



Stockport Grammar Junior School –Curriculum Information for Parents 2023-2024

Year 6

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Mathematics	<p>In place value, we will read, write and order numbers up to 8 digits, round integers and look at negative numbers. We will continue to practise the four rules of operations, including long multiplication and division, as well as the order of operations. We will also look at special numbers: factors, multiples, squares, cubes and primes. Within our fraction work, we will compare, order and find equivalent fractions, revise how to add, subtract, multiply and then learn to divide, all including mixed number fractions. With decimals, we will round to the nearest tenth / hundredth and then multiply and divide by integers. We will complete this section by finding equivalent fractions, decimals and percentages. Our shape work will focus on revising finding the perimeter, area and volume of rectilinear shapes. We learn a little algebra at this point: using function machines, substituting amounts into simple equations and solving problems with two unknowns. Entrance exam practice will take place within lessons throughout the term.</p>		<p>Year 6 will continue to focus on the teaching of new skills with an emphasis on application to reasoning and problem solving. We will look at multiplication and division involving long method with decimal numbers as well as mental strategies; using partitioning to mentally multiply 2-digit numbers with one decimal place by whole 1-digit numbers. We will explore 2D shapes, particularly quadrilaterals, in relation to their diagonals and interior angles; circles are also taught, along with relevant terminology. Mental and written addition and subtraction methods, including solving word problems with money and decimals. Factors and multiples will be taught and how they fit in with number patterns. Data representation and manipulation, including line graphs, pie charts and the use and calculation of averages will be revisited and we will also continue to consolidate learning of position on a 4-quadrant coordinate grid, with polygons being plotted, translated and reflected.</p>			

English	<p>The focus for this term is to develop pupils' descriptive writing skills through reading and responding to a range of narrative texts, commencing with 'The Nowhere Emporium' by Ross Mackenzie. Children will extend and refine their abilities to create effective settings and character, and to develop atmosphere and interest in their writing with purpose and audience in mind. They will learn to write and self-evaluate their writing to a set of five key criteria, 'The Fabulous Five,' which include: Descriptive Detail, Figurative Language, Accurate and Advanced Punctuation, Varied Sentence Structure and Effective Vocabulary choices.</p> <p>In the following unit, children will hone their ability to independently compose and review several extended, timed pieces of narrative writing incorporating skills taught whilst extending their knowledge and application of a range of sentence structures to engage the reader. Key grammar concepts needed to write effectively and to support comprehension of texts read are continuously reviewed and extended across Autumn 1 and 2.</p>		
	<p>Heroes and Villains' is the focus for our unit of work for Spring. In Spring 1, children will be exploring the traditional tale, Hansel and Gretel and 'Older Literature' through William Shakespeare's 'Macbeth'. They will be reading and responding actively – including via drama techniques- to different versions of the story. In Spring 2, we will have a non-fiction focus. In both units, children will explore and explain the meaning of new vocabulary encountered from the context of the text and explain its effect on the reader and reasons why the author may have selected these words, phrases and techniques. We will continue to develop inferential reading skills, analysing characters' feelings, thoughts and motives. We will compare characters and recognise and compare themes within and across texts. Children will develop their skill level in using justify, evidence and explain points and inferences they make. They will progress and hone their extended writing skills, including accurate application of spelling, punctuation and grammar across a range of written fiction and non-fiction pieces.</p>		
Science	<p>Children will learn about classification and how to group living things.</p>	<p>Electricity: children will investigate electricity and associate the brightness of a lamp or the volume of a buzzer with the number</p>	<p>Electricity: children will continue with this unit of work.</p> <p>Keeping Healthy: children will learn the importance of a healthy lifestyle focusing on</p>

	Children will see that living things change over time. They will examine how living things produce offspring of the same kind and will look to identify how animals and plants are adapted to suit their environment and that adaptation may lead to evolution.	and voltage of cells used in the circuit. They will use/interpret circuit diagrams to construct a variety of more complex circuits predicting whether they will 'work'. They will also investigate renewable forms of energy.	diet, sleep and exercise and things that may be harmful to them. They will also study the major organs with an emphasis on the heart.	
Humanities	<p>Geography Protecting our Environment In this unit, the children will consider if we are damaging our world and how we can protect it. The children will investigate energy production, the oceans and minerals, as well as conducting an enquiry into how the school can become more sustainable.</p> <p>Geography Our World in the Future: children will learn about sustainability and development of the local area. They will explore how life may be different in the future.</p>		<p>Geography Amazon Children will find out about the Amazon region of South America, considering what it is like to live in the region as well as how it is being damaged and how it can be protected. This builds on previous work the children have done on rainforests and climate.</p> <p>History The Maya This will then lead on to our topic of the Mayans. We will look at life as a Maya, their trade systems, their complex religious and social hierarchy, and their unique system or numbers and writing.</p>	
Art/Design Technology	<p>2D Drawing to 3D Making Explore how 2D drawings can be transformed to 3D objects. Work towards a sculptural outcome.</p>		<p>Pop Art and Lino Prints The children will complete an extended art project and experience lino-printing, taking</p>	

