

Why Environmental Science

Environmental Science aims to produce responsible citizens, through studying relevant areas such as the living environment, the Earth's resources and sustainability

Course Outline

Environmental Science has three units:

1. Living environment
2. Sustainability
3. Earth's resources

Both Units 2 and 3 will be studied in a Scottish context

Environmental Science NATIONAL 4

Details of Course Components

Living Environment: In this unit you will:

- Develop your interest and enthusiasm for environmental science by studying: Interdependence, adaptation for survival, the impact of population growth and human impact on biodiversity, the nitrogen cycle and the environmental impact of fertilisers

Earth's resources: In this unit you will:

- Develop your interest and enthusiasm for environmental science by studying: Responsible use and conservation of non-renewable and renewable resources, formation and use of fossil fuels, derivation and uses of materials derived from crude oil, risks and benefits of different energy sources, including those produced from plants, the carbon cycle, processes involved in maintaining the balance of gases in the air, causes and implications of changes in the balance.

Sustainability: In this unit you will:

- Develop your interest and enthusiasm for environmental science by studying: sustainability of key natural resources and possible implications for human activity, the interaction between humans and the environment and the impact of human activity on an area, the role of agriculture in the production of food and raw material and its environmental impacts and sustainability, society's energy needs, impact of developments in transport infrastructure in a selected area and development of sustainable systems.

Added Value Unit.

- Research project completed in school and marked internally

ASSESSMENT

Items of work might include:

- practical work - such as experiments
- written work - research assignments and lab reports
- projects
- class-based exams.

You must pass all the units including the Added Value Unit to gain the course qualification.



FACULTY OF SCIENCE

Biology Staff :

Mr Alan Stickle, Miss Rowan Cannell,
Miss Sue Rodwell

Chemistry Staff:

Mr Stephen McNeil, Miss Kat Barnard,
Mrs Maryann Blakeborough

Physics Staff:

Mrs Abi Gibbon, Mr Steven Dempsey

Career Areas:

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Courses in Turriff Academy

National 4 Environmental Science
National 4 Chemistry
National 4 Physics
National 5 Biology
National 5 Chemistry
National 5 Physics
Higher Biology
Higher Chemistry
Higher Physics
Scientific Technologies NPA
Advanced Higher Biology
Advanced Higher Chemistry
Advanced Higher Physics

Useful websites to help you with your choices:

www.myworldofwork.co.uk
www.skillsdevelopmentscotland.co.uk

Further advice and information on these options is available from your subject teacher, Guidance teacher and careers adviser.