

# Environmental science



Scan for Specification

Our two-year A-Level covers the theoretical aspects of sustainability, but also delves into the practical requirements used to monitor our natural environment.

## BEFORE YOU START

- Key textbook to purchase: AQA Environmental Science Textbook ISBN: 9781912190072
- Key Website: <https://www.field-studies-council.org/>

Please create a glossary of the following terms:

Sustainability  
Carbon neutral  
Renewable  
Afforestation  
Biodegradable  
Leachate  
Resource  
Biodiversity  
Genetic diversity  
Ex-situ conservation

- The environmental science course will build upon your previous scientific knowledge across both years. Your first task is to produce a booklet that covers the following content that you should already be familiar with.
- The effect of captive breeding on genetic diversity
- The carbon cycle.
- Common atmospheric pollutants and their source.
- Please include diagrams and images to help you to show your understanding.



### Conservation

#### Task 1

I need you to research what IUCN stands for and what are their roles in conservation

#### Task 2

Explain what the IUCN red list is and list the categories.  
Research an animal from the critically endangered category.  
Describe what are the threats that it faces and any conservation efforts trying to protect

Research what Biodiversity Net Gain (BNG) means and see how many careers you can find that are associated with this new and exciting piece of environmental legislation.