



Medium Term Plan - Y5 (AUTUMN) OUT OF THIS WORLD



<u>Intent</u> Within this topic, Y5 will learn about early scientists’ research into space; how this has impacted modern research and explorations into space as well as the events of the Space Race which saw human life venture into space for the first time and allowed for vastly improved research across our solar system and beyond. Alongside this, Y5 will develop their understanding of how the Solar System works to greater understand the planets; how we experience day and night and how the Moon appears to change shape in the night sky.		<u>Implementation</u> During our lessons at school, children will conduct their own research; evaluating and comparing a variety of sources to determine its accuracy and reliability; particularly in discussing the different USA and USSR viewpoints of the Space Race. In science, we will use a variety of different models to explore the movement and surface of different planets; picking out the pros and cons of each model to determine its effectiveness.						<u>Impact</u> Y5 will develop an understanding of how we have come to know and understand various aspects of space and our solar system; from the theories of early scientists such as Copernicus and Galileo and how these have impacted 20 th and 21 st century research. Y5 will develop their enquiry question skills by ordering; comparing and evaluating key historical events and the figures behind them which have impacted present day space exploration and research. Through a culmination of reading; writing; debating and creativity, Y5 will develop their understanding of how Earth, the Sun and other planets act in our solar system to explain phenomena relative to our experiences on Earth.				<u>Celebration & sharing</u> Y5 will share their end of term performance with parents and the rest of the school. Parents will be invited in to share their TASC creations as well as seeing their class assembly performance. Y5 will share their learning through Tapestry to their parents. Children will also show their learning through their POW homework projects.			
Term	Autumn 1							Autumn 2							
Subject/Week	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
English	Fiction: Science fiction third person chronological narrative			Non-fiction: Autobiographies				Non-fiction: Persuasive leaflet			Non-fiction: Newspapers				
Guided Reading book	Cosmic – Frank Cottrell Boyce											Lunar – Chris Bradford			
Spelling	Y5 spelling rules covered and recapped														
Handwriting	Tricky joins revision and spelling words							Tricky joins revision and spelling words							
Maths	Multiplication consolidation & Roman Numerals	Place Value up to 1,000,000	Rounding	Formal methods of addition and subtraction	Place Value: Negative numbers	Properties of 2D shapes	Measurements: Perimeter	Statistics	Multiplication and division by powers of 10	Multiplication and division: Prime numbers, multiples and factors	Equivalent fractions	Compare and order fractions	Add and subtract fractions		
Science	Space							Forces							
Computing	Online Safety		Systems and Networks					Online Safety		Vector Drawings					
History	1955 – 1975 The Space Race							Scientific discoveries related to space					Class Assembly preparation and performance (TASC Week)		

Geography	Geography Day	Formation of Earth study		Geography Day	Name and locate rocket launch sites and refer to time zones			
Art	Perspective space design		Artist study - Van Gogh	Collage: Katherine Johnson		Watercolour background wash		
DT	Mechanics: Space buggies			Construction: Space shuttle	Materials: Strengthening materials for purpose	TASC Week		
PE 1	Football			Tag Rugby				
PE 2	Gymnastics - movement		OAA orienteering and map reading	Dance (Solar System)			OAA orienteering and map reading	
Spanish	Phonetics 3			What is the date?				
RE	Hinduism What is the best way for a Hindu to show commitment to God?			Christianity Is the Christmas Story true?				
Music	NMPAT Brass lessons			NMPAT Brass lessons	Class Assembly		Christmas Performance	
PSHE	Being me in my world		First aid	Celebrating difference		Radicalisation & Extremism	First aid	
Class enrichment	Now Press Play			Y5 Space Camp		TASC Week		Now Press Play
Whole School enrichment days	Harvest		Black History Month	Diwali		Christmas performance / nativity		Pantomime
Class Assembly	N/A			Out of this World! Class Assembly				