

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

English	Maths	Science
<p>In English this term pupils will be reading:                      - The World’s Worst Teachers by David Walliams                      - There’s a Boy in the Girl’s Bathroom by Louis Sachar                      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.</p>	<p>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.</p>	<p>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.</p>
PSHE	Art	PE
<p>In PSHE this term pupils will explore Transitions. They will start the topic by thinking about the next big transition they are going to experience - moving from Primary to Secondary school. Pupils will compare the differences between Primary and Secondary school e.g., timetables, lessons, break times and think about how their daily routines will change such as moving classroom for different subjects. Pupils will then think about the people who can support them once in Secondary e.g., Mentors, Career Advisors. The class will compile a list of questions they have about what it is like in Secondary and will be given the opportunity to interview various adults that they may work with. The group will take part in class discussions around the importance of exams, the best ways to prepare for them and how they will be used in the future. Pupils will also consider different types of exams and qualifications, leading on to exploring potential jobs they may want to do as adults.</p>	<p>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.</p>	<p>In PE this term pupils will take part in Athletics and Table Tennis. Pupils will continue to apply and develop a broader range of skills, learning how to use them in different ways and in different sports to link them to make actions and sequences of movement. They should enjoy communicating, collaborating and competing with each other. They will develop an understanding of how to improve in different physical activities and sports and learn how to evaluate and recognise their own success. Pupils will be taught to: use running, jumping, throwing and catching in isolation and in combination; play competitive games and apply basic principles suitable for attacking and defending; develop flexibility, strength, technique, control and balance, compare their performances with previous ones and demonstrate improvement to achieve their personal best.</p>
Geography	History	RE
<p>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.</p>	<p>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 completed projects will be shared with family/ friends/ teachers during a presentation afternoon where each pupil will display their findings for the visitors to see.</p>	<p>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 Elliot 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.</p>
DT		Computing
<p>In Design Technology this term pupils will begin by exploring bread from around the world. They will taste and review different types of bread e.g., pita, naan, cholla, focaccia etc and research the different grains and techniques used to make them. The class will also explore what theses breads are traditionally served with and how they compare with bread in the UK. Finally, pupils will design and create their own bread recipes, adding additional flavours to their bread choices. Pupils will then be exploring renewable energy. They will begin by looking at solar energy systems and build circuits using solar cells before moving on to explore wind turbines. They will investigate how small-scale wind turbines have changed people’s lives. Finally, they will look at plastics, investigating the properties and finding solutions to problems caused by plastic waste. Pupils will then design and make products from plastic waste for a UK or international market.</p>		<p>In Computing this term pupils will explore blogs and blogging. They will begin by explaining what a blog is and why people may write them before comparing blogs and vlogs. They will identify the features of a blog and how they can make it appealing to readers. Pupils will then design their own blog using Purple Mash, choosing the format, colour scheme and topic. Once pupils have decided on the theme of their blog, they will write posts about their chosen topic including images to make their posts appealing to readers. They will also explore online safety and identify the risks involved with writing blogs as well as the impact of trolling. Pupils will explore how they can contribute to blogs by adding comments or their opinion about posts. Finally, pupils will share their blogs with each other and will be able to comment on the posts written.</p>