



Geology

One Year AS/Two Year A level.

Geology is the science and study of the Earth, its composition, structure, physical properties, history and the processes that shape it. Subjects studied include; earthquakes, volcanoes, plate tectonics, minerals; igneous, sedimentary and metamorphic rocks, palaeontology (fossils), economic geology and Earth history.

Requirements:

The College minimum to start an advanced level course is one grade B and four grade Cs at GCSE. Students wishing to undertake this course should ideally have a minimum C grade in GCSE Science and Mathematics. The student will also be expected to meet the Average Points Score for this subject.

This subject will focus on:

- earthquakes and volcanoes, plate tectonics, continental drift, earth structure, folds and faults;
- igneous, sedimentary and metamorphic rocks, minerals;
- applied geology – oil and gas, coal, metal ores, water supply, engineering geology;
- fossils; and
- geological skills including fieldwork.

You can expect to:

- develop and understand geological terms and concepts;
- study and handle a wide range of geological specimens;
- have the opportunity to attend fieldtrips both within Britain and elsewhere;
- develop the observational and recording skills required by geologists; and
- carry out an in-depth geological investigation.

Method of assessment:

Assessment is by coursework and examination.

Progression:

A variety of options will be open to you after completing this subject. You can apply for degree courses in Geology/Earth Science, Geophysics, Palaeobiology, Environmental Geoscience amongst others.

Other Information:

There will be a compulsory fieldtrip to Arran in March of the second year and an optional fieldtrip to Iceland at Easter.

Student Success at Havering Sixth Form College:

Rebecca Joseph (ex Emerson Park) said: "Geology at Alevel is the perfect blend of enjoyment and education." Rebecca is planning to study Geology at Portsmouth University. Dan Jobson (Ex Sawyers Hall) said: "Geology is an interesting subject that opens many doors

and offers a wide range of career opportunities." Dan is planning to study Applied Geology at Exeter University.

Geology has had a 100% pass rate at A Level for the last three years.