

**Curricular Area:** Science

**Course Title:** Environmental Science

### Course Description

Living Environment National 3

- What factors affect where organisms live?
- Why are plants so important?
- Potential impact of chemicals used to improve the world's food production.



Earth's Resources National 3 with the opportunity to experience some National 4 level work

- Renewable energy sources and their use on Scotland, benefits and potential problems
- Minerals, rocks and soils.

Sustainability National 3 with the opportunity to experience some National 4 level work

- What is climate change, what causes it, what consequences are there and can anything be done to manage its impact?

### Entry Requirements

There are no formal entry requirements for this course.

### Assessment


At National 3 and National 4 level students are assessed on their ability to make accurate statements, related to key areas of content and successfully perform solving problem skills, (in Key Area assessments), as well as their ability to plan, carry out and write up a practical investigation. Students will be applying skills of scientific enquiry throughout the course.

To achieve a National 4 award students also need to complete an Added Value Unit where they carry out an in-depth investigation or piece of research into an unfamiliar area of Environmental Science and then present their findings.


### Home Study Expectations

This can range from research to more extended pieces of work. Usually formal home study is issued every 2-3 weeks.

### Possible next level of study

National 3 Environmental Science  National 4 Environmental Science

National 4 Environmental Science  National 4 Biology or Chemistry or Physics

National 4 Environmental Science  National 5 Environmental Science or SCQF level 5 Skills for Work: Laboratory Science

**Wider Achievement Opportunities**

Learning will be consolidated by research projects, experiments, dissections, visiting lectures and trips.

**Possible career paths**

There are lots of career options including tackling issues such as global climate change, pollution, use of land and water resources and changes in wildlife habitats, e.g. ecologist, land surveyor, energy engineer, tree surgeon, waste plant manager.

For more information see: <https://nationalcareersservice.direct.gov.uk/job-profiles/environmental-sciences>