

New Rush Hall School – Year 5 (Emerald) : Spring

English	Maths	Science
In English this term we will be reading a range of texts. Independent reading will be encouraged as well as taking part in story time, reading sessions we will focus on retrieval, inference, summarising and watching character performances. Next steps will be to discover links between the characters in the different book as well as identify the differences in the plots. Using this knowledge pupils begin writing for a specific purpose (e.g., letter writing) and will write a letter to a character in the book their have studied or an author of one of the books the class has read. Pupils will plan their letter by grouping ideas into paragraphs, reflecting on their spelling, punctuation and grammar. Then spend time re-drafting their letter helping to master the skills of writing for a specific purpose.	In Maths this term pupils will recap Reading, Writing and converting time between analogue and digital clocks. Next, pupils will use long multiplication when multiplying numbers up to 4 digits by a 2-digit number and use short division when dividing numbers up to 4 digits by a 1-digit number. They will explore multiples and factors, finding common factors of 2 numbers and all factor pairs of a number. Pupils will compare and order fractions, identifying, naming and writing equivalent fractions by adding and subtracting fractions with the same denominator. Moving on, pupils explore Measure and calculate the perimeter of composite rectilinear shapes in metres and centimetres, calculate and compare the area of rectangles and irregular shapes using standard units, square centimetres and square metres. Pupils will explore 2D and 3D shapes to work with visual information and their problem-solving skills. Pupils will consolidate their understanding of time and time word solve problems.	In Science this term pupils begin by exploring animals and plants and identifying that most living things live in habitats to which they are suited. Pupils will explore a variety of plants and animals in their habitats, including micro-habitats. They will describe how animals obtain their food from plants and other animals, using the idea of a simple food chain. Pupils then begin to identify and name different sources of food. Moving on, pupils will be exploring force, friction and gravity and how it affects objects. By exploring the link between the two, pupils will learn how one can impact another. The class will compare different forces and observe forces in action by planning and investigating the relationship between gravity and weight through practical activities. Pupils will define and explore air resistance by observing things that ‘fall’ through air – learning how does the atmosphere and surface area protect us?
PSHE	Geography	RE
In PSHE this term pupils will focus on Friendships. They will explore the qualities of positive and respectful relationships and will discuss the importance of inclusion, kindness and belonging. Pupils will learn how friendships can change over time and will develop strategies to communicate respectfully and resolve disagreements. Through discussion and reflection, they will explore different forms of bullying and will understand the impact bullying can have on others. Moving on, pupils will discuss stereotypes, prejudice and discrimination and will learn the importance of treating everyone fairly and with respect. Finally, they will explore how attitudes and beliefs can be influenced by others and will develop strategies to recognise and challenge harmful influences.	In Geography this term pupils begin with identifying what is meant by the term trade and define import/export. Identify the UK’s major trade links in the world, discuss the advantages and disadvantages of trade. Next, they will look specifically at exports of the UK, discuss what the UK is famous for producing. Identify ways in which exporting goods has developed over time. They will define the 'global supply chain' 'the journey travelled by clothing, food items and other products through different factories, suppliers and warehouses before ending up as the finished product we buy in shops. Using this knowledge of the global supply chain, over the next two lessons pupils will explore the trade history between UK-India and UK-China. Identify specific products that link the two, and how each country has benefitted from the other. Research bestselling products from each country in the UK. Pupils will bring together the knowledge learnt; discuss advantages and disadvantages of trade (e.g., the lack of Fairtrade.) Link to multiculturalism and how and why specific products are imported/exported.	In RE this term pupils will be re-caping on prior learning about what Muslims believe about God. Pupils will be introduced the Qur’an and the Bible. Learning its purpose and how Muslims and Christians use the Qur’an in everyday life. Pupils will discuss why Muslims believe the Qur’an and should be kept in Arabic – The exact words from God. Pupils will explore several different versions of the bibles – discuss why the prophet Muhammad was chosen by Allah to recite the words of God. In addition to the Qur’an, pupils will explore why Muslims use these sayings of the Prophet Muhammad to help them decide how to act in their lives. Pupils will explore the meaning of this and discuss real life situations where this rule would be important. Moving on, pupils will re-cap previous learning when Jesus and discuss each character’s values and how the sayings would affect the way Muslims live their lives. Recap how Jesus and Muhammad are important to Muslims and Christians.
