

Centre Qualification Grades 2022 Subject Specific Assessment Plan

Subject: Geology

WJEC adapted specification link:

AS: www.educas.co.uk/umbraco/surface/blobstorage/download?nodeId=37494

A2: www.educas.co.uk/umbraco/surface/blobstorage/download?nodeId=37493

AS Level

Assessment	Date	Assessment Detail	Time
1	05/01/2022	Hybrid of C1 and C2 Style	40 mins
2	23/03/2022	C1 Style: Investigative Geology. An investigation of the geology of an area shown on an accompanying simplified geological map. The component involves: <ul style="list-style-type: none"> • the interpretation of hand specimens and photographs of minerals, rocks and fossils • the interpretation of a geological map • the construction of a geological cross-section • the completion of data and stimulus response questions using short, structured and extended answers. 	1hr
3	08/06/2022	C2 Style: Foundation Geology. An assessment which covers all the AS Geology content. This component involves: <ul style="list-style-type: none"> • questions which require learners to respond to aspects of geology shown in photographs, maps, diagrams and graphs • the completion of data and stimulus response questions using multiple-choice, short, structured and extended answers. 	1hr 20mins

A Level

Assessment	Date	Assessment Detail	Time
1	10/01/2022	Hybrid of C2 - (Geological Principles and Processes) and C3 (Geological Application) <i>5 questions (including BGS mapping)</i>	1hr 30 mins
2	21/03/2022	C1: Geological Investigations. Full Paper (Basic Black and White Mapping)	2 hrs 15 mins
3	06/06/2022	Hybrid of C2 - (Geological Principles and Processes) and C3 (Geological Application) <i>8 questions</i>	2 hrs 15 mins

Gower College	AO1	AO2	AO3	Total
Assessment 1	5%	15%	5%	25%
Assessment 2	10%	15%	10%	35%
Assessment 3	20%	15%	5%	40%
Overall Weightings	35%	45%	20%	100

SUMMARY OF ASSESSMENT

Component 1: Geological Enquiries

Written examination: 1 hour 30 minutes

40% of qualification

An investigation of the geology of an area shown on an accompanying simplified geological map.

The component involves:

- the interpretation of hand specimens and photographs of minerals, rocks and fossils
- the interpretation of a geological map
- the construction of a geological cross-section
- the completion of data and stimulus response questions using short, structured and extended answers.

A mineral data sheet accompanies this assessment.

Component 2: Foundation Geology

Written examination: 1 hour 30 minutes

60% of qualification

An assessment which covers all the AS Geology content.

This component involves:

- questions which require learners to respond to aspects of geology shown in photographs, maps, diagrams and graphs
- the completion of data and stimulus response questions using multiple-choice, short, structured and extended answers.

A mineral data sheet may accompany this assessment on occasions.

3.1 Assessment objectives and weightings

Below are the assessment objectives for this specification. Learners must:

AO1

Demonstrate knowledge and understanding of geological ideas, skills and techniques

AO2

Apply knowledge and understanding of geological ideas, skills and techniques

AO3

Analyse, interpret and evaluate geological ideas, information and evidence, to make judgements, draw conclusions, and develop and refine practical design and procedures

The table below shows the weighting of each assessment objective for each component and for the qualification as a whole.

	AO1	AO2	AO3	Total
Component 1	7%	23%	10%	40%
Component 2	28%	22%	10%	60%
Overall weighting	35%	45%	20%	100%

For each series:

- The weighting for the assessment of mathematical skills will be a minimum of 10%.
- The weighting for the indirect assessment of practical skills and techniques will be a minimum of 15%.

The ability to select, organise and communicate information and ideas coherently using appropriate scientific conventions and vocabulary will be tested across the assessment objectives.

SUMMARY OF ASSESSMENT

Component 1: Geological Investigations Written examination: 2 hours 15 minutes 35% of qualification

Section A: Two stimulus response questions requiring short and structured answers.

Section B: An investigation of the geology of an area shown on an accompanying simplified geological map, involving

- the interpretation of hand specimens and photographs of minerals, rocks and fossils
- map interpretation and cross-section construction
- the completion of questions using short, structured and extended answers.

Component 2: Geological Principles and Processes Written examination: 1 hour 45 minutes 30% of qualification

Six stimulus response questions requiring short, structured and extended answers.

Component 3: Geological Applications Written examination: 2 hours 35% of qualification

Section A: **Geohazards**. Two stimulus response questions requiring short and structured answers.

Section B: **Geological map applications**. An investigation of the geology of an area shown on a Geological Survey map extract using stimulus response questions requiring short, structured and extended answers.

Section C: Learners answer questions on **one option** from a choice of three. Each comprises three questions requiring short, structured and extended answers.

- **Quaternary Geology**
- **Geological Evolution of Britain**
- **Geology of the Lithosphere**

Practical Endorsement Non-exam assessment

Assessment of practical competency

3.1 Assessment objectives and weightings

Below are the assessment objectives for this specification. Learners must:

AO1

Demonstrate knowledge and understanding of geological ideas, skills and techniques

AO2

Apply knowledge and understanding of geological ideas, skills and techniques

AO3

Analyse, interpret and evaluate geological ideas, information and evidence, to make judgements, draw conclusions, and develop and refine practical design and procedures

The table below shows the weighting of each assessment objective for each component and for the qualification as a whole.

	AO1	AO2	AO3	Total
Component 1	6.6%	16%	12.4%	35%
Component 2	9.7%	13%	7.3%	30%
Component 3	13.7%	13%	8.3%	35%
Overall weighting	30%	42%	28%	100%

For each series:

- The weighting for the assessment of mathematical skills will be a minimum of 10%.
- The weighting for the indirect assessment of practical skills will be a minimum of 15%.

The ability to select, organise and communicate information and ideas coherently

Gower College	AO1	AO2	AO3	Total
Assessment 1	4%	12%	8%	24%
Assessment 2	11%	15%	10%	36%
Assessment 3	15%	15%	10%	40%
Overall Weightings	30%	42%	28%	100%

A Level

Assessment	Date	Assessment Detail	Weighting	Time
1	10th Jan	Hybrid of C2(Geological Principles & Processes) & C3 (Geological Applications) <i>5 questions (including BGS mapping)</i>	25%	1 hr 30 mins
2	21st Mar	C1: Geological Investigations Full Paper (Basic Black and White Mapping)	37.5%	2 hr 15min
3	6th June	Hybrid of C2(Geological Principles & Processes) & C3 (Geological Applications) 8 Questions	37.5%	2hr 15mins