

New Rush Hall School – Year 6 (Sapphire) : Autumn

English	Maths	Science
<p>In English this term the pupils will be reading:</p> <ul style="list-style-type: none"> - Long Walk to Freedom by Nelson Mandela - Horrid Henry's Christmas Cracker by Francesca Simon <p>As well as daily independent reading pupils will take part in storytime. Reading sessions will focus on retrieval, inference, summarising and enjoyment. Pupils will be creating their own narratives, focusing on build-up, conflict and resolution. Using the Horrid Henry book as a stimulus, they will create characters with alliterative names and write their own stories. They will write for a specific purpose e.g., imagining themselves as journalists to create newspaper reports in their theme lessons on World War 2; create fact files in their Geography lessons on agriculture; and research reports linked to their science theme work on living things and electricity. Pupils will also learn to group ideas into paragraphs. They will learn to independently identify ways to edit and improve their writing.</p>	<p>In Maths this term the pupils will begin with re-capping their knowledge of place value up to 10,000,000. They will consolidate their fluency with multiplication tables. Pupils will then focus on the four operations, using mental and written strategies to solve a range of problems – these strategies will include column addition and subtraction, short and long multiplication and division, partitioning, finding equivalence and calculating equal shares. The class will explore the links between calculation and money, measures and time. They will find mean averages and multiply and divide decimal fractions. Pupils will explore 2D and 3D shapes, identifying properties, drawing different triangles and quadrilaterals and making nets of solid shapes. They will measure angles in shapes and angles on a straight line. Pupils will calculate missing angles in shapes and identify lines within different shapes e.g., perpendicular and parallel.</p>	<p>In Science this term pupils will start by exploring electricity. They will explore different forms and sources of electricity. Pupils will construct simple series circuits and explore the effects of adding components to a circuit and the effect of resistance on a circuit. Next, they will classify a range of materials as conductors or insulators, making predictions and carrying out fair tests to test their hypotheses. They will then imagine themselves as electricians, using tools to strip and cut electrical wires before wiring a real plug. Pupils will identify potential electrical hazards and how to manage and limit danger. They will explore living things and their habitats. Pupils will start by looking specifically at the classification system developed by Carl Linnaeus, using this to classify a range of favourite animals. Pupils will then explore the modern classification system of five categories of animals before focusing on arthropods, learning their characteristics and variety. They will then become ecologists, creating an ecology box of arthropods and plants which they will study daily over the course of a week. Pupils will finish the theme by investigating micro-organisms. They will explore helpful and harmful micro-organisms and grow and study real examples using food.</p>
PHSE	PE	Geography
<p>In PSHE this term pupils will study the concept of democracy and how the voting system works in the UK. They will explain why we have a right to vote and how it is a way to have our voices and opinions heard. Pupils will describe how people can contact Parliament through their constituencies and local MP's. They will look at historical events where Governments have made mistakes or bad decisions and identify the ways in which Governments can be held to account, including protests, petitions and boycotts. The class will discuss the difference between prejudice and discrimination and look at the laws and acts that exist to protect marginalised groups. Pupils will anonymously write some prejudices they have on a post-it and they will be asked to consider ways people may be stopped from doing certain things, or blamed for certain things because of their characteristics. They will apply this knowledge to the wider world, such as thinking about jobs and the criminal justice system.</p>	<p>In PE this term pupils will take part in a series of skill-based lessons (Gymnastics to begin and then moving onto Handball) to develop fundamental movement skills becoming increasingly competent and confident and access a broad range of opportunities to extend their agility, balance and co-ordination, individually and with others. Throughout the topic areas pupils will be taught various techniques to promote mental fortitude, strength, strategy, mechanical guidance, power, balance, co-ordination, motor skills, agility, endurance and decision making. Pupils should be able to engage in competitive (both against self and against others) and co-operative physical activities, in a range of increasingly challenging situation. They should develop an understanding of how to improve in different physical activities and sports and learn how to evaluate and recognise their own success.</p>	<p>In Geography this term the pupils will be exploring agriculture. They will define what agriculture means, identifying the four main types of farming in the UK: arable (growing crops), pastoral (raising animals), mixed (both crops and animals) and market gardening (fruit, flowers and vegetables). Pupils will explore what makes land suitable for farming, including the human and physical factors which influence the location and type of farming carried out in any particular area: human - distance to the market, labour, machinery, technology and market prices; physical - climate, soil fertility, drainage, shape of land. They will do a 'hot seat' activity, imagining what the everyday life of a farmer might be like. The pupils will identify how farming impacts a local community and how communities become centred around farming livelihoods e.g., land use, population, local jobs, education. Pupils will discuss the advantages and disadvantages of different types of farming and land use, eg leisure. They will link prior learning of fairtrade to explore sustainability and how consumers can become more concerned about produce, exploring the development of organic food and farming.</p>
History	RE	DT
<p>In History this term pupils will, as part of a local area study, look at World War 2 and the Blitz in East London. They will identify the causes of World War 2 and create a timeline explaining key events. Pupils will look at how Germany advanced through Europe and why the Blitz of 1940 happened. They will then investigate what happened during the Blitz, and the impact it had on the everyday life of children in London. This will include rationing and the experience of evacuees – they will imagine what it was like to be an evacuee, using their knowledge and empathy to write letters home. Pupils will explore the role of women in the war, researching and role-playing different jobs within the armed forces. To finish the topic, pupils will create a piece of art to represent London during the Blitz.</p>	<p>In RE this term pupils will explore the nativity story. They will look at the story from the point of view of different characters, examining their motivations and feelings. They will consider Christmas traditions in the UK (such as presents, cards, food) and how they celebrate at home. The class will also explore Christmas traditions around the world, researching how Christmas is celebrated in a country they have been given. They will sequence these traditions on a timeline. Pupils will compare Christian Christmas traditions to the Pagan festivals from the same time of year. They will make a Christingle, investigating what it is used for and what each part represents. As part of this theme, the pupils will design and make a Christmas card.</p>	<p>In Design Technology this term pupils will be designing and making maze games. The class will start by researching games that are already available – gathering images and testing out different games before identifying their advantages and disadvantages eg used for therapy and to improve co-ordination. Pupils will then design their own maze game and make examples using cardboard, playdough and Lego to explore what works and what doesn't. They will then decide on their final design and create it, ensuring it meets the needs of their target audience. Pupils will be developing problem solving skills as well as learning how to use a variety of equipment such as hot glue guns safely. Finally, pupils will explore ways to market their final product, designing packaging to appeal to their target audience and creating a sales pitch that they will deliver to other pupils.</p>

