

New Rush Hall School – Year 4 (Amethyst 4) : Autumn

English	Maths	Science
In English this term pupils will focus on retrieval, inference and summarising the key texts through a variety of fiction and non-fiction books. Pupils will be creating their own narratives, sequencing stories, writing setting descriptions, and focusing on editing and improving our writing. Through practicing their spelling rules further to use prefixes and suffixes how they can change the meaning of a word by understanding how to add them to their writing piece. Pupils will practice placing the possessive apostrophe accurately in regular and irregular plurals and place the possessive correctly. Pupils will develop reading and writing in the present and past tense for a variety of purposes. Through daily Reading Carousel activities pupils will explore alternative phonics sounds, tricky words and handwriting.	In Maths this term pupils will begin with re-capping our knowledge of place value. Understanding the value of each digit in a number 1s, 10s, 100s, 1000s, 10000s, partitioning up to 5-digit numbers including decimals. Pupils will compare and order numbers up to 5 digits, using < > = sign (greater than, less than, equals to), rounding to the nearest 1, 10, 100, 1dp (rounding to estimate). . Pupils will be able to read and write Roman Numerals up to 100. In addition, we will then focus on the four operations, using mental and written strategies to problem solve. Pupils will explore 2D and 3D shapes, specifically angles, symmetry and rotations. Pupils will find and draw a range of 2D and 3D shapes from their environment. Pupils will also describe these shapes in terms of their properties.	In Science this term pupils will be exploring Electricity. Pupils will begin by researching Benjamin Franklin, as he is believed to be the first person to discover electricity. Then looking at how different forms of electricity can be created. Pupils will create an electrical circuit, identify and name the parts of a lightbulb, explain how it works and explore how Thomas Edison is believed to have invented lightbulbs, and discovering how have they changed over time. In the second part of the Autumn term, we will explore States of Matter. Making links to the water cycle, this will enable us to explain how evaporation and condensation happens. Pupils will define the different states of matter, identify objects and classify them into each state of matter. Pupils will plan and investigate the rate of change of solids to liquids, planning and investigating the process of freezing.
PSHE	Art	PE
In PSHE this term pupils will focus on Mental Health and Wellbeing. They will explore a range of emotions and will develop their understanding of how thoughts, feelings and actions are connected. Pupils will discuss different internal and external distractions and will learn strategies to help them stay focused and manage their wellbeing. Through reflection and discussion, they will explore how thinking habits can influence emotions and behaviour. Pupils will learn practical ways to manage worries and will identify trusted adults who can offer support when needed. Finally, they will explore self-calming techniques and will develop strategies to help them respond thoughtfully to challenging situations.	In Art this term pupils will be identifying different ways art expresses surrealism. Pupil will analyse art pieces created by Frida Kahle and Salvador Dali and identify characteristics of surrealism and explore the common theme in their work. Pupils will discover the hidden message behind famous surrealist work and encouraged to unpick the messages independently. Next, pupils will create their own piece (drawing, collage, photography) of surrealist artwork and replicate some of the pieces they have examined. Pupils will create a hidden message in their own artwork and present their piece of work to the class to see if anyone can decode their artwork.	In PE this term pupils will focus on developing fundamental skills in football, basketball, handball, athletics and gymnastics. In football, they will concentrate on basic dribbling, passing, and shooting techniques, as well as introductory defensive tactics. In basketball the focus will be on dribbling, passing, and shooting, along with understanding basic teamwork strategies. In handball, they will learn basic passing, catching, and shooting techniques, along with understanding the basic rules of the game. Athletics lessons will emphasize running, jumping, and throwing skills, helping to improve their overall physical fitness and co-ordination. In gymnastics, pupils will work on balance, co-ordination, and flexibility, practicing simple routines and movements. These activities are designed to enhance their co-ordination, agility, and cooperation, laying a strong foundation for future sports participation.
