



Environmental Science A Level

What does the course involve?

We Study the AQA Environmental Science A Level

4 Lessons per week (1 hour 5 min each)

Minimum of 4 days in the field

Minimum of 12 practicals in the lab



Year 1

The Living Environment



Conservation of Biodiversity



Conditions for life on Earth



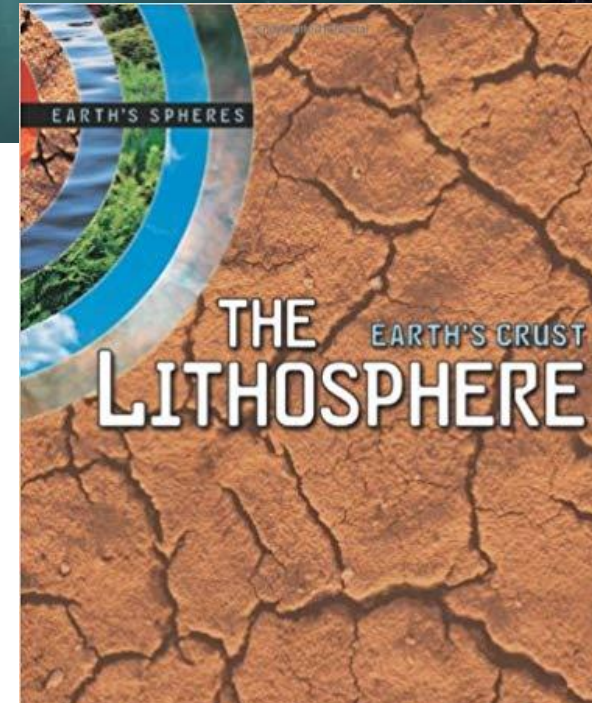
Adaptation and succession

The Physical Environment

The atmosphere



The hydrosphere



The Lithosphere



▲ A lion and keeper at Chester Zoo. Photograph: Peter Byrne/PA

Is it time to shut down the zoos?

Cruel or kind? Education and conservation are cited as reasons for keeping wild animals in captivity, but many critics say zoos are outdated relics of a less enlightened era. We hear what both sides say

Advertise

What issues do we look at when studying those topics?

Can aquaculture really take the pressure off capture fisheries?

FISH STOCKS FISHERIES

by Rob Fletcher
14 June 2021, at 6:59am

Claims that an increase in aquaculture production can reduce pressure on wild fish stocks are debatable, according to the results of a new study.

The burning question – air pollution and plastic waste

An estimated 381 million tonnes of plastic waste is produced globally each year. Many countries are left struggling to deal with this growing mountain of waste, particularly those in the Global South and so they are left with little option but to dump or burn it. *Environment Journal* investigates the air pollution impact of this.

The plastic problem

Plastic is a product that in many ways has revolutionised the way we live our lives. It has enabled supermarkets to offer a wide range of fresh produce and it has saved lives through the production of various medical devices.

However, over the past few decades our plastic production has skyrocketed, in 1950 the world produced an estimated 2 million tonnes of plastic per year. Since then, annual production has increased nearly 200-fold, reaching 381 million tonnes in 2020, that's nearly equivalent to the weight of the entire human population



Research Methods

One of the units is all about the use of lab and field equipment.

We learn how to use the equipment

We learn what makes a good research project.



Year 2

Energy resources



Pollution



Sustainability



Biological Resources



How is the A level Assessed?

2 Exams at the end of the second Year



Fieldwork opportunities



What grades do I need?

In the Sciences- 5 5

In English -5

In Maths – 5

If however you miss the grades in one of these subject areas, please come and find us at course confirmation to discuss.





What Can I do with Environmental Science?

Environmental Consultant

Environmental Law

Zoo Keeper

Oceanographer

Toxicologist

Marine Biologist

Biology Teacher



Here is an example of what skills, and areas environmental science covers. It also demonstrates its importance – *with thanks to Plymouth University*