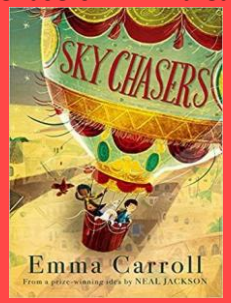
Newchurch Community Primary School - Share in our learning…Year 6 Summer A

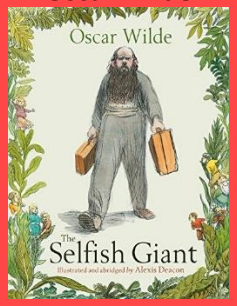
English - Reading:

Sky Chasers – Emma Carroll



An encounter with a boy dangling from the sky changes pickpocket Magpie's life forever. His family, the Montgolfiers, are desperate to discover the secret of flight. Together with Pierre, Magpie is caught up in a world of inflatable bloomers, spies and unruly animals in a race to be the first to fly a hot air balloon - in front of the King and Queen of France.

The Selfish Giant – Oscar Wilde



The Selfish Giant has a beautiful garden, but he won't let any of the children play in it. Winter comes and never leaves, until the power of love brings Spring and joy into the Giant's garden and his heart...

Writing: Narrative

We will be using our class text to focus on the following targets in our grammar and writing:

- Use expanded noun phrases to convey complicated information concisely
- Select appropriate grammar and vocabulary
- Integrate dialogue to convey character and advance the action
- Use a wide range of devices to build cohesion
- Recognise vocabulary and structures for formal speech and writing, including subjunctive forms
- Identify the audience and purpose for writing
- Choose the appropriate register
- Use semi-colons, colons or dashes to mark boundaries between independent clauses

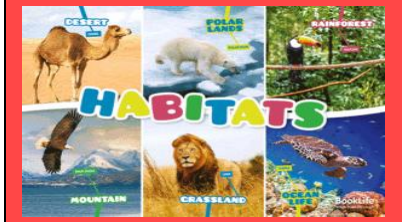
Mathematics:

Along with our arithmetic and calculation skills we will be looking at the following areas of the curriculum:

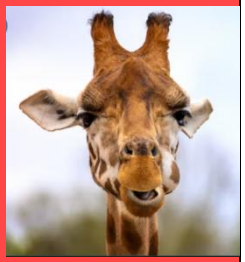
Year Six		Summer One
Week	Unit	Expectations
1	Four operations	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Solve problems involving addition, subtraction, multiplication and division Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication Multiply all integers, (using efficient written methods) including mixed numbers and negative numbers
2	Fractions and decimals	Solve problems which require answers to be rounded to specified degrees of accuracy Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. Compare, order and convert between fractions, decimals and percentages in contexts related to science, history or geography learning
3	Ratio and Proportion	Solve problems involving the relative sizes of two quantities where the missing values can be found by using integer multiplication and division facts Solve problems involving the calculation of percentages, (for example, of measures) such as 20% of 440 and the use of percentages for comparison Solve problems involving similar shapes where the scale factor is known or can be found Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.
4	Measurement	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places Convert between miles and kilometres Use four operations with mass, length, time, money and other measures, including with decimal quantities
5	Properties of Shape	Draw 2-D shapes using given dimensions and angles Recognise, describe and build simple 3-D shapes, including making nets Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons Create a scaled model of an historical or geographical structure showing an acceptable degree of accuracy using known measurements
6	Properties of Shape	Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. Create a scaled model of an historical or geographical structure showing an acceptable degree of accuracy using known measurements

Science:

Our scientific studies will continue tofocus on **Living Things and their Habitats**. Pupils will



build on their learning about grouping living things in Year 4 by looking at the classification system in more detail. They will be introduced to the idea that broad groupings, such as micro-organisms, plants and animals can be subdivided. Through observations, children will classify animals into commonly found invertebrates (e.g. insects, spiders, snails, worms) and vertebrates (fish, amphibians, reptiles, birds and mammals). They will discuss reasons why living things are placed in one group and not another. In addition to this, they will find out about the significance of the work of scientists such as Carl Linnaeus: a pioneer of classification.



Useful websites

https://www.bbc.co.uk/bitesize/topics/z6wwxnb

https://www.stem.org.uk/resources/community/collection/12740/year-6-all-living-things

Places to visit:

Chester Zoo
Knowsley Safari Park
Martin Mere

Physical Education: Athletics

The children will be developing their range of athletics skills including techniques for distance running, sprinting, jumping and throwing.

Jumpball

Applying their athletics and gymnastic skills, the children will be playing Jumpball, using their balancing, jumping and throwing accuracy.

Geography: A local study

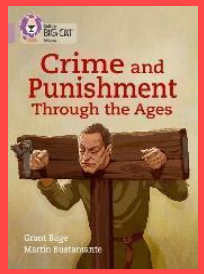
The children will be exploring their local surroundings, and those of Warrington to explore how the town has changed over time from a historical and a geographical perspective. In order to do this, the children will:

- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world
- use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.

Useful websites:

https://kids.kiddle.co/Warrington

History: Crime and Punishment



We will be on a trip through time as we compare and contrast how crimes and punishments have changed and question whether the justice system is fairer now than it was in times gone by. Our historical journey will provide in-depth study of the Anglo Saxons, the Gunpowder Plot and the Pendle Witches before looking at the current justice system in Britain.

Useful websites:

https://www.bbc.co.uk/bitesize/topics/zxsbcdm

https://www.history.com/topics/british-history/gunpowder-plot

Art:

Sculpture is the focus of our art this half term and the focus will be on the work of Barbara Hepworth - a local artist from just over the Pennines – born at the beginning of the 20th Century and specialising in modern sculpture. The children will be critiquing her work before planning, designing and creating their very of clay model.

Useful websites:

https://barbarahepworth.org.uk/

Religious Education: Buddhism

Continuing with our theme of journeys, the children will be exploring what Buddhists perceive as a 'Good Life', understanding the importance of Buddha and identifying the significance of the 4 Noble Truths.

Useful websites:

https://www.bbc.co.uk/bitesize/articles/zdbvjhv

Music:

Perform rhythms confidently either on their own or in a group, the children will Identify the sounds of different instruments and discuss what they sound like. They will make reasonable suggestions for which instruments can be matched to which pieces of art, recall the names of several instruments according to their orchestra sections, keep the pulse with the body percussion section and sing with control and confidence.

PSHE:

Reciprocity

Throughout this unit, the children will primarily be focusing on areas comprising physical health and mental wellbeing. As part of this, they will discuss challenging subjects such as bereavement and learn about strategies to cope with loss.

Useful websites:

https://www.bbc.co.uk/teach/five-ways-to-help-childrens-wellbeing/zfb2d6f

Languages:

Los Habitats

Children will be learning key terminology related to plants and animals within their habitats. Linked to the science unit, the children will read, write and orally discuss the key requirements for all plants and animals to survive and discuss how animals and plants have adapted to their environments.

Useful websites:

https://www.bbc.co.uk/bitesize/topics/zh7wqp3/articles/zkqhhbk

Computing:

Computer Science

Coding is a key part of the computing curriculum and this unit allows the children to investigate how to build their own algorithms. They will be testing and debugging programmes; writing coding using text-based programming language and using logical reasoning to detect and correct errors in algorithms through debugging.

Useful websites:

https://www.stem.org.uk/resources/community/collection/359714/ks2-algorithms