

# Dinosaurs & Fossils

## Year 5 Summer Term 5 & 6

### Reading:

'Tom's Midnight Garden' – Archaic text by Philippa Pearce

### Trips and visitors

Covid restrictions?

### Geography

- Learn about geographical regions of the UK and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; understand how some of these aspects have changed over time.
- Understand how human and physical characteristics and land-use patterns of the UK have changed.
- Locate the world's countries, concentrating on their environmental regions, key physical and human characteristics.

### Design & Technology

- I can use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose

### Art & Design

- I can experiment with techniques to explore scale and perspective in compositions. (Sketching fossil footprints and using to apply cross-curricular maths)

### Science

- Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
- Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.
- Understand fossils in relation to the timeline.
- Understand the difference between body fossils and trace fossils.
- Become familiar with terms such as era, epoch, Palaeozoic, Mesozoic and Cenozoic.
- Pupils might find out about the work of palaeontologists such as Mary Anning.
- Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

### **Big Question**

**1. Can we be certain that living things have changed over time?**

### **Intent**

*To become an enthusiastic, expert palaeontologist! Learn about the fascinating creatures that inhabited the Earth and study the main epochs of fossils. Investigate famous 18th Century palaeontologists Mary Anning and William Buckland. Explore fossil footprints and fossils humans, ice age creatures and their fossils. Study dinosaurs, their eggs, behaviour and extinction. Learn about Darwin and the amazing story of evolution.*

### History

- I can develop a chronologically secure knowledge (family tree / human family tree)
- I can use story telling about human evolution to pass on to other children - Oracy Focus
- I can note connections, contrasts and trends over time and develop the appropriate use of historical terms.
- I know about the work of palaeontologists such as Mary Anning.

### Computing

- I know how to stay safe online
- I can use the library and internet for research with increasing confidence.

### PSHE/RSE

Healthy Eating, Physical Health & Fitness, Changes in Adolescent Body and Sex Education

### Literacy

- I can write a setting description
- I can assess the effectiveness of my own and others' writing
- I know how to propose changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning
- I know how to select appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning, i.e. use fronted adverbials to vary sentence openers
- I can use expanded noun phrases to convey complicated information concisely
- I can use commas to clarify meaning or avoid ambiguity in writing
- I can use a colon to introduce a list
- I can use relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun
- I can write a set of instructions

### Maths – Finish Fractions

- I can subtract fractions with the same denominator, and with denominators that are multiples of the same number.
- I can multiply proper fractions and mixed numbers by whole numbers.
- I can read and write decimal numbers as fractions.
- I can read and write decimal numbers as fractions [for example,  $0.71 = \frac{71}{100}$ ].
- I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.
- I can round decimals with 2 decimal places to the nearest whole number and to 1 decimal place.
- I can read, write, order, compare and solve problems with numbers with up to 3 decimal places.
- I can add and subtract decimals
- I recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction
- I can identify angles at a point on a straight line and  $\frac{1}{2}$  a turn (total  $180^\circ$ ).

### Citizenship

- Thoughtbox: Journeys
  - Seeking Safety
  - The Power of Words
  - Freedom to Move
  - New Beginnings

### PE

Athletics