



GEOLOGY

Exam board is EDUQAS

A Level Geology SoW

<i>Topic 1 – F4</i> - Earth structure and global tectonics
<i>Topic 2 – F1</i> - Elements, minerals and rocks
<i>Topic 3 – S</i> edimentary Rocks
<i>Topic 4 – I</i> gneous Rocks
<i>Topic 5 – M</i> etamorphic Rocks
<i>Topic 6 – F3</i> - Time & change
End of year 1
<i>Topic 7 – G2</i> - Rock deformation
<i>Topic 8 – G3</i> - Past life and past climates
<i>Topic 9 - T3</i> Quaternary geology
<i>Topic 10 - G4</i> - Earth materials and natural resources
<i>Topic 11 - T1</i> - Geohazards

Overview of the A level = 3 exams

1 = Component 1: Geological Investigation. Practical examination with specimens and cross section map construction. Written examination: 2 hour 15 minutes. 35% of qualification

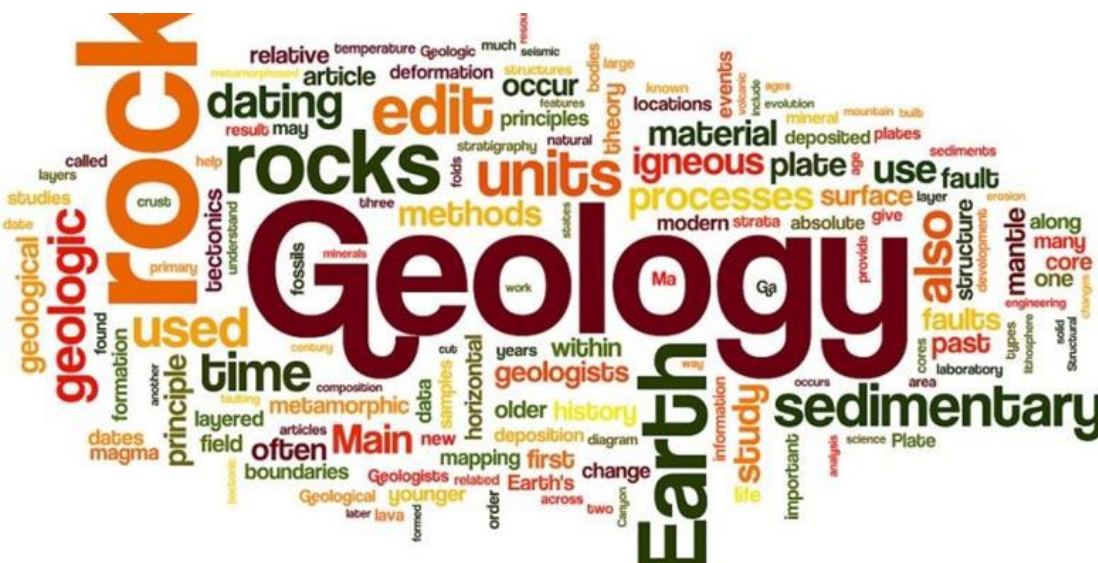
2 = Component 2: Geological Principles & Processes. Written examination: 1 hour 45 minutes. 30% of qualification. Wide range of questions all based around a resource (map, diagram, graph etc).

3 = Component 3: Geological Applications. Section A: Geohazards. Section B: Geological map applications. An investigation of the geology of an area shown on a Geological Survey map extract using stimulus response question. Section C: Learners answer questions on one option from a choice of three. Each comprises three questions requiring short, structured and extended answers. • Geological Evolution of Britain. Written examination: 2 hours. 30% of qualification.

