

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

English	Maths	Science
In English this term pupils will continue to read a range of texts. As well as daily independent reading, pupils will take part in storytime, both listening and reading along. Reading sessions will focus on developing predicting, summarising and inference skills and on fostering an enjoyment of texts from a variety of genres. The class will produce their own narratives using characters they have created based on the work of David Walliams in ‘The World’s Worst Teachers’, developing their understanding of build-up, conflict and resolution and focusing on spelling, punctuation and grammar. When studying the book ‘There’s a Boy in the Girl’s Bathroom’ pupils will create a timeline of events in a story and discuss character motivation and feelings. During their theme lessons pupils will research the various topics and present their findings in different ways: newspaper articles, PowerPoint presentations, fact files, posters.	In Maths this term pupils will be developing their understanding of the names and properties of 2D and 3D shapes. They will then explore positional direction and how to represent location using coordinates. Pupils will investigate angles found in different shapes and calculate areas and perimeters of polygons. They will reflect and translate shapes and points in different quadrants. Pupils will finish the first half term by investigating different ways of collecting, displaying and analysing data and consolidating their understanding of time. They will be developing their knowledge of fractions by finding equivalents, calculating and ordering – this will include mixed numbers and improper fractions. Pupils will represent fractions as decimals and percentages. They will then consolidate their use of the 4 operations in the context of money and problem solving, including making links to fractions and percentages and other measurements. Pupils will explore simple algebra. Finally, they will recap their understanding of place value, rounding and Roman numerals.	In Science this term pupils we will be exploring dissolving. They will start the topic by comparing solids, liquids and gases, identifying their properties and how they link to each other. Pupils will then define dissolving and explore soluble and insoluble materials. The class will investigate if temperature plays a part in the dissolving process, making links to the water cycle. They will investigate if solids can be separated from liquids as well as types of liquids that contain dissolved materials. Pupils will discuss what makes their investigation fair, reliable and what the variables will be e.g., temperature, stirring, size of solid particles. They will then move on to explore Evolution. Pupils will begin by defining and describing evolution before researching the work of Charles Darwin, using diagrams and models to explain his ‘Theory of Evolution’. Pupils will then recap how fossils are formed, the different types and the information they provide. Finally, pupils will research Mary Anning and analyse the impact her work had on evolution.
PSHE	Geography	RE
In PSHE this term pupils will focus on Keeping Safe. They will explore the physical and emotional changes that occur during puberty and will develop their understanding of how growing up can bring increased independence and responsibility. Pupils will discuss the qualities of healthy relationships and will learn the importance of respect, trust and communication. Through discussion and reflection, they will explore personal boundaries and positive relationships with family and friends. Moving on, pupils will learn about medicines and how they can be used safely to support health and wellbeing. Finally, they will explore the differences between legal and illegal drugs and will develop the knowledge needed to make safe and responsible choices.	In Geography this term pupils will explore the topic ‘Renew, Reuse and Recycle’. They will discuss what the term ‘energy’ means and will identify natural energy resources, explaining how they are produced and comparing different types of renewable energy. They will investigate and identify negative aspects of using non-abundant resources. The class will then explore the main resources used to generate electricity and the negative effects of energy production. They will define renewable energy and compare it to non-renewable – e.g., coal and gas vs wind and sunlight. Pupils will identify which types of renewable energy are most effective for the UK. They will explore how materials are recycled and reused in the steel, concrete and glass industry and will make links to trade and the supply chain. The pupils will make posters to compare the UK’s natural resources to other countries and research the uses of natural resources and materials globally. They will discuss how recycling has become a global initiative, identifying why, and the impact this has had. Finally, pupils will explore sustainability and the lifestyle changes people can make.	In RE this term pupils will be exploring humanist teachings. They will begin by thinking about what influences their actions and decision making e.g., family, friends, society, culture etc before explaining and defining religious and non-religious views. Pupils will explore Christian, Hindu, Jewish, Muslim, Sikh and Agnostic world views and discuss their findings. The class will then explore their own world views based on what they have found out and create a piece of artwork depicting their world views. Pupils will research famous humanist thinkers such as George Eliot and Marie Curie, identifying what make them Humanist thinkers and what they have in common. The class will then explore and discuss reactions to Humanist views before designing and creating a poster explaining humanist beliefs that they personally believe in.
