



Stockport Grammar Junior School – Curriculum Information for Parents 2021-2022

Year 4

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Mathematics	Children will develop mental and written methods in addition and subtraction work and early focus will be on place value to the nearest 10, 100 and 1000; they will continue to learn the 6 and 9 times tables and work on multiplication and division skills, including fractions. They will measure in m, cm and mm and begin to convert multiples of 100 in some units of measurement. They will read scales, estimate capacity, tell the time and explore time intervals. There will be an introduction to decimals and some interpretation of information using statistics. There will be the opportunity to carry out increasingly challenging problem-solving tasks and activities in order to start developing higher level skills in this subject.		Learning will focus on mental and written methods for addition, subtraction, multiplication and division, with an emphasis on problem solving. There will be continued work on times tables with the focus this term on the 7 times table. We will revisit the 12 hour and 24 hour clocks to tell the time, both digitally, and using an analogue clock. Fractions will be studied, along with equivalence to decimals, building on last term's work. We will also learn about angles, 2D shape and line symmetry.			
English	'Desert Island' will be the theme for the first half term, with work based on the novel 'Kensuke's Kingdom' by Michael Morpurgo. Key learning for reading will focus on developing vocabulary, making predictions and using active reading strategies to generate questions, find answers and use evidence from the text. Writing skills will focus on using fronted adverbials, inverted commas and other punctuation to indicate direct speech. Following on from this, the children will look at		For the first half term we will read stories with issues and dilemmas, collecting effective words and phrases and using dictionaries to check the meanings of words. This will lead to writing stories using the plot structure from a model text. Key learning in writing will improve setting descriptions, characterisation and the use of paragraphs to organise writing. Grammar work will focus on creating complex sentences with adverb starters and using speech punctuation correctly. Following this,			

	examples of different explanations, developing their understanding of paragraphs and using a variety of conjunctions. After half term, we move onto a new topic, 'The Great Plague', looking at a variety of fairy tales and learning to use commas to mark clauses in complex sentences. We continue this topic with a study of classic narrative poetry and finally we will write news reports and explore, identify, collect and use noun phrases.		we will be studying persuasive writing, analysing the features of adverts and exploring and collecting effective noun phrases. We will discuss and record ideas for planning before creating our own adverts. The second unit of the Spring Term consists of work based on the classic novel 'Gulliver's Travels'. We will be looking at this text in detail, writing stories and producing non-chronological reports. Grammar will focus on using determiners, pronouns and Standard English.		
Science	Children will construct simple circuits and test electrical conductors and insulators. They will test switches within a circuit and relate knowledge about metals and non-metals to their use in electrical appliances.	They will describe the simple functions of the parts of the digestive system in humans, identify the different types of teeth in humans and their simple functions. They will also construct and interpret a variety of food chains, identifying producers, predators and prey	We will learn the characteristic properties of solids, liquids and gases through exploration of typical materials and through classifying examples. We will learn about the water cycle, linking to Geography, and introduce reversible changes.	We will build on the children's understanding of hearing. They will develop their vocabulary for describing sounds and identify different sound sources. They will learn that sounds are made by vibrations which travel through a medium to the ear.	
Humanities	Children will study: The Americas – looking at key cities in North and South America. The Ancient Egyptians – how much did the Ancient Egyptians achieve?		<p>Geography – Learning will focus on rivers. It will introduce the water cycle and mountains as the source of many rivers. Children will consider how people interact with rivers as well as their geographical features.</p> <p>History – Children will learn about the Roman invasion of Britain and its impact on the lives of the Celts, considering whether Roman settlement was a positive experience for all involved, and explore the long-term legacy of the invasion. They will use a</p>		

			variety of sources of evidence including visual, archaeological and written.	
Art/Design technology	In art this term, the pupils will develop a better understanding of 3-D space, develop the ability to work with straw & pipe cleaners as sculptural materials and use inks and paint to create pattern and colour. In DT, children will learn sewing skills and begin work on a stuffed toy.		In art, the children will continue work on their sewing project from the Autumn term. In DT, they will Investigate pneumatics and hydraulics, before designing and making a pneumatic toy.	
Computing	Multimedia presentations will be the focus in ICT. Followed by exploring how the internet works, how computers work and what peripherals are.		Pupils will use two different software packages to learn and develop their computer programming skills.	
	<p>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.</p>			
R.E.	Christianity – God. Pupils will learn that the Bible is not one book but a collection of books, written by different people at different times. They will develop their skills in reading and interpreting religious texts and learn about other sources of wisdom and authority that may guide Christians in making moral decisions.	Christianity – Jesus. Pupils will investigate Jesus through the concept of sacrifice.	The key question this year is: How should we live our lives? We shall be looking at Christianity, focusing on the Church and asking: What does ‘love your neighbour’ really mean? In the second part of the term, we shall be focusing on Hindu Dharma and asking: What might a Hindu learn from celebrating Diwali?	
P.E/ Swim	In PE lessons, pupils will take part in a range of fitness tests, develop their knowledge of stretching and flexibility and improve their key movement skills.		In Swimming, we will work on stroke improvement and basic skills including, push and glides, diving and sculling. Gymnastics; Children will show symmetry and asymmetry through rolls, jumps and spins. They will	

	Refinement of main strokes will be the aim for Year 4 children.	adapt ideas on apparatus and refine sequence building and collaborative skills.	
Games	In Games, boys will improve their game understanding and spatial awareness in both football and rugby and girls will do the same with hockey and netball skills. All skills taught in the lessons can be further developed by attendance at clubs.	In Games this term, the boys will play football and hockey. The girls will play netball and football. There will be an opportunity for pupils to play in mixed house fixtures.	
PSHE	Through the 1 Decision programme we will look at Cycle safety, making the right choices about being safe. We will also look at keeping healthy and what is meant by a healthy lifestyle. We will also look at relationships, body language and touch.	We will recognise our thoughts, feelings, and emotions, and identify the differences between those that feel good and those that do not feel so good. We will also describe how we can support others who feel lonely, jealous, or upset. In the second part of the term, we will look at online bullying and think about how to recognise the key values that are important in positive online relationships.	
Spanish	Revision of Spanish greetings, feelings, numbers 1-20 and colours. Family, pets/animals and numbers.	Parts of the body and descriptions.	
Music	<p>Notation</p> <p>More Opera & More Voice Types: <i>Hansel & Gretel</i></p> <p>Singing</p>	<p>Notation – Note Values & Treble Clef: <i>Grandfather Clock</i> revised (keyboard)</p> <p>Carol Service</p>	<p>Medieval and Tudor Music – composition and performance project:</p> <ul style="list-style-type: none"> • Neumes • Music in 3 time • Writing basic notation • Historical context • Singing – L’Homme Arme • Dance – Tudor Dances and moving in time to music