Enrichment

As part of the Enrichment Programme, pupils will be given the opportunity to experience:

Swimming: Lessons will be on offer to pupils at the local swimming pool. Lessons will be taught by a Swimming Coach who will support pupils in developing their swimming skills such as getting in and out of the pool safely, controlled breathing, floating and treading water and swimming with forward motion.

Horse Riding: Safety rules will be explained and followed. They will practise giving the horses simple commands such as walk on and will use horse riding equipment such as stirrups, a saddle and reins. Pupils will be encouraged to show respect for animals as they explore walking and trotting around the stables and in the woods.

Diverse Voices: Pupils will take part in workshops aimed at developing the pupil's skills, confidence, self-expression and creativity, using drama and role play amongst other techniques. Their objectives are to engage pupils who have limited access to the arts and use Performing Arts as a vehicle to explore important issues and topics relevant to young people. Pupils explore artistic and creative potential building on life skills to improve confidence, communication skills, self-expression and resilience.

Horticulture: Pupils will re-cap the allotment rules and how to use the tools and equipment safely. They will harvest crops planted out in Spring and Summer and will clear and prepare their class vegetable bed for planting out a crop. They will learn about bulbs, planting flowering bulbs in pots for a spring display. Pupils will learn about growing a crop of onions and garlic and start off onion sets and garlic cloves in modules to plant out after half term. They will work on a scale diagram of their class bed in preparation for planting out and will learn how to use horticultural fleece to protect their crops. Pupils will take part in an Autumn tidy up on the allotment and learn about fungi and why they are important. The class will end the term with a quiz and make decorations using pinecones, feathers 'wishing tags' etc. to decorate the allotment Christmas tree.