



LAPWORTH GEOLOGY TRAIL

Upper Key Stage 3

Name: _____

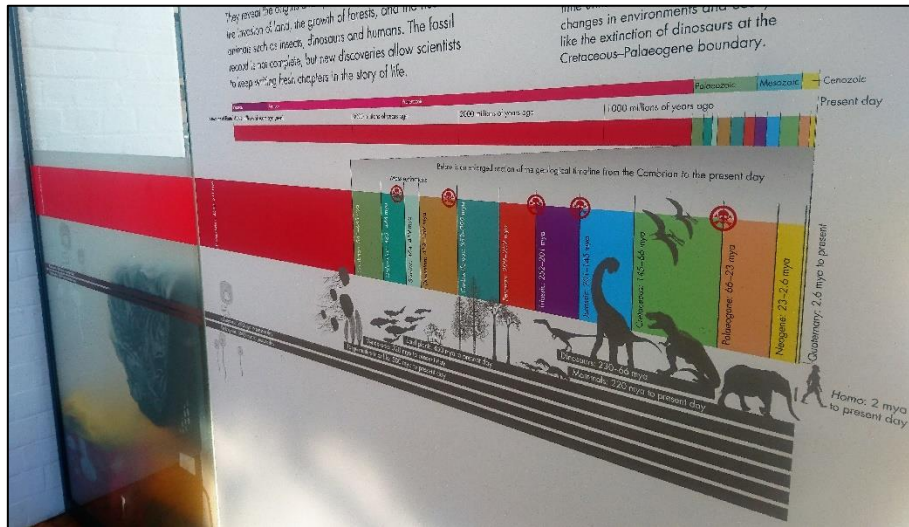


UNIVERSITY OF
BIRMINGHAM



Supported using public funding by
**ARTS COUNCIL
ENGLAND**

Find the start of our Geological Timeline in our Evolution of Life Gallery



1. How old is the Earth? _____
2. What is the name of the first geological time period?

3. Find the display case for the **Ordovician** time period. Look at the fossils of **Graptolites**, were they plants or animals?

4. During the **Silurian time period**, the West Midlands would have been under a shallow tropical sea. What animals would have lived there?

What type of animal is the **Dudley Bug**? (*Hint: it is found in the Silurian time period*) _____

5. What type of **animal** walked across the West Midlands during the **Late Carboniferous**?

What **traces** did it leave behind?

6. Name **three animals** that would have lived in the **Jurassic** seas.

7. What disastrous event happened at the end of the **Cretaceous** period? What caused it?

8. What time period did the animal '**Smilodon**' live in? Hint it has large teeth!

Examine our Rock Wall

9. Rocks can be classified into three groups based on how they form.

Name the three **rock groups**:

Find the rock '**Marble**' on the rock wall.



Which rock group does it belong to? _____

Describe its colour and texture:

10. Look at all the rocks on the Rock Wall. Decide what type of **rock** would be best to use as:

A kitchen work surface _____

Roof tiles _____

[Find our Active Earth Gallery](#)

11. Watch the Earth's Palaeogeography clip on the Active Earth Globe. At what time did the continents join to form the supercontinent **Pangea**?

12. What **machine** is used to measure Earthquakes?



13. What is **obsidian**?

14. Look at the **microfossils** under the microscope. What are they made from?

15. Where will you find the **largest amount** of **ice** in the world today? _____

[Go upstairs to our Mineral Wealth Gallery](#)

16. What is the difference between rocks and minerals?

17. Find the mineral Pyrite. What **shape** and **colour** is it?



18. What mineral is a purple variety of quartz?

19. What mineral looks **orange** under **Longwave Ultra Violet** light?
