their environment and how to manage these impacts more sustainably.

This syllabus covers a broad range of interesting topics from the natural world that are accessible and relevant to students and is therefore ideal for those starting their secondary-level education, those with an interest in the natural world or the sciences, or those wishing to complement other studies with a better understanding of global systems

Key course information

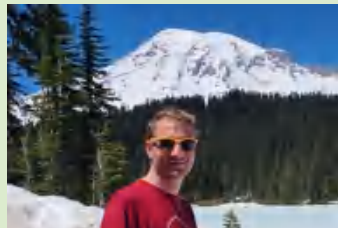
Course length:	12 month course (46 lessons)
Lesson length:	1hr 30 mins (inc five minute break)
Lesson times:	Mondays 2pm-3.30pm OR Tuesdays 9am-10.30am
Start Date:	Monday 2 th June 2025 OR Tuesday 3 rd June 2025
Finish Date:	Monday 25 th May 2026 OR Tuesday 26 th May 2026
Course price:	£30/month for 12 months or £360 (full course)
Class size:	Maximum 12 students
Qualification type:	International GCSE (IGCSE)
Exam board:	Cambridge
Course code:	0680
Assessment:	Written assessment 2 x 1 hour 30 min papers

Environmental management units of study

Unit 1: Rocks, minerals and their exploitation	The formation of rocks and minerals, the importance of minerals for humans and the methods and impacts of mining
Unit 2: Energy and the environment	Methods of generating energy and electricity. Comparing energy generation methods and managing energy use.
Unit 3: Agriculture and the environment	Farming systems, the importance of soils, methods of increasing agriculture production and their environmental impacts
Unit 4: Water and its management	The water cycle, the importance of water for humans, water treatment, management and the risks of water-borne diseases
Unit 5: Oceans and fisheries	Ocean processes and resources, fishing methods and the sustainable management of ocean resources
Unit 6: Managing natural hazards	Explosions! Natural hazards including storms, earthquakes and volcanoes. How hazards occur and how to manage them.
Unit 7: Atmosphere and human activities	Composition of the atmosphere and how humans can influence atmospheric processes including climate change, acid rain, smog and the ozone layer.
Unit 8: Human population	Changes in human populations over time and the effect on societies. Managing population size and resource use.
Unit 9: Natural ecosystems and human activities	Main principles of ecosystems including food chains, habitats and biological interactions. Field techniques and methods of measuring and preserving biodiversity.

Your tutor

- I'm Damian and I teach all the classes at Earthlings Learning.
- I began my career in education teaching English as a foreign language, where I taught students of all ages and abilities for ten years in various different countries in Asia and Europe.
- As a life-long nature lover I combined my passions by completing an MSc in Environmental Management in 2018 and started off Earthlings in 2021 to help bring this knowledge and enthusiasm to other people who want to learn about it.
- I'm an amateur ecologist and general nature nerd, a member of the British Ecological Society and participate when I can in various awesome local nature-related projects.
- I enjoy all sorts of weird and wacky natural things and host classes with an informed but informal enthusiastic style. I like to travel to see some of the things we talk about in class first-hand and bring these experiences to the classroom.



General Course Information

All lessons are held online via Zoom.

This course is designed as a complete programme for students to sit the IGCSE Environmental Management exam but also works for those just wanting to learn more about the planet or prepare for an exam at a later date.

Homework is generally given every two weeks although there is some variation. While homework isn't mandatory but it's really important for consolidating knowledge and helping me assess progress. Failure to complete homework may result in a lower grade.

There are a range of partial and full mock exams throughout the course, with work on exam skills including work with graphs and answering essay-style questions

Special Education Needs are more than welcome! We're all different and have different learning styles. Having ADHD myself I understand some of the challenges this can create and I try to accommodate different learning styles wherever possible.

CONTENT WARNING - As a GCSE this course is designed for students aged 14 and over.

Younger students are welcome but there is some mature content in this course.

We look at natural disasters, the agriculture system and ecosystems, which have their fair share of death and destruction! We also discuss human population dynamics so there is some discussion of human reproduction and contraception. We deal with these topics in a fairly lighthearted and impartial manner but sensitive students should be aware of this.

Holidays and paternal leave

The course runs throughout term time but there are three holidays built into the course:

- 1) One week during April
- 2) One week during August
- 3) Two weeks over Christmas and New Year

Exact dates will be released at the start of the course.

Paternal leave

- My partner and I are expecting our first child at the end of May 2025 so to help us through this exciting new chapter two weeks of paternal leave have been built into the course.
- As the baby is likely to turn-up when it likes, it is difficult to precisely plan the dates for this so this is currently floating holiday that I will have to announce at the time.
- To minimise disruption to the course (especially as this may fall at the beginning of the course!) tasks will be set to keep the momentum up with learning.
- This will very likely fall during June but I appreciate your understanding in the need for some flexibility!



Further information

Required skills	<p>This IGCSE requires an interest in the world around us and the management of our environment and resources. The EM syllabus covers aspects of geography, sociology, chemistry and biology so everyone studying it has their own strengths and weaknesses. It doesn't require any prior knowledge but does require good literacy skills as well as some basic scientific and mathematical abilities.</p>
Required equipment	<ul style="list-style-type: none">• Students must have access to a camera and mic, even if they choose not to use them regularly and a printer to print off homework and exam papers.• All students must have a way of submitting completed homework. Full guidance on formatting and submitting homework can be found in the "Homework guidance" doc.• No further equipment is required although calculators should be used in the final exam.
Textbooks used	<p>There is one required textbook for this course:</p> <p>Cambridge IGCSE® and O Level Environmental Management Coursebook (Cambridge International IGCSE) (ISBN: 9781316634851)</p>
Additional study	<ul style="list-style-type: none">• Attending lessons and completing homework is sufficient to pass the course.• Additional study, including reading, watching documentaries and note-taking is extremely important for retaining knowledge and attaining higher grades.<ul style="list-style-type: none">• Approximately one hour's additional study per week is advised.• Flashcards can be very useful in remembering key terms!
How parents can help	<p>Please be ready to encourage your child to keep notes and ordered homework. Studying Environmental Management really benefits from additional study. This can include re-reading notes, re-watching recordings, drawing diagrams, reading news articles and watching related documentaries. Any opportunity to conduct small experiments and investigations to see these ideas in daily life and in the big wide world also goes a long way!</p>

Please contact Damian at: earthlings.learning@pm.me with any other questions