



ENVIRONMENTAL STUDIES

GCSE TO A LEVEL

SUMMER ASSIGNMENT:

This is an exciting time to be studying A Level Environmental Science! The subject looks at a wide range of human activities affecting the Earth, and gives potential solutions to these.

Environmental Science builds on skills and knowledge gained from GCSE Science. Completing the following tasks will help you start the course feeling confident with the GCSE knowledge required to be successful. You will be able to research some of the issues impacting the planet, which we will learn about in more detail on the A Level course.

Please complete all the activities in preparation for the start of lessons in September.

Task 1

Consolidate your GCSE knowledge and prepare for A Level by completing the three tasks on Seneca learning.

You may have already used Seneca Learning during your GCSEs. If you already have an account, you can join the class with the code: lkfoqg3g31

Otherwise, follow the instructions below (the QR code is the easiest way to join!)



To join Neil's class: Environmental Science yr12

1. Go to the website:
app.senecalearning.com/join-class
2. Sign up as a student
3. Type in the class code: [lkfoqg3g31](#)

Or scan the QR code with your phone



Task 2

Select one of the topics below and use the internet to complete some research.

1. Deep sea mining for rare earth metals
2. Mining for lithium in the Atacama Desert
3. Oil extraction in the Niger Delta
4. Overexploitation of the Ganges River
5. Palm oil production in Malaysia
6. Gold mining in Congo
7. Mountain top removal in the USA
8. Deforestation of ancient forests in Poland

Use your research to produce a digital report that provides a summary of the issue.

This should include:

- The reason for the issue (the human need that has caused it)
- How the issue impacts on human populations
- How the issue impacts on biodiversity
- Potential solutions to solve the problems associated with the issue

Provide a full web address for any websites you used to find your information (copy them from the web address bar on your browser and paste them at the end of your report).



Your digital report should be in the form of:

- A short PowerPoint presentation or
- A Word document written account (around 500 words) – although try to also include some pictures

Any other form of digital presentation is also fine depending on the tools you have available.

Task 3

If you have access to Netflix, watch the documentary “A Life on Our Planet”

<https://www.netflix.com/title/80216393>

Make notes on:

- The ways in which the planet has changed over 100 years
- The main causes for these changes
- The impact on biodiversity
- The worst that could happen if we make no changes
- The things we can do to prevent this damage to our planet

These notes should be produced digitally in a format that you can easily show me.