

South Bersted C.E. Primary School – Long Term Plan Year 5 – 2018 - 2019



	Autumn		Spring			Summer		
Creative Topic	<i>Earth and Beyond</i>	<i>Are we destroying our Planet?</i>	<i>Did the Mayans discover chocolate?</i>	<i>Destination Mexico!</i>	<i>Fair-trade!</i>	<i>It's all Greek to Me!</i>	<i>Bognor to Brighton</i>	
English Genres	Diary entries Non-chronological reports Newspaper reports Biographies Texts: Sea of Tranquility Bob Man on the Moon Dr Zargel books	Discussion Explanation Narrative Texts: 'Varmints' Helen Ward. Trash	Narrative Information Text Children's Choice Persuasive Writing Explanation Texts Texts: The History Detectives: Mayan Civilization The Hero Twins The Chocolate Tree			Narrative Instructions Poetry Texts: The Girl of Ink and Stars Who let the Gods Out You Wouldn't Want to be a Greek Olympian.		Information Text Non-chronological reports Texts: TBC
Spellings	Focus on the Year 5 and 6 spelling list from the National Curriculum.		Pupils will deepen their understanding of suffixes including ate, ise, ify and ation. In addition to this, pupils will also focus on the prefix dis.			Pupils will focus on adverbials and modal verbs. In addition to this, pupils will focus on words ending in cious, tion, ant, ancy, ance and ation.		
Maths	Read, write, order and compare whole numbers. Multiply and divide whole numbers and decimals by 10 and 100. Revise 12 and 24 hour time, including reading and converting between the two. Pupils will calculate the area and perimeter of rectangles and convert between metric measures. In addition to this, pupils will identify multiples and factors of a given number. Pupils will refine their written methods for multiplication and division with remainders. Use a protractor to draw and measure angles. Pupils will also name parts of a circle. Order and compare numbers up to 100,000.		Pupils will place 6 digit numbers on a number line. Use rules to test divisibility. Know the properties of triangles and use key vocabulary to classify them. Read scales and convert metric measures. Pupils will apply their understanding of addition and subtraction to solving a range of word problems. Calculate fractions of amounts. Pupils will use isometric paper to draw a range of polygons. Convert improper fractions to mixed number. Solve a range of problems linked to the four rules of number.			Mentally add and subtract decimals including money. Use short multiplication to multiply 3 and 4 digit numbers by a 2 digit number. Read write and compare decimals. Multiply whole numbers and decimals by 10, 100 and 1,000. Read and plot co-ordinates in all 4 quadrants. Calculate factor pairs. Estimate the area of irregular shapes and calculate the area of compound shapes. Begin to explore percentages and relate them to fractions and decimals. Use line graphs to represent changes in temperature.		

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<p>Science</p>	<p>Earth and Space: Pupils will be able to describe the movement of the Earth and other planets within our solar system. In addition to this, pupils will be able to explain the Earth’s rotation and how this causes day and night.</p>	<p>Forces: Pupils investigate the impact of forces on different objects. Pupils will identify the effects of air resistance, water resistance and friction. Pupils will also investigate that pulleys and gears allow a smaller force to have a bigger impact.</p>	<p>Materials: Pupils will use their knowledge of solids, liquids and and gasses to separate materials. In addition to this, pupils will explore reversible and irreversible changes.</p>		<p>Animals including humans: Pupils will describe the changes as humans develop into old age. Pupils will use deepen their understanding of gestation periods and look for trends in data.</p>	<p>Living things and their habitats: Pupils will describe difference in life cycles. In addition to this, pupils will also describe the life process of reproduction.</p>
<p>Computing</p>	<p>During the Autumn term, pupils will continue to deepen their understanding of using technology safely, respectfully and responsibly.</p>	<p>In using a range of sources to research elements of the plastic pollution, pupils will compare a range of sources and validly of websites.</p>	<p>During the Spring term, pupils will use spread sheets for collecting and interpreting data. Pupils will also begin to explore conditional formatting.</p>	<p>Using the Learn Pads, pupils will film and edit their own TV adverts for their chocolate product.</p>	<p>During the Summer term, pupils will develop their computer programming skills by using ‘Scratch’ to create their own algorithms. In developing their programing skills, pupils will create their own game. Pupils will then use their understanding to create their own game linked to Theseus and the Minotaur.</p>	
<p>History</p>	<p>Pupils will learn about the contributions of Neil Armstrong and Tim Peake to both international and national achievements.</p>	<p>Geography focus this half term.</p>	<p>Pupils will research the ancient civilization of the Mayans. They will identify the significance of their gods. They will also research the impact of European explorers in the trade of chocolate. In addition to this, pupils will consider the impact of tourism on Chichen Itza.</p>		<p>Pupils will deepen their understanding of chronology by identifying when the Ancient Greeks lived. Pupils will identify when and how the Greek Empire was established and the impact this had on the world. In addition to this, pupils will research the Ancient Greeks religious beliefs and their gods. Pupils will also explore their number system and their alphabet before learning some Ancient Greek myths.</p>	<p>Pupils will make careful observations of gothic cathedral architecture during RE and art.</p>

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Geography	History focus this half term.	Pupils will build on their knowledge from previous years by locating countries and oceans across the world. Which countries will be most affected by climate change? Which are the largest polluters? In addition to this, pupils will look at the impact of Canada's policies towards climate change.	Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water in comparing Mexico to England. In addition to this, pupils will also consider the impact of Fair Trade on countries and communities.	Pupils will use maps to locate Greece and its major cities. In addition to this, pupils will compare how the human features of Greece and in particular Athens and why it is a tourist attraction.	During this topic, pupils will make comparisons in human and physical geography between Bognor Regis and Brighton and how they can apply this understanding to increasing the number of tourists to Bognor Regis.
RE	What does it mean if God is holy and living? Was Jesus the Messiah?		What would Jesus do? What did Jesus do to save human beings?	Why is pilgrimage important to some religious believers? Can religions help build a fairer world?	
Art /DT	Pupils will mix and match colours to create atmosphere and light effects in creating their own piece of art work, based on contemporary US artist Peter Thorpe	With the rise in electric cars, pupils will design and create their own electric cars evaluating their product and suggesting improvements.	In creating their own chocolate product, pupils will carry out market research before deciding on a chocolate style, flavour, target audience and packaging.	Pupils will design and create their own Greek pottery. Pupils will evaluate their pottery discussing how they could improve future designs.	Pupils will design, create and evaluate their own traditional fairground ride.
Music	Rhythm and Pulse Play and perform in solo and ensemble contexts		Pitch Develop and understand the history of music	Instruments and singing games	
PE	Invasion Games – Hockey Swimming		Gymnastics Indoor athletics.	Athletics Striking and fielding – rounders Pupils will also learn about the original track and field events by holding their own Greek Olympic day.	
PSHCE	Rules SEAL: New Beginnings	Getting on and falling out	Going for goals	Good to be me	Relationships Changes Sex and Relationship Education.
Trips and Visitors	Pupils will visit Chichester Planetarium	Pupils will visit the Ford Recycling Centre			