



Year 6 Learning Overview

Spring 2023

Our topics: Evolution and Inheritance

This term we will be exploring the science and history behind the 'Theory of Evolution' and how this has been developed through the findings of Mary Anning, Alfred Wallace and Charles Darwin. We will explore how animals and plants have adapted to suit their environment in various ways and that adaptation may lead to evolution. In addition to our scientific work, we will also be exploring the 'Journey of life and death' through different religions and beliefs. In Art, we will learn about anatomical drawings and their significant contribution to our scientific understanding of living things. To further develop our observational drawing and painting skills, we will create our own botanical and anatomical illustrations using sketching techniques, water colour paints and water colour pencils.

By the end of our Evolution Topic:

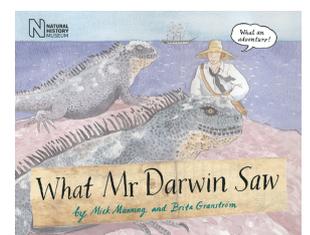
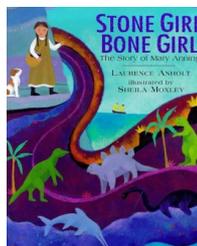
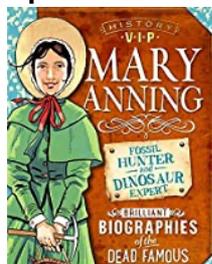
Your child will know:

- That living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
- That living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
- How animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution
- About anatomical drawings and their significant contribution to our scientific understanding of living things.
- That inheritance is influenced by various generations of related family and how variations can occur through genetic difference.
- How fossils form over time and the process of them developing through layers of different materials
- How to establish the different ways living things have adapted in order to suit their environment; including describing the scientific needs related to the adaptation.

Your child will be able to:

- Record their observations in detail.
- Improve their mastery of drawing, using sketching pencils effectively to create shading and smudging
- Effectively draw on a range of materials to represent an artistic concept.
- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- Measure, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar, and line graphs
- Use test results to make predictions to set up further comparative and fair tests
- Report and present findings from enquiries, including conclusions, causal relationships, and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations

The books we will explore in class:



By the end of our ICT Topic: Microsoft Excel & Formulae

Your child will know:

- How to identify different cells and blocks in spreadsheets
- How to create basic formulae and enter information to produce accurate data
- How to use formulae to troubleshoot discrepancies in data

Your child will be able to:

- Build simple formulae sequences to create a data table of information
- Design programmes to record data involving the documenting of money and profit/loss
- Identify formulaic errors and fix inconsistent data through troubleshooting.

By the end of our Music topic: Classroom Jazz (Charanga)

Your child will know:

- The different aspects associated with listening to and appraising pieces of music
- The different instruments associated with Jazz
- The tempo, beat and style of Jazz music including improvisation and performance

Your child will be able to:

- Use appropriate musical vocabulary to appraise pieces of music and critique their effectiveness
- Identify musical instruments to create a Jazz style performance
- Work within a group to improvise and perform a piece of music.

Our memory maker event is:

Mary Anning Assembly

Using our knowledge of Mary Anning's life, we will be creating an assembly which will include acting, 'Tongue Twisters', reading of children's work and a display of the artwork the children create on fossils.

Suggested books to read at home

