



Brooklands Primary School – Curriculum Information for Parents 2023-24

Year 5

| | AUTUMN 1 | AUTUMN 2 | SPRING 1 | SPRING 2 | SUMMER 1 | SUMMER 2 |
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| Educational Visits: | Wonderdome - Mobile Planetarium | | Ordsall Hall Residential | | | |
| Mathematics | <p>The children will begin by revising and extending their knowledge of tenths and hundredths. They will represent decimal numbers in different ways and use them in calculations. They will round decimals and use their understanding to compare and order them. The children will then apply this knowledge to money where they will develop their multi-step problem solving skills with a focus on using efficient strategies. They will then move on to explore negative numbers and how to place these on a number-line. Finally, they will focus on the short methods for multiplication and division. Initially, they will explore these methods visually and using partitioning in order to deepen their understanding, before moving on to solving complex problems.</p> | | <p>Linking to our work on multiplication, this half term will begin with a focus on area. The children will learn how to measure and calculate the area of rectilinear shapes. They will solve a range of different style problems linked to measure. They will revisit their understanding of decimal numbers, this time with a focus on multiplying and dividing them by 10, 100 and 1000. Using this knowledge, the children will practise converting between different units of measure. Next, they will learn how to find the volume of a shape. This will include learning about cube numbers and how to efficiently multiply three whole numbers together. They will explore prime and square numbers before moving onto factors and multiples. The children will work systematically to find all of the factors of a number and will explain how to identify the multiples of any given number.</p> | | <p>Fractions will form the largest part of our maths learning this term. The children will explore multiplying proper, improper fractions and mixed numbers by whole numbers. Following this, they will find simple fractions of quantities, progressing onto problems where they have to use the information given to calculate a missing whole. The children will use their understanding of fractions to compare and order. They will explore equivalent fractions and solve problems involving these. They will make links with work on decimals to recall and compare common equivalents. The children will return to different measures contexts to apply their understanding by converting between decimals and fractions and solving problems involving different units. They will finish this term by naming, drawing and measuring different types of angle.</p> | |
| English | <p><u>Writing to Entertain – Narrative</u> The children will study the novel ‘The Boy at the Back of the Class’. They will discuss and explore the characters and issues within the text, using their reading skills to answer a range of questions. They will re-write parts of the story from different perspectives with a focus on speech and how this can be used to advance the action.</p> <p><u>Writing to Entertain – Poetry</u> The children will focus specifically on ‘Kenning’ style poems. They will explore different examples and build vocabulary to create their own.</p> <p><u>Writing to Inform</u> Linked to our Science topic all about Space, the children will write informatively to create biographies and non-chronological reports. They will use their own reading and research to develop their initial ideas for writing.</p> | | <p><u>Writing to Entertain – Narrative</u> The children will continue to develop their knowledge of character and plot. They will study the novel, ‘Rooftoppers’. Based on this, they will create character and setting descriptions as well as alternative chapters. They will focus on using a range of devices to make their writing cohesive.</p> <p><u>Writing to Entertain – Poetry</u> The children will explore free-verse poems with no rhyme or rhythm. They will form opinions about these and focus on author techniques such as alliteration, onomatopoeias and repetition. They will use images to generate vocabulary to create and perform their own poems.</p> <p><u>Writing to Persuade</u> This term, the children will explore the language and features of persuasive writing. They will create their own informal persuasive piece linked to the Greek Gods and more formal piece to defend the Big Bad Wolf!</p> | | <p><u>Writing to Entertain – Narrative</u> The children will study the novel ‘Cogheart’ and will further develop their creative writing skills. They will critically analyse the author’s choice of language and will write descriptions and short extracts in the same style. They will focus on using a range of devices and making their own specific vocabulary choices to entertain the reader.</p> <p><u>Writing to Entertain – Poetry</u> This term, we will explore narrative poetry. Our initial focus will be on the poet Hilaire Belloc. After analysing some of his work, they will progress to writing our own poems with a narrative theme.</p> <p><u>Writing to Discuss</u> The children will develop their knowledge of the features of discussion texts and will use these to complete writing linked to our Kings and Queens topic. They will focus on ensuring their writing is suitable for any given audience and purpose.</p> | |