Art	History	PE
In Art this term the pupils will design and make memory boxes reflecting on their time in New Rush Hall School Primary. They will design the exterior of their box in a way that reflects themselves and their interests e.g., sports, music before collating images and things that remind them of their time in the primary department. Pupils will apply skills such as drawing, painting, 3D work, photos, collage and print to create pieces of art that represent their feelings, experiences and the people they have known in their time in NRHS Primary. Pupils will make links to their ‘My Heritage,’ history project, exploring ways in which they can represent themselves, through art, in these Memory Boxes. Pupils will be encouraged to refine their designs and justify the decisions they have made.	In History this term pupils will complete a project called ‘My Heritage’. The class will begin by exploring the meaning of heritage and create a piece of art using images that represent their own heritage. They will then identify and sequence significant events within the last century before exploring significant events within their own lives, using the information to write an autobiography. Pupils will then carry out research about their own families and use their findings to produce a family tree, which will form part of their final project. As part of the project each pupil will create a presentation, poster or scrapbook using information gathered related to their heritage, focusing on a family member, the wider community, country or figures and events in history. The pupil’s competed projects will be shared with family/ friends/ teachers during a presentation afternoon where each pupil will display their findings for the visitors to see.	In PE this term pupils will focus on dodgeball, athletics and striking and fielding games. They will begin by mastering the fundamental skills and rules of dodgeball, focusing on techniques such as throwing, dodging, and teamwork. Alongside dodgeball, pupils will engage in athletics, honing their running, jumping, and throwing abilities through various track and field events. Within the striking and fielding topic pupils will focus on mastering the fundamental skills and rules of each sport, focusing on techniques such as batting, bowling, and fielding in cricket, batting, fielding, and base running in rounders, and serving, rallying, and court movement in tennis. Pupils will not only enhance their physical abilities but also develop crucial communication, co-ordination, and strategic thinking skills essential for success across a variety of sports.
Design Technology		Computing
In Design Technology this term pupils will begin by exploring Renewable Energy, including solar systems, wind turbines and plastics. Pupils will investigate how to make different circuits which include solar cells. Next, explore the requirements for electricity by different people in a community and make decisions on how a fixed number of solar cells should be allocated based on needs. Next, pupils will explore how life for people in the rural mountainous regions of Peru is different as they live without access to mains electricity. Explore how small-scale wind turbines have changed people’s lives. Finally, pupils investigate the properties of plastics then find solutions to problems caused by plastic waste globally. Designing and making products from waste plastic for a UK or international market.		In Computing this term pupils will explore coding using 2Code. Pupils will recap the coding vocabulary they know and how to create a simple computer program. They will use selection and how to use an IF statement, Following this, pupils will use co-ordinates and repeat to understand how to use the IF/ELSE statement. Pupils will define what a variable is and use number variables. Finally, pupils will review what they have learnt and create a playable code. Next pupils will explore 2Logo to learn the structure and language of 2Logo to input a simple instruction. They will use 2Logo to create a letter shape and apply the repeat command to create shapes. Pupils will use the procedure feature to create florwes or crystals. Pupils will apply this knowledge to a real-world project using Micro-bit. This will allow pupils to know how to inputs, outputs and computer code work together to make control systems.
Enrichment		
As part of the Enrichment Programme, pupils will be given the opportunity to experience: Spanish: In Spanish this term, pupils will develop strategies to help them remember new vocabulary and will learn how some sounds are pronounced differently in Spanish. They will practise introducing themselves, giving simple descriptions and expressing basic opinions. Pupils will also listen and respond to stories and songs, use numbers 10–12, and learn about the celebration of San Fermín and Spanish-speaking countries around the world. Preparing for secondary: In the summer term, pupils will get time to prepare for mivng onto secondary, exploring changes, resilience and how things may stay the same. Pupils will also get a chance to spend some time in secondary and experience some taster lessons.		