

Cecil Road Nursery and Primary School

Year 6 Term 5, 2023-2024

Mathematics

This term in Year 6, we will be continuing with looking at arithmetic skills and how we can use these to solve reasoning problems. We will also be looking at Area, perimeter and volume of shapes by using formula to calculate. Then we will move on to statistics and interpreting bar charts and line graphs. Then of course we will have the SATS in the week beginning 13th May.

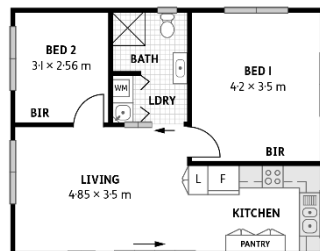
The children will be reintroduced to the formulas for finding the area of shapes such as rectangles, triangles and parallelograms. They will also begin to understand that area and perimeter are not directly linked. They will also learn the formula for finding to volume of cubs and cuboids and be able to estimate the values.

Explore volume

The difference between volume and capacity is quite subtle, and can be difficult to understand: **Volume** means the amount of space occupied by a **3D** shape. It is measured in cubed units like cm^3 . **Capacity** means the amount a container can hold. **Capacity** is measured in metric units such as litres or imperial units such as pints.

Explore area and perimeter

Floor plans are great for showing how important measurement is in real-life situations. You could find floor plans for houses or flats online, and ask your child if they can work out the perimeter and area of particular rooms. For example, why not ask your child to calculate the quantity of carpet needed to cover the floor in each bedroom?

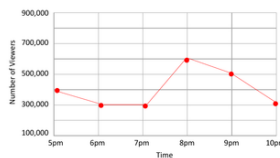


Statistics

In Year 6, your child will read and make pie charts and line graphs. They will also calculate and interpret mean averages from sets of data.

Use Line Graphs to Solve Problems 1

Willow and Harry watched the same channel, but at different times. Willow watched Doctor How at 5pm. Harry watched WestEnders at 8pm.



What was the difference between the number of viewers for Doctor How and WestEnders?	
What was the difference in viewers between 6pm and 8pm?	
Which time had twice as many viewers than 6pm?	
At what time were the most viewers watching TV?	
What was the difference between the highest number of viewers and the lowest number of viewers?	

Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication

Recognise, describe and build simple 3D shapes, including making nets

Calculate and interpret the mean as an average

The mean height of Niles, Anton & Neville is 143cm.

Interpret and construct line graphs and use these to solve problems

A graph to show the score during a netball match

Year 6 SATs revision grid

Reflect simple shapes in the axes

Convert between miles and kilometres

Who ran further?

Rhia - 15 miles Jasper - 20 km

Compare and order fractions including fractions >1

Use < > = to compare the fractions

$\frac{3}{4} < \frac{3}{5}$ $\frac{4}{6} > \frac{6}{8}$

Read, write, order & compare numbers up to 10,000,000 & determine the value of each digit

Put the videos in order from least to most views.

STAT VIEWS: 9,299,999 VIEWS

STAT VIEWS: 9,200,000 VIEWS

STAT VIEWS: 9,111,111 VIEWS

English

In English our main writing genres will be looking at narrative writing and comparative viewpoints.

Spelling: We continue to follow the year 5 and 6 key words using Spelling Frame to support this: <https://spellingframe.co.uk/>

Guided Reading: This term we will be reading a new book 'Orphans of the Tide', we think the children will really enjoy the depth of this narrative. It is the story of orphan Ellie Lancaster, entirely alone on the world following the death of her mother, father and younger brother, as she battles to prove the innocence of a young boy who washes up on the shores of her city in the belly of a whale.

Writing Genre:	Fiction	Narrative	Non-fiction
Work:	Narrative	Viewpoint	Newspaper Report
Main skills covered	<ul style="list-style-type: none"> • Use figurative language to describe characters & setting • Use varied sentence lengths and structures • Balance speech with action • Use EAST to support writing • Include adverbials to create cohesion within the story • Show not tell 	<ul style="list-style-type: none"> • Use of informal language • Written in the past tense and usually written in chronological order (in time order) • Including thoughts and feelings (how can you show not tell?) • Takes accounts of others points of view on a given event 	<ul style="list-style-type: none"> • Include Headline and Byline • Use indirect and direct speech • Use adverbials to ensure cohesion throughout • Include journalistic language (witnesses were amazed....)
Ways to help at home:	<p>Ask your children about the many different skills they can use for figurative language(ENP's, similes, metaphors, personification, etc), could they write a sentence describing their setting using one of these?</p> <p>What speech could they use to help move their story forward?</p>	<p>Discuss how many stories have been written from people's viewpoints and how if this viewpoint was changed to another character the story would also change.</p>	<p>Discuss with the children the audience for their newspaper report, and how they will need to write it for this audience. Check their understanding of fact and opinion, they should remember fact is the important one when writing reports.</p>

Other Subjects: In Geography we will be carrying out field work enquiries involves posing questions about geographical concepts, gathering data, analysing the results and reaching conclusions. In Science we are investigating 'Light', thinking about reflections, refraction and how light travels. In PSHE our unit is all about change and growing up - we will also have a worries and transition workshop in the term. RE is about being a Sikh in the community where we will reflect on our learning throughout primary and explore this further. In Design Technology we will be designing and making mechanical toys.