



Geology

Bishop Stopford School

faith | justice | responsibility | truth | compassion

What is geology?

- Geology is the scientific study of the Earth and its history
- Provides crucial information on the nature of earth materials and processes
- Central to our understanding of the environment, raw materials and natural hazards such as earthquakes and volcanoes



Why might you consider Geology at A Level?

- You enjoyed the physical side of Geography
- You enjoyed parts the Earth Science elements of your science lessons
- You would like to continue with a science but don't feel you would like to study one of the traditional science subjects to a higher level
- You are looking for a totally new subject to follow

What will you cover?

Specification: OCR

YEAR 12		
MODULE 1	Development of practical skills in geology	Developed through Y12 and Y13 through practical work/fieldwork
MODULE 2	Foundations in geology	Minerals and rocks Fossils and time
MODULE 3	Global tectonics	Earth structure Plate tectonics Geological structures
MODULE 4	Interpreting the past	Sedimentary environments in time Geochronology

YEAR 13		
MODULE 1	Development of practical skills in geology	Developed through Y12 and Y13 through practical work/fieldwork
MODULE 5	Petrology and economic geology	Fluids and geological processes Igneous petrology Metamorphic petrology Mining geology
MODULE 6	Geohazards	Geohazards Engineering geology
MODULE 7	Basin analysis	Key concepts for basin analysis Basin analysis in practice



How will I be assessed?

- Examinations in Geology are all synoptic, meaning they cover all the content of the course
- Total of 6 hours of examinations
3 papers in total
- Wide range of question types which include multiple choice, short answer and extended response questions

Paper title	Marks available	Length	% of total A Level
Component 1 Fundamentals of geology	110	2 Hours 15 minutes Written paper	41
Component 2 Scientific literacy in geology	100	2 Hours 15 minutes Written paper	37
Component 3 Practical skills in geology	60	1 Hour 30 minutes Written paper	22
Component 4 Practical endorsement in geology	Non exam assessment	Completed throughout Y12 and Y13	



For further information please contact: Paul Starr (pstarr@bishopstopford.com) or Alice Baker (abaker@bishopstopford.com)