

# 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.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