

The WJEC Eduqas A level in Geology provides a comprehensive coverage of the knowledge and understanding required for the study of the Earth, its structures, evolution and dynamics. The core aspects of this specification introduce eight geological concepts:

- elements, minerals and rocks
- surface and internal processes of the rock cycle
- time and change
- Earth structure and global tectonics
- rock forming processes
- rock deformation
- past life and past climates
- Earth materials and natural resources.

There are five themes which develop and apply the knowledge and understanding of the core content. These are:

- geohazards
- geological map applications
- Quaternary geology
- geological evolution of Britain
- geology of the lithosphere.

Learners following this specification are introduced to Key Ideas which provide a framework for study.

This specification encourages learners to:

- develop essential knowledge and understanding of different areas of geology and how they relate to each other, to include civil engineering, engineering geology, hydrogeology, mining geology and petroleum geology.
- develop through critical practice the skills, knowledge and understanding of scientific methods as applied in geology through a practical endorsement.
- develop competence and confidence in selecting, using and evaluating a range of quantitative and qualitative skills and approaches, (including observing, collecting and analysing geo-located field data, and investigative, mathematical and problem solving skills) and applying them as an integral part of their geological studies.
- understand how society makes decisions about geological issues and how geology contributes to the success of the economy and society.