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| Topic (Includes History, Geography, Art and Design Technology) | <u>What a wonderful world!</u> The children will begin this topic with a recap of key map skills by first focusing on the Earth's continents and then zooming in to study Asia in more detail. Within this, they will re-visit the function of longitude, latitude and the tropics including identifying exact locations on the Earth's surface using 4 figure grid references. The children will explore how Asia is geographically diverse by focusing on mountains, deserts and freshwater environments. Following this, they will research Hong Kong to find out more about its human and physical features. They will make comparisons with Manchester, using fieldwork skills to generate some of their own data. They will also look at the challenges faced by Hong Kong, some caused by humans (e.g. sea pollution) and some caused naturally (e.g. extreme weather). Finally, the children will focus on Mount Everest. They will consider how tourism can positively and negatively affect this location. In Art, the children will explore sculptures by Chris Gilmore. They will plan and design their own structures using recycled materials and clay. In DT, they will design and bake bread to give to someone as a Christmas gift. | | <u>Time Travellers</u> The children will be transported to the beginning of the Ancient Greek civilisation. They will discover what it was like to live in Ancient Greece before exploring key themes of democracy, oligarchy, assembly and voting. The children will focus on Alexander the Great and how he shaped the Greek government and way of life. Following on from this, the children will study the earliest Islamic civilisations. They will find out about the geographical location of Baghdad and why it was important. The children will then look at the Mongol invasion of Baghdad and the destruction of the House of Wisdom as well as examining the reasons for the Golden Age of Baghdad. Finally, the children will compare the two civilisations they have studied. They will investigate elements of Greece and Baghdad that bridge the two civilisations and are still used in our modern world by looking at the concepts of science, maths and medicine. In Art, the children will use drawing techniques to recreate Islamic geometric patterns. They will also create a collage piece linked to Ancient Greece. In DT, the children will investigate mechanisms including pulleys and gears to design and create their own fairground ride. | | <u>Kings, Queens and Leaders</u> This topic looks at important rulers of Britain with a focus on Tudor, Stuart and Georgian monarchs and leaders. The children will begin with a focus on the Battle of Bosworth and the War of the Roses to explore how the Tudors came to power. They will then move on to learning about Henry VIII as a key ruler during this time. They will find out about his six wives and what happened to them as well as his influence on Britain and religion. The children will explore and compare the reigns of Tudor Queens Elizabeth I, Lady Jane Grey and Queen Mary. They will learn about the English Civil war and the role of Oliver Cromwell as Lord Protector. Moving into the Georgian era, the children will find out about the first 'Prime Minister', Sir Robert Walpole and how he changed the way that Britain was ruled. In DT, the children will create their own bird box wooden structures linked to their knowledge of living things in science. In Art, they will learn about Hans Holbein and his court pictures of Henry before using their painting skills to create a portrait in the style of Hans Holbein. | |
| | Computing <u>Computer Systems and Networks - Sharing Information</u> The children will develop their understanding of computer systems. | <u>Programming A – Selection in Physical Computing</u> The children will use Crumbles to explore the concept of 'selection' in programming. | <u>Creating Media – Video Production</u> Children will capture, edit and manipulate short videos in groups. | <u>Data and Information – Flat File Database</u> Children will use tools to order and answer questions about flat-file databases. | <u>Programming B – Selection in Quizzes</u> Children will develop knowledge of 'selection' by using the 'If...then...else' structure. | <u>Creating Media – Vector Drawings</u> Children will use a range of drawing tools to create their own vector drawings. |
| Science | <u>Earth and Space</u> The children will learn about the movement of the Earth, Moon and planets. They will find out about day, night and the seasons. | <u>Forces</u> The children will learn about gravity, air resistance and water resistance. They will investigate different mechanisms such as levers, pulleys and gears. | <u>Materials</u> The children will explore dissolving, mixing and changing materials. They will investigate solids, liquids and gases through filtering, sieving and evaporating. | | <u>Living Things and Habitats</u> The children will learn about the life cycle of mammals, amphibians, insects and birds. | <u>Animals Including Humans</u> The children will explore the life processes and changes as humans develop to old age. |
| R.E. | Why do some people believe God exists? | Green religion - How and why should religious communities do more to care for the Earth? | If God is everywhere, why go to a place of worship? | What does it mean to be a Muslim in Britain today? | What would Jesus do? Can we live by the values of Jesus in the twenty-first century? | What matters most to Christians and Humanists? |
| P.E. | <u>Outdoor</u> – Lacrosse <u>Indoor</u> – Sports Hall Athletics | <u>Outdoor</u> – Netball <u>Indoor</u> – Gymnastics | <u>Outdoor</u> – Football <u>Indoor</u> – Dance | <u>Outdoor</u> – Tag Rugby <u>Indoor</u> – Health Related Fitness | <u>Outdoor</u> – Tri Golf <u>Indoor</u> – Handball | <u>Outdoor</u> – Rounders <u>Indoor</u> – Tennis |

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| PSHE/SEAL | <p>Healthy life style: Understand the concept of a 'balanced lifestyle' and the importance of good habits.</p> <p>Mental Wellbeing: Understand what positively and negatively impacts on mental health.</p> <p>Being Safe (including online safety): Explore how increased independence brings increased responsibility for themselves and others.</p> | | <p>Me and my Community: Think about the lives of people living with different values and cultures.</p> <p>Rules, Rights and Responsibilities: Learn about human rights through the UN Declaration of the Rights of Child.</p> <p>Money: Understand interest, loan, debt and tax.</p> <p>SRE: Understand key facts about puberty and how my body and emotions might change.</p> | | <p>Families and people who care for me: Exploring how families can differ from their own. Recognising ways in which relationships can be unhealthy.</p> <p>Caring Friendships: Understand what characterises healthy friendships and how to work through friendship 'ups and downs'.</p> <p>Online Relationships: Critically consider online friendships and sources of information. Understand who to go to if support is needed.</p> <p>Respectful Relationships: Understand the importance of respecting the differences of others. Recognise the consequences of discrimination.</p> | |
| MFL | My School, my subject | Time in the city | Healthy eating - going to the market | Clothes, colours, fashion show | Out of this world | Going to the seaside |
| MUSIC | Rhythm Builders – Exploring Rhythmic Layers | | Music and Words | | Song Ingredients – Exploring melody, harmony and lyrics | |