PE		History
In PE this term pupils will focus on fitness, hockey, netball and tag rugby. Pupils will engage in a variety of fitness activities designed to enhance cardiovascular endurance, muscular strength, and flexibility, laying a strong foundation for overall physical well-being. In hockey pupils will learn essential skills such as stick handling, passing, and shooting, as well as game strategies and positional play. By combining fitness sessions with hockey drills and gameplay, pupils will not only improve their physical fitness but also develop teamwork, co-ordination, and sportsmanship essential for success in both fitness pursuits and team sports like hockey. Pupils will focus on refining essential techniques such as passing, shooting, and defensive positioning in netball, and running, passing, and tagging in tag rugby. Through structured activities, scrimmages, and game simulations, pupils will deepen their understanding of game tactics, teamwork dynamics, and sportsmanship principles.		In History this term the classroom will go back in time to explore the life of Ancient Greece, pupils will be learning about the Ancient Greeks lifestyles, - jobs, food, clothing and housing their beliefs of Gods and religion. Some ways pupils will be exploring this will be through practical activities such making pottery. Pots from Ancient Greece are an important way we can find out about what life was like as they are often decorated with scenes of everyday life. Moving on, pupils will explore the city of Athens and Sparta, finding out about their differences. Identify significant buildings in both cities, and research how they compare now. Pupils will explore maps of Ancient Greece and how it was split into City states with their own Government and how historians believe this was the first example of a ‘democracy.’ Pupils will explore this belief of democracy to evidence that suggests 40% of the population in Greece were slaves. Pupils will explore the life of a slave during this time, the jobs they had, and their lack of human rights.
Computing		Design Technology
In Computing this term, pupils will be exploring Information Technology and Computer Science. Pupils will use 2Calculate to learn how to use spreadsheets effectively. Pupils will be introduced to what a spreadsheet is used for and their purpose. Pupils will add and edit data in a table to automatically create a graph. They will learn about cells and how to formulate calculations. Pupils will add a spin button and interpret line graphs. Pupils will then use Microsoft PowerPoint to create presentations about a topic they find interesting. Pupils will first learn how to add text to a presentation before exploring adding media, animations and timings to each slide. Pupils will finally, use these skills to design and present an effective presentation.		In DT this term pupils will begin by exploring Ancient Greek inventions such as the crane, waterwheel, winches and alarm clocks. Pupils will research how these inventions have developed and improved over time, and the impact they have had on modern society. They will design a waterwheel (used to power the mill and the toothed gears used to transfer the power to the mill.) Next, pupils will design a crane, (used to help lift heavy items such as blocks for constructing buildings.) Moving on, pupils will create and design a pizza, considering its base, toppings and nutritional value. Pupils will research traditional Italian methods of pizza making (dough) and how these vary regionally in Italy and explore western takes on pizza e.g., Chicago style pizza and compare these to traditional pizzas.
Enrichment		
As part of the Enrichment Programme, pupils will be given the opportunity to experience: Drama: Within their classes, pupils will take part in a range of drama activities to develop their confidence, communication and social skills. Through role play, storytelling and performing, pupils will build their imagination, self-expression and ability to work collaboratively with others. Social Skills: In this term, pupils will be exploring a range of social activities to improve their social skills including games like Emotion Charades, Role-Playing, and Cooperation Obstacle Courses, as well as creative approaches such as Group Art Projects, Community Service, and Journaling. Providing opportunities to improve communication, boost confidence and self-esteem, foster teamwork, enhance emotional intelligence and empathy, and teach practical life skills like conflict resolution and problem-solving. Social Group: This term, pupils will take part in activities, discussions and role-play opportunities to support their personal, social and emotional development. They will build confidence, improve communication skills and develop positive relationships with others. Pupils will learn about making safe connections online and in person, and how to build respectful relationships. They will explore healthy habits and how daily choices can support physical and emotional wellbeing. Pupils will also be introduced to basic first aid and learn how to respond in simple emergency situations. In addition, they will develop skills to identify reliable information, spot fake news and support their mental health and wellbeing through positive coping strategies. Cooking: In cooking, pupils will develop practical cooking skills by preparing a range of simple recipes. Through hands-on activities, they will learn about food preparation, kitchen hygiene and the safe use of equipment. Pupils will explore different ingredients, tastes and textures while building confidence and independence in the kitchen. By following recipes and working together, they will enhance their fine motor skills, communication and teamwork. Cooking activities will encourage creativity, problem-solving and resilience, while fostering an enjoyment of food and an understanding of where food comes from.		