Geography	History	RE
In Geography this term pupils will be exploring Extreme Weather around the world including flooding, droughts and tornadoes, extreme heat etc. Pupils will look at maps of the world and identify where extreme is likely to happen and why. Pupils will collect information regarding specific events both in the UK and internationally. Pupils will learn how to sequence the different types of extreme weathers and be able to explain how these weathers are formed. Pupils will discover the different ways people adapt their lifestyle to be able to survive and live-in areas of the world that experience different types of extreme weather. Pupils will then move on to examining the effects of extreme weather & Climate change and how Climate change can impact people in our local community but also how it impacts people around the world.	In History this term pupils will be learning about the Anglo-Saxons. We will explore the origins of the Anglo-Saxons, research how and why they invaded Britain and explore life during the Saxons, including religion and the jobs people had. Pupils will also explore the life of Alfred the Great and the significance of him being a Prince during the Battle of Ashdown. Identify what Alfred the Great introduced to Anglo-Saxon Britain e.g., laws, education, language and the navy then discuss how life would be different for children and the jobs (farmers, craftsmen, soldiers,) available to people. Identify similarities and differences and the reasons why. Pupils will be introduced to paganism, what it is and the beliefs and culture associated with being a pagan. Then discuss the influence Rome and the Pope had on convincing Anglo-Saxons to become Christian. As this still stands today, finish by discussing the legacy on the Anglo-Saxons.	In RE this term pupils will be learning about what it means to belong to Hinduism. Reading the story of Svetaketu, to identify and teach the core principles of Hinduism to pupils. They will discover the characteristics of Hindu gods and goddesses, the artefacts associated with them, and how these relate to Hindu beliefs. Pupils will be able to explain these in their own words and consider how they show aspects of their own personalities. Pupils will then examine the significance of shrines for many Hindus and then create their own shrine. Pupils will further develop their knowledge by studying Hindu puja. Puja rituals, their meaning, and the symbolism of offerings are explained. Pupils will learn about what a mandir is, the significance of some of their features, and how Hindu's worship in them. Pupils then compare and discuss this to Hindu worship at home.
Design Technology		Computing
In DT this term pupils will be making packed lunches. Pupils will research pack lunch items currently available on the market and explore the importance of a healthy diet. Using this knowledge pupils will design their own packed lunches meeting the design brief. Pupils will adapt and refine their design as the project unfolds. They will then create their packed lunches and discuss the nutritional benefits of it. Pupils will be encouraged to troubleshoot and problem solve as part of this process. At the end of the project pupils will evaluate their product and explore alternative packed lunch options, researching how packed lunches look different across the world. They will evaluate whether their final product met the design brief and complete questionnaires as part of this process.		In Computing this term, pupils will be exploring Digital Literacy, Information Technology and Computer Science. Pupils will explore safe searching and how to use the internet safely for research. Pupils will then explore how to use different object types in 2Code. Pupils will develop a background and objects to create a scene and plan an algorithm for their scene using 2Code to program it. This will lead on to creating a program that includes an IF statement. Pupils will explore coding that includes repeat until and IF/ ELSE command is used. Pupils can create a program that includes an IF/ ELSE statement. Pupils will now learn what a variable is in programming. They will create and use variables when programming. Finally, pupils will be making music using 2Beat to edit and combine sounds to make a tune.
Enrichment		
As part of the Enrichment Programme, pupils will be given the opportunity to experience: Horse Riding: At Chigwell Riding Trust which houses both an indoor and outdoor riding school, that we visit all year round. Here, pupils learn how to care for and ride horses, encouraging respect, responsibility and friendship. Safety rules will be explained and followed. They will practice giving the horses simple commands such as walk on and will use horse riding equipment such as stirrups, a saddle and reigns. Pupils will be encouraged to show respect for animals as they explore walking and trotting around the stables and in the woods. Board Games: Within their classes, pupils will play a range of board games, to develop their sharing and turn taking skills. The games will support the pupils with their teamwork and building their sportsmanship. Through a range of board games pupils will be provided a structured environment for fun, creativity, and cognitive challenges. Experiments: Pupils will apply their working Scientifically skills to complete a range of experiments. This will enable pupils to foster curiosity, develop critical thinking, and a love for learning through hands-on exploration. By working collaboratively, pupils will enhance their fine motor skills, develop their language, and social skills. Sensory play: Provides pupils with an opportunity to develop their tolerance to a range of sensory feelings and textures within a group setting. It is crucial for their development, fostering learning and growth through engaging their senses Through sensory play pupils will work on communication skills, their language development, emotional regulation, and social skills. They will explore textures such as Playdough, Kinetic sand, Oobleck, slime, putty, sand, water and mud. Cooking: Within their classes, pupils will take part in a range of simple cooking activities to develop their independence, fine motor skills and understanding of healthy eating. Through exploring different ingredients and following simple recipes, pupils will build their communication, social and life skills while learning about kitchen safety and hygiene.		