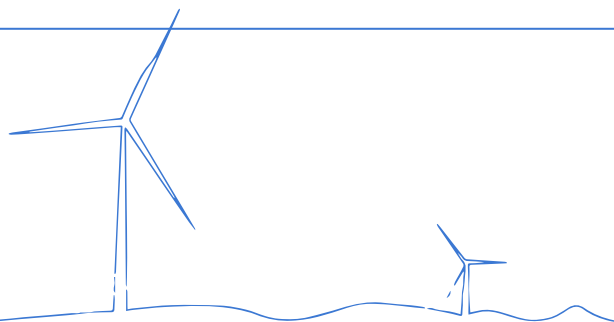


Environmental Science



About the course

The living environment

The conditions of planet Earth that allowed early life to develop and survive are explored as well as examining the importance of wildlife conservation.

The physical environment

Exploring the impact of human activities on physical processes in the atmosphere (climate change), hydrosphere (exploitation of water) and the lithosphere (geological resources)

Energy resources

Analysing the importance of energy resources past and future developments in society and evaluate the impact of future energy supply problems.

Pollution

The properties of pollutants, how environmental features affect the severity of pollution and the strategies to control pollutants are explored.

Biological resources

Investigating the challenges posed by the need to provide food and forest resources for a growing human population without damaging the plant's life support system.

Sustainability of environment

Exploring the effect of the changing availability of energy resources and the development of new technologies to deal with the economic factors and environmental concerns regarding energy.

There is emphasis on lab based practical's and fieldwork in the Environmental Science course as students are required to gain first hand experience of the methods used to investigate the environmental issues.

Students will complete a number of days of field work as well as lab based required practical's to develop transferable scientific practical skills in the same way as the other A level science courses.

Assessment

At the end of Year 13 students will complete 2 exams.

Paper 1 is a 3 hour Written Exam worth 50%

Paper 2 is a 3 hour Written Exam worth 50%

Each exam comprises of a combination of multiple choice, short answer and extended writing questions.

Careers

There are many diverse and exciting opportunities developing for those that wish to carry on studying environmental science beyond A level to degree level with a many universities offering Environmental Science as a degree in its own right as well as combining with other opportunities such as a Year in industry.

After university students could find themselves in a range of careers including environmental planning/research, environmental law, marine biologist, ecologist, horticulture, pollution control, conservation, water management and environmental engineering.

Entry Requirements

Minimum of grades of 6 5 in combined science, a 5 in higher maths and a 5 in either English language or literature.



Find Out More

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