

Spring 21-22: Y4 & Y5

Science

Rocks • compare and group together different kinds of rocks on the basis of their appearance and simple physical properties • describe in simple terms how fossils are formed when things that have lived are trapped within rock • recognise that soils are made from rocks and organic matter. **Light** • recognise that they need light in order to see things and that dark is the absence of light • notice that light is reflected from surfaces • recognise that light from the sun can be dangerous and that there are ways to protect their eyes • recognise that shadows are formed when the light from a light source is blocked by an opaque object • find patterns in the way that the size of shadows change. • recognise that light appears to travel in straight lines • use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye • explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes • use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. **Earth and Space** • describe the movement of the Earth, and other planets, relative to the Sun in the solar system, describe the movement of the Moon relative to the Earth • describe the Sun, Earth and Moon as approximately spherical bodies • use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.



Maths

Number and Place Value

Addition and subtraction and decimals – including addition of money, comparing numbers up to 6 digits (Y5)

Negative numbers – ordering numbers

Measures and data – including coordinates, translations and reflections

Time – including 24 hour clock, time intervals and 24 hour timetables (Y5)

Rounding to estimating

Multiplication and division – short division and dividing remainders to give fractions

Fractions and decimals – equivalents, simplifying, knowing decimal equivalents

Area and perimeter, volume and coordinates

Multiplication tables with division facts

English

Adventure & Magic - QEGS Primary Reading Project – 'The Sky Beneath the Stone' by Alex Mullarky. Children explore the story and use this as stimuli for creating their own stories. They use the text as a model to help develop their understanding of detailed description in writing and correct grammar.

Travel writing - Explore exciting destinations through a range of travel writing. Read recounts of places and events in *Not for Parents - The Real Wonders of the World*. Learn about embedded clauses and the use of commas. Write a travel recount of a real or imaginary place.

Whole class reading – Ice Trap by M Hooper, Darwin's Dragons by L Gavin and The Sky Beneath the Stone

Reading Comprehension - We will use a variety of texts from different sources to work on the skills of answering written comprehension questions as well as continuing with regular guided reading and reading at home.

Grammar – Improve sentences by making use of fronted adverbials, adjectives, subordinating conjunctions and subordinate clauses. Revision of basic punctuation skills - capital letters, commas and full stops.

Spelling - we will continue to progress through group lists, looking at spelling exceptions and ways to remember spellings and additional spellings the children are using in their everyday writing.

Handwriting