

HARWELL PRIMARY SCHOOL - LONG TERM PLAN YEAR 5 2022 -2023

	Term 1	Term 1 (2nd Half)	Term 2	Term 2 (2nd Half)	Term 3	Term 3 (2nd Half)
Project title	Ruthless Romans	Life beyond the Clouds...	Fairground Forces	Myths, Minotaurs and Mount Olympus	Poisonous Plastics	Life, life, life
Driving question	<i>The Empire Strikes: How did the Romans become so successful?</i>	How does the sun shine across the whole planet?	If we can't see it, does it exist?	What did the Greeks do for us?	Is there a solution to plastic pollution?	Which came first, chicken or the egg?
Trip/hook	Scavenger hunt	Trip to Winchester Science Centre	Visit to local park	Murder Mystery	Sea life junk modelling	Flour Babies
Outcome	Poetry Performance	Solar System models display	Harwell Funfair	Class performance Play	Ukulele Concert	Documentary Premier
Main curriculum areas	<p><u>History:</u> To know the legacy of Roman Britain To understand how Rome controlled Britain. Roman Britain's influence on cultures,</p>	<p><u>Science:</u> Describe the movement of the Earth and other planets. Describe the movement of the Moon relative to the Earth Use the Earth's rotation to explain day and night. <u>Geography</u> To know the significance of latitude and longitude.</p>	<p><u>Science (Forces):</u> Unsupported objects falling to Earth (Gravity) Air resistance, water resistance and friction, Investigating mechanisms (pulleys and gears) <u>History</u> Understand how Galileo shaped the theory of gravity.</p>	<p><u>History</u> Greek life and achievements (Thinkers, Writers and Mathematicians) Influence on the Western World.</p>	<p><u>Science:</u> Compare and group materials by properties. Test the uses of particular materials. Understand how mixtures can be separated Reversible and irreversible states. <u>Geography</u> Distribution of natural resources,</p>	<p><u>Science:</u> Describe changes as humans develop to old age. Differences in life-cycles Life processes of reproduction in plants and animals. <u>Geography</u> To know and understand the key aspects of climate zones. To know some of the countries and main cities in North America</p>
PSHE	Being Me in My World	Celebrating Difference	Dreams and Goals	Healthy Me	Relationships	Changing Me
Literacy story	Historical Tale Becoming Roman	Adventure story Aliens	Mystery Story The Nowhere Emporium	Myth tale Icarus	Suspense Tale	Rebirth Story
Non-fiction	Newspaper Report Poetry	Recount text	Instructions	Persuasive text Poetry	Speech/Discussion Text	Non-Chronological Report Poetry
Whole class reading text	There is a Boy in the Girls' Bathroom Louis Sachar	There is a Boy in the Girls Bathroom Louis Sachar	Wonder R.J. Palacio	Wonder R.J. Palacio	Wolf Brother Michelle Paver	Wolf Brother Michelle Paver
Maths links	Place Value Addition and subtraction	Multiplication and Division Fractions A	Multiplication and Division Fractions B Data handling	Position and Direction Converting units Volume	Decimals Properties of shape Scaling and Measurement (Maps)	Decimals and Percentages
Science Types of enquiry	<p>Humans and Animals <u>Pattern Seeking</u> Investigating whether there is a relationship between gestation period and animal type.</p>	<p>Space <u>Pattern seeking</u> Investigating whether every planet takes the same time to orbit the sun. Is there a relationship between the orbit of a planet and its size? <u>Researching using secondary resources</u> What can I find out about planets in the solar system? <u>Observing overtime</u> Observing the phases of the moon Observing how shadow length changes throughout the day</p>	<p>Forces <u>Comparative and Fair test</u> Which density of water would be the best for a landing spaceship?</p>	<p>Materials/Greek Scientists <u>Researching using secondary resources</u></p>	<p>Materials <u>Identifying classifying and group</u> Comparing and grouping everyday materials (plastics) by characteristics. <u>Researching using secondary resources</u> What effect has plastic had on the environment?</p>	<p>Life Cycles <u>Observing over time</u> Observe life cycle changes of animals in different environments. Observe and compare how different animals reproduce and grow,</p>

ICT	<u>Internet Safety</u> Knowing how to stay safe online.	<u>Programming</u> Creating a space game using scratch. <u>Data</u>	<u>Online</u> <u>Research, Blog and website</u>	<u>Internet E-Safety</u> Knowing how to stay safe online.	<u>Online</u> Research, blog and website <u>Multimedia</u> Stop-go animation	<u>Multimedia</u> Adjust videos and pictures and add sound to documentaries.
Art	<u>Printing and Pattern</u> Creating a mosaic from tile pieces	<u>Colour</u> Constellation art and Pointilism planet painting		<u>Greek pottery</u>		<u>Use of Sketchbooks</u> Record drawings of different life-cycles. <i>Frank Bowling- Using water colour paints to create an underwater pond painting.</i>
DT			<u>Structure and Mechanisms</u> Fun Fair Rides Using a motorised pulley to create a carousel or ferris wheel.		<u>Form and Sculpture</u> Use recycled, natural and manmade materials to create a sculpture. <u>Textiles</u> 3-D weaving with recycled plastic bags.	
RE	Sikhism	Christianity	Sikhism	Christianity	Sikhism	Christianity
Music	<u>Ukelele</u>	Ukulele	<u>Ukulele</u>	<u>Ukulele</u>	Ukulele	Ukulele
PE	<u>tennis</u> <u>swimming</u>	gymnastics	<u>circuits</u>	dance	netball swimming	hockey
MFL						

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