



Year 5

Curriculum Newsletter

Spring 2019

Welcome to the spring term, we look forward to the next 12 weeks of hard work with some exciting learning opportunities. Outlined over these pages are the main objectives that will be covered this term. Mrs Randall, Mrs Shiraz and Mrs Kirk.

English

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

The speeches of Martin Luther King and other famous orators

Airlock by Simon Cheshire

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 science fiction, speech writing and other persuasive texts.

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. Children will receive merits for consistent reading which is recorded in the planners.

Maths

This term we will be covering three main areas based on the White Rose mastery scheme of work. We will continue to approach different concepts using a wide variety of activities and consolidate and apply using a focus on problem solving. The main areas covered are listed under the headings below.

Perimeter and Area

- Measure and calculate the perimeter of composite rectilinear shapes in cm and m.
- Calculate and compare the area of rectangles (including squares), and including using standard units, cm², m² estimate the area of irregular shapes.

Fractions

- Compare and order fractions whose denominators are multiples of the same number.
- Identify, name and write equivalent fractions of a given fraction, represented visually.
- Recognise mixed numbers and improper fractions and convert from one form to the other.
- Add and subtract fractions with the same denominator and denominators that are multiples of the same number.
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
- Read and write decimal numbers as fractions.
- Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

Decimals and Percentages

- Read, write, order, compare, round and solve problems involving numbers with up to three decimal places.
- Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.
- 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.

Topic

This term our topic is called One Small Step. 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, test and evaluate pressure rockets.
- **Art** - study, design and make a stained glass window
 - paint in response to music from the planets suite by Holst
- **Music** - as above and compose piece of music based on the Moon
- **History** - research the history and modern workings of the houses of parliament through note-taking
 - research the suffragettes and design a poster (look at the Dearsley window)
 - to look at the RAF centenary, the beginnings of the RAF and write an account of the Battle of Britain
 - make Top Trumps cards of iconic aircraft
- **Geography** - look at changes over time in the map of London
 - map the school with found and given objects
 - map London showing iconic landmarks

Science

This term we will be learning about Earth , Space and Beyond and Changing Materials, looking at the shape, features and movement within our Solar System and States of Matter.

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 have indoor PE on a Monday morning and 5C on a Tuesday morning.
- 5C will have their class assembly on Friday 18th January and 5S will be on Friday 1st February at 2.45pm. We look forward to seeing you there.
- This term we hope to visit Chesham Mosque as part of our RE topic on Islam, 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.
- Please ensure the children come to school with a complete set of stationery (including a pencil, rubber, sharpener, pen, green pen, colouring pencils and whiteboard pens and glue stick) as it can be very disruptive when they are not prepared.

Things to try at home

- Visit the Science Museum in London.
- Make your own model of the solar system.
- Visit the RAF museum at Hendon.
- Make a model RAF aeroplane either using a kit or other craft materials.
- Research the Tube map of London then visit London and navigate your way to different landmarks.