

A Level Geology – Summer Homework

Exam Board: Eduqas

Component 1: Geological Investigations

Fundamentals of Geology

Topic F1 – Elements, Minerals and Rocks

Key Idea 1: The Earth is composed of rocks which have distinctive mineralogies and textures

For your summer work, and as preparation for the start of the Geology course in September, you must do some **research** to develop your scientific understanding of the Earth.

Use reliable resources to complete the following tasks. You should submit your work in a suitable format, either hand written or word-processed, and you must include diagrams to support your work. Use clear **headings** to signpost the content of your work.

Tasks

1. What is the **internal structure of the Earth**? (A clear, detailed diagram)
2. What are the **properties** of the different layers of the Earth? (A paragraph describing the characteristics of each layer)
3. The Earth's elements may be classified using the **Goldschmidt System**. This system helps to subdivide the Earth on the basis of its geochemistry. Find out what the **Goldschmidt System** is and present your findings on one side of A4 paper.
4. What are **chondrites**? What do they tell us about the composition of the Earth?
5. Compile a **bibliography** or a list of the references (books, websites, journals) that you have used.

The **deadline** for this work is your **first A Level Geology lesson in September**.

Your project should be no longer than 5 sides of A4 paper and should demonstrate your commitment to Advanced Level learning.

Useful websites:

www.bgs.ac.uk

<http://www.eduqas.co.uk/qualifications/geology/as-a-level/>

<https://www.britannica.com/science/chondrite>

Please remember to bring an A4 folder, paper, pens, pencils, a ruler and a calculator to every lesson