



# Geology

**Course title** – A level Geology

**Exam board** - OCR

**Qualification title** - AS and A-level Geology

Specification link - <http://www.ocr.org.uk/qualifications/as-a-level-gce-geology-h014-h414-from-2017/>

## **Unit titles**

Module 1 – Development of practical skills in geology

Module 2 – Foundations in geology

Module 3 – Global tectonics

Module 4 – Interpreting the past

Module 5 – Petrology and economic geology (A Level only)

Module 6 – Geohazards (A Level only)

Module 7 – Basin analysis (A Level only)

**Unit descriptions** - A Level Geology will introduce you to the science which studies the whole Earth. It covers a range of real life geological contexts (e.g. geohazards in Britain and the evolution of flight) and the challenges that face contemporary geoscience. You will learn about geology in a range of different contexts. The course assumes no prior experience of geology but builds on GCSE science concepts that it applies to the study of the Earth to develop an understanding of concepts that have both an academic and practical application.

## **Entry requirements**

To be able to study geology at AS and A-level students must first have obtained at least two grade 6s in combined or separate science GCSE. A grade 6 in maths GCSE and a grade 5 in English Language are also required

**Possible progression routes** – Careers in geology could include:

Engineering (e.g. Chemical Engineering with Oil & Gas Technology, Civil Engineering, Environmental Engineering, Civil & Coastal Engineering, Engineering with Environmental Management, Engineering Geology & Geotechnics, Environmental Engineering, Geotechnics, Material Science, Mining Engineering, Petroleum Engineering, Petroleum and Gas Engineering.) Geology (e.g. Applied Geology, Archaeology, Earth Science, Environmental Geology, Environmental Science, Geoinformatics, Geological Hazards, Oceanography, Geophysics, Geology with Physical Geography, Palaeontology, Petroleum Geology, Petroleum Geoscience, Planetary Science, Resource Geology.) A range of wider sectors including Conservation & Countryside Management, Planning, Environmental Management, Environmental Studies, Forensic Science, Geography, International Development, Marine Science, Ocean Science, Soil Science, and Sustainable Development.

**Equipment required** – Basic stationary and a calculator. You will be loaned a text book for the duration of your study, and a revision guide is also available for purchase.

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