



**Stockport Grammar Junior School – Curriculum Information for Parents 2020-21**  
**Year Four**

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
<b>MATHEMATICS</b>						<p>Learning will focus on the consolidation of place value as well as extending knowledge of times tables, using this to develop understanding of harder written algorithms. We will look at area and perimeter again this term, as well as studying Roman numerals. We will develop and enhance the concept of decimal fractions and rehearse the four key operations, focusing especially on multiplication and division. Our final topic covers coordinate geometry.</p> <p>Throughout all the units, we will be emphasising problem solving skills, using RUCSAC to help us tackle word problems methodically.</p>
<b>ENGLISH</b>						<p>We will study 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. Grammar work will focus on revision of complex sentences with adverb starters and using speech marks correctly. Following this, we will be studying</p>

					persuasive writing in the form of adverts. The second unit of the Summer 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 the revision of expanded noun phrases and the correct use of determiners.
<b>SCIENCE</b>					Pupils will look at habitats and how they change throughout the year. Pupils will also learn how to group living things into animals – vertebrates and invertebrates and plants into flowering and non-flowering. They will explore examples of both the positive and negative effects of population and development.
<b>HUMANITIES</b>					<b>Geography</b> - Learning will focus on earthquakes and volcanoes. Children will explore key aspects of volcanoes and earthquakes. They will study the distribution of earthquakes and volcanoes, be introduced to plate tectonics and learn about the 'Ring of Fire'.  <b>History</b> - Children will learn about how crime and punishment has changed over time. They will look at case studies to understand triggers for change and develop an appreciation that some things remain the same over time.
<b>ART/DESIGN TECHNOLOGY</b>					<b>Art</b> – Children will make observations of leaves and learn the technique of felting to create rainforest leaves. Exploration of colour, texture, detail and embellishment will be the focus.

				DT - Investigate pneumatics & hydraulics. Explore how air can be used to create movement. Design a pneumatic toy.
COMPUTING				Pupils will use two different software packages to learn and develop their computer programming skills.
	<b>My Online Life:</b> 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.				Children will study Judaism and Sikh Dharam, exploring core beliefs and values and how these might be expressed through use of symbols, clothing and worship. They will consider how these affect people's actions and acts of charity towards others.
P.E./SWIM				<p>In swimming we will be working on improving all four strokes. Working towards improving stamina. In the second half term, we will introduce competitive skills - (starts and finishes).</p> <p>PE will focus on Athletics. Children will learn about the various events they will compete in at sports day as well as developing techniques to help them run faster and further, throw and jump.</p>
GAMES				Games will cover striking and fielding. Children will experience playing both rounders and cricket and will learn about the different roles of batting, bowling and fielding in the team.
PSHE				Children will think about feelings and emotions with a focus on jealousy and how we can think, feel and behave when experiencing this emotion. Children will also

			a world without judgement , focusing on equality, diversity and cohension.		
<b>SPANISH</b>			<table border="1"> <tr> <td>Children will learn vocabulary and culture of Family and physical descriptions.</td> <td>Children will learn Spanish food and drink names.</td> </tr> </table>	Children will learn vocabulary and culture of Family and physical descriptions.	Children will learn Spanish food and drink names.
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<b>MUSIC</b>			<p>Pupils will continue to develop their notation skills and expand their knowledge of rhythmic notation to pitch notation and score</p> <p>We will explore and learn about the instruments of the orchestra, orchestral families and the science of sound and timbre.</p> <p>We will explore the mechanics of several instruments, covering brass, wind, strings and percussion, linking with the general school's Science curriculum.</p> <p>Through singing, musical games and listening to a range of musical compositions, children will further develop their general musicianship and gain an understanding of musical elements.</p>		