



Year 5

Curriculum Newsletter

Summer 2018

Mrs Randall and Mr Nathan would like to welcome you to the Summer term, we look forward to some exciting outdoor learning now that the weather is, hopefully, getting better! Outlined over these pages are the main objectives that will be covered this term.

English

This term we will be delivering our English lessons based around different texts linked to our topic. The main texts will be:

- Flotsam by David Wiesner
- The Wind in the Willows by Kenneth Grahame
- Macbeth by William Shakespeare

The children will take part in a variety of speaking and listening activities as well as participating in drama and role play. They will produce a variety of text types with a main focus on narrative, persuasive, explanations, letter writing and chronological reports.

Reading is incredibly important at Carrington and will be a focus across all areas of the curriculum. Following the Big Cat reading scheme, all the children will have a reading book which they will be expected to read at home at least three times a week.

Maths

- **Place Value**

Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000

Read Roman numerals to 1000 (M) and recognise years written in Roman numerals

Read, write, order, round and compare numbers to at least 1,000,000 and determine the value of each digit

Solve number problems and practical problems that involve all of the above

- **Addition and Subtraction**

Add and subtract numbers mentally with increasingly large numbers

Add and subtract whole numbers with more than 4 digits, including using formal written methods

Practise adding and subtracting decimals, including a mix of whole numbers and decimals

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use

Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

- **Geometry**

Distinguish between regular and irregular polygons based on reasoning about equal sides and angles

Use angle sum facts and other properties to make deductions about missing angles and lengths

Use conventional markings for parallel lines and right angles

Identify, describe and represent the position of a shape following a reflection, using the appropriate language

- **Multiplication and Division**

Multiply and divide numbers mentally, drawing upon known facts

Solve problems involving multiplication and division, including scaling by simple fractions and simple rates

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division

Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method

Solve problems involving addition, subtraction, multiplication and division and a combination of these

- **Fractions, Decimals and Percentages**

Connect equivalent fractions > 1 that simplify to integers with division and other fractions > 1 to division with remainders, using the number line and other models, and hence move from these to improper and mixed fractions

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal

Solve problems which require knowing percentage and decimal equivalents

- **Measurement**

Convert between different units of metric measure (for example litre and millilitre)

Estimate volume and capacity

Understand and use approximate equivalences between metric units and common imperial units such as pints

Use all four operations to solve problems involving measure using decimal notation, including scaling

- **Statistics**

Complete, read and interpret information in tables, including timetables

Solve comparison, sum and difference problems using information presented in a line graph

Topic

This term our topic is called Circles and Cycles. It will be cross-curricular sessions that include history, geography, design and technology and art and design.

Throughout Year 5, the children will be taught how to play brass instruments by a music specialist but composition links will be made to each of the topics.

Focuses for this term will be:

Design Technology - research, design, make and evaluate a moving puppet based on a river creature

Art and Design - study Monet's water scenes and paint a Thames scene in his style

History - study the river Thames, its historical uses and its changes over time

Music - listen to Debussy La Mer and Wagner Das Rheingold prelude, place the composers on a timeline and paint in response

Geography - Map the continents and oceans of the world, map the countries, seas and bodies of water in the UK. Study the river Thames using grid references focusing on meanders. Study coastal erosion focusing on the Jurassic coast.

Science

This term we will be learning about Living things and their habitats including humans.

This will include working scientifically by:

- Planning different types of enquiry to answer questions.
- Taking accurate measurements and repeat them if needed.
- Recording increasingly complex data in various ways.
- Using results to make predictions and suggest further tests
- Presenting findings orally and in writing.
- Identifying scientific evidence for or against an idea.

Organisation

- Homework will be given out on a Thursday and taken in on a Monday.
- Both classes have outdoor PE on a Wednesday afternoon. 5S will also PE on a Monday morning and 5C on a Tuesday morning. This term, we will aim to be outside for these sessions.
- 5C will have their class assembly on Friday 6th July and 5S will be on Friday 29th June . We look forward to seeing you there.
- This term we hope to visit the river to study meanders, habitats and river use, we are also aiming to welcome experts in some of our topic areas into school. More details will be given about this as soon as arrangements have been made.

Things to try at home

- Visit different bodies of water (stream, river, pond, lake, sea) look for evidence of wildlife. What are the similarities and differences?
- Look for evidence of the water cycle at home. Condensation and evaporation during shower time are a good place to start.
- Draw and annotate different habitats that you find.
- Visit the Natural History Museum
- Visit Monet's paintings in The National Gallery