



Shirley Community Primary School

Term: Autumn

Year Group: Year 5

Mathematics

Children will develop their fluency with number through a range of daily, quick arithmetic activities. Children will be revising all multiplication and division facts up to 12x12.

Place Value:

- Read, write, order and compare numbers up to 1,000,000
- Rounding numbers to a required degree of accuracy
- Use negative numbers in context
- Calculate intervals across zero

Addition/Subtraction/Multiplication/Division:

- Add and subtract numbers up to 1,000,000
- Multiply up to a 4-digit number by a 1-digit number using long multiplication
- Divide up to 4-digit numbers by 2-digit numbers using long division
- Show remainders as decimals
- Identify common factors and multiples
- Solve problems using all four operations
- Estimate to check answers

How to help at home

Talk about their day: friendships, worries & peaceful ways to sort out problems. Read together regularly and question as your child reads to you. Play spelling games. Practise using maths in real life situations, e.g. using money or telling the time. Support with weekly homework. Enjoy helping them with their half-termly homework project.

English



Writing opportunities this term:

- Narrative (traditional tales)
- Diary entries
- Formal letters
- Newspaper reports
- Persuasive writing
- Balanced discussion
- Biography

Poetry Focus: Children will write their own Cinquain poem based on their understanding of the main character's journey in the picture book, Unspoken.

Guided reading sessions:

- Explain the meaning of words in context.
- Make inferences and explain answers by using evidence from the text.
- Summarise main ideas from more than one paragraph.

Educational visits and visitors and key dates

1st October – Tree Kangaroo class assembly
 4th October - Staff training day
 7th October - National Poetry Day
 12th October - Individual school photos
 5th November – Blue Whale class assembly

Spelling

Common exception words and common patterns, which will be sent home weekly. Spelling patterns for the term include:

- Practise using dictionaries and thesauruses
- Prefixes, suffixes and silent letters
- Understanding Homophones
- Knowing when to use the double 's, f, l, z and k'.
- Syllable division
- Recapping the rule for the spelling '-tch'
- Adding an '-s' or an '-es' for plurals

Handwriting

To write consistently at speed with neat, legible and joined letters. Each week we will look at a different descender or ascender join.

<i>amateur</i>	<i>equipped</i>
<i>ancient</i>	<i>equipment</i>
<i>apparent</i>	<i>especially</i>
<i>appreciate</i>	<i>exaggerate</i>

Key texts

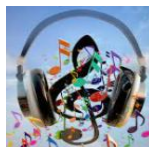
The Lost Happy Endings - Carol Ann Duffy
Unspoken - Henry Cole
The Strange Case of Origami Yoda - Tom Angleberger
Firebird - Saviour Pirotta
Black and British - David Olusoga
The Polar Bear Explorer's Club - Alex Bell
When The Stars Come Out - Nicola Edwards

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Creative Development

DT: In DT we will be looking at Structures & Mechanisms. Children will produce a detailed, step-by-step plan for a mechanism they will design. They will suggest alternative plans; outlining positive features and drawbacks. We will also be creating portable snacks and children will show that they can be both hygienic & safe in the kitchen.

Computing: Children will be using Purple Mash to support their learning with a focus on Online Safety and Coding.



Music: Understanding time sequences and rhythm through percussion and song.

Art: Children will be studying Salvador Dali and surrealism. They will be studying the meaning and significance of imagery and creating their very own 'Dali painting' using these techniques. The children will practise mixing and blending colours to make landscapes, and gaining a wider knowledge of other surrealist painters.

Personal & Social Development

PSHE, New Beginnings and Emotions:

This term we will be taking an active role in making and changing our class charter, to know why rules and laws are needed in school, as well as more widely in society.

We will be learning new vocabulary to enable us to communicate effectively when talking about our emotions, particularly when facing new situations. Children will learn and reflect upon a range of strategies to help them resolve conflicts calmly with friends and peers. Moreover, we will be looking at themes such as identity, and what might influence how confident and comfortable we feel with our own identities. Children will learn how to recognise when they might need support, who they might approach, and the steps they may take to do this.



Knowledge and Understanding of the World

Science: In Physics, children will study how they are able to hear sounds. They will learn that sounds are made when an object vibrates. They will explore how the volume and pitch can be altered. The children will also explore forces. They will learn about gravity, upthrust, friction and air resistance. They will practise setting up fair investigations and consider the appropriate equipment to make accurate measurements.

History: Children will study the early Islamic civilisation (7th Century CE). They will explore the discoveries made during this time and the impact



they still have today.

Geography: Children will study biomes and climate zones. They will learn about how the location of each biome affects the range of plants and animals that can inhabit them.

RE: Children will learn about Buddhism and what it means to be a Buddhist. They will discuss the importance of the 'five precepts', noticing similarities with other religions.

Spanish: Children will be learning how to imitate the pronunciation of a native speaker. They will learn how to identify adjectives in a text and they will listen to and join in singing Spanish songs.

Physical Development and Well being

Children will be learning football and hockey skills in their outdoor PE sessions. They will learn how to pass and receive the ball over a short distance with control and co-ordination. They will then apply shooting techniques to an attacking situation, tackle safely in a game situation and learn to play effectively as part of a team. P.E takes place on Thursday morning for Tree Kangaroos and on Wednesday afternoon for Blue Whales. It is recommended that outdoor PE kit is in school all week and clearly named.