FAQs

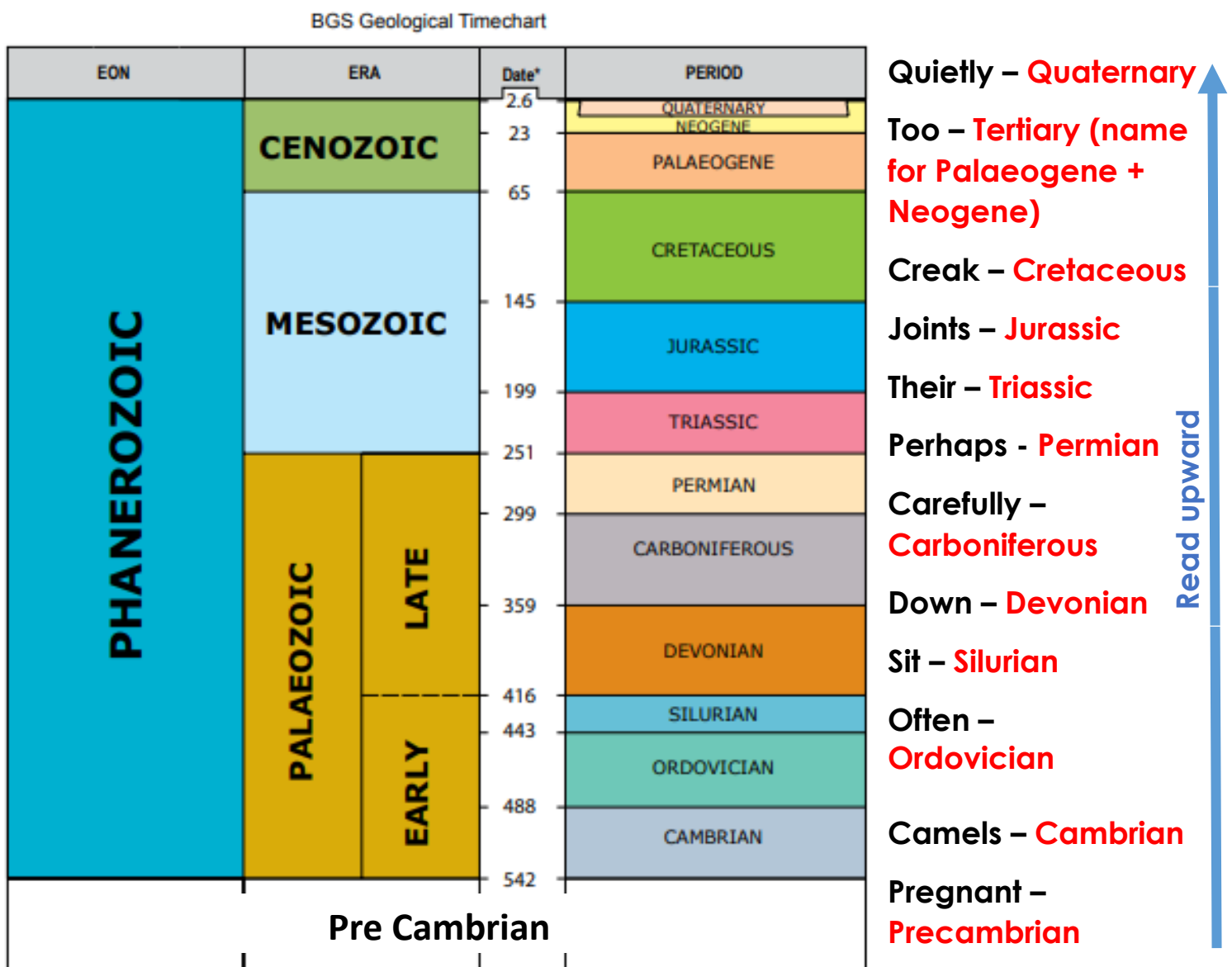
- You do not need to have done GCSE Geography; it will be helpful but not essential
- There is maths in geology, not loads, but it is included. 10% of the A level.
- No coursework! No essays! Lots of resources to help in the exams. 6 fieldtrips over 2 years! Awesome A level!

Welcome to Huish – Geology Summer study



Task 1 – Learn the geological periods of time.

- ➔ **Time** - 3 lots of 20 minutes of learning. This is called **spaced learning**.
- ➔ **How?** - You need to learn the mnemonic for the periods then devise your own way of learning the Eons and Era's. I want to see evidence of quizzing yourself – this is going to be a feature of the course. It is an important part of learning.
You do **not** need to know the dates!
- ➔ **To hand in** – I would like to see evidence of learning – hand-written notes showing repetitive learning and quizzing of yourself. There will be a quick test in the first couple of lessons!



Task 2 – Mini Project – The history and evidence of plate tectonics.

→ **Time** – 2 hours

→ **How?** – Once you have examined the resources below to collect information you are to produce an infographic (posh poster) with the title - **The history and evidence of plate tectonics.**

What to write up / subheadings

History of the theory – Geosyncline model → continental drift → passive plates / active plates → Sea floor spreading

Evidence for plate tectonics → Continental fit (jigsaw) → Rock types → Fossils → Mountain ranges → Glaciation → GPS

→ **To hand in** – Criteria for success = Detailed summary of the information.
I would like to mark the infographic – hand-written notes / images / print offs that are annotated.

Resources

1 - Watch the [film](#) = The Development of Plate Tectonics – Professor Dave Explains
= 9mins14

2 – Read info

a) Click on each 'Pioneer' to understand more [The Geological Society \(geolsoc.org.uk\)](http://geolsoc.org.uk)

b) [Dynamic Planet/Tectonics - Wiki - Scioly.org](#)

c) Chapter 2 - [2 Plate Tectonics – An Introduction to Geology \(opengeology.org\)](http://opengeology.org)

Task 3 – Produce a response to the podcast – The infinite Monkey Cage podcast series – Series 23 – The History of Rock - [Here](#) is the link.

→ **Time** – 2 hour

→ **How?** – Once you have listened to the podcast (you will need a BBC account – this is free to sign up) produce a response

→ **To hand in** – Criteria for success = Effort - I would like to mark your response so get it ready to hand in

By response I mean anything you want!

Comic strip?

Annotated doodles?

Poster?

Mind blurt?

Flow diagram?

Painting?! Set of illustrations!