	Build a Trebuchet and Control Mechanisms with Crumble(2) The children will build a working miniature trebuchet, evaluate and refine their product in order to fire a missile as far as possible. They will then extend their programming knowledge and utilise different sensors on their Crumble models to solve problems.		inspiration from Andy Warhol's 'Endangered Species' exhibition.	
Computing	Topics of study will be computers and networks. Children will also look at how binary code is used in computing. Finally, they will be introduced to spreadsheets.		Pupils will use technology to create digital art. They will also learn new programming skills to create an animated scene, then carry out independent programming tasks. Children will also be learning how to use software to create music.	.
	My Online Life: Throughout the year, the children will be thinking about all aspects of their online life and considering how to be safe and responsible while using the internet and technology.			
R.E.	Buddhism: What do we mean by a 'good' life? Children will explore Buddhist culture and values with focus on the Eightfold Noble Path and the Four Noble Truths.	Christianity – God: How do Christians mark the 'turning points' on the journey of life?	The key question this term is: Is life like a journey? We shall be looking at Christianity, focusing on Jesus and asking: Why do Christians believe Good Friday is good? In the second part of the term, we shall be looking at the Church and asking: If life is like a journey, what's the destination?	
P.E/ Swim	In the lessons, children will take part in a range of fitness tests, develop their knowledge of stretching		In gymnastics, pupils will learn about body tension and posture for balance. They will create individual, partner and group routines.	

	<p>and flexibility and improve their key movement skills.</p> <p>In swimming, children will refine strokes and develop racing techniques, including starts, underwater transitions, turns and finishes. We will be also be developing our distance streamlined kick for each stroke.</p>		In swimming, the focus will be on stroke technique and competitive starts, underwater transitions, turns and finishes for all strokes.	
Games	<p>Pupils will test their key skills under pressure, in game situations. They will learn to perform effectively as part of a team. Pupils will develop a tactical understanding and learn to deal with both winning and losing.</p>		Games will include football and hockey for boys and netball and football for the girls. Pupils will have the opportunity to use the taught skills in both inter house matches and games against local schools.	
PSHE	<p>We plan to focus our curriculum on building children's self-esteem, learning attitude, wellbeing and building strategies for dealing with worry and anxiety.</p> <p>Through our 1 Decision programme, Year 6 will look at how to safely make friends and interact online, responsible in-app purchases and how to deal with exam related worries and stress. We will explore some elements of puberty and adolescence. Finally, we will explore some basic first aid theory.</p>		<p>Following the introduction of first aid theory, we will explore practical aspects of what we have learned.</p> <p>We will focus on the British values, making comparisons with our Golden Rules and school values.</p> <p>We will also discuss responsibility and stealing. Making links with science, we will explore alcohol and its effects.</p>	
French	<p>Revision of Year 5 general conversation questions. My town and directions/my home.</p>		Food and drink. Café/restaurant/shop role-plays. Numbers 1-100 and prices	
Music	<p>Latin American Dance Music:</p> <ul style="list-style-type: none"> Samba Bossa Nova 	<p>Introduction to the Spring Show</p> <p>Pirates of the Curry Bean</p>	<p>Pirates of the Curry Bean – A Musical</p> <p>Music for the Spring Show, including home learning on GC</p>	

	<ul style="list-style-type: none"> • Tango • Cha Cha Cha <p>Dance</p> <ul style="list-style-type: none"> • movement and pulse <p>Time Signatures & Conducting Basics</p> <p>Singing – the basics</p> <ul style="list-style-type: none"> • Singing together • Making a great sound • Pitch – focus on the changing voice • Carol Service <p>Show Auditions - October</p>	<ul style="list-style-type: none"> • Following a Score • Learning Group Songs – Start and Finish <p>Christmas and Show Songs</p>	<ul style="list-style-type: none"> • Continue learning songs, adding dynamics and dramatic movement. • Understand the importance of clarity of diction, characterisation and communication during performance. • Dancing in time to music. • Choreography. • Performance techniques. • How to sing whilst doing actions or moving. • Vocal health, singing well, improving tone quality. <p>Rhythm and notation skills via Harry Potter puppet pals and own compositions</p> <p>Musical Elements:</p> <ul style="list-style-type: none"> • Pitch • Tempo • Dynamics • Rhythm • Texture • Timbre 	
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