

HARWELL PRIMARY SCHOOL - LONG TERM PLAN YEAR 5 2020 -2021

	Term 1	Term 1 (2nd Half)	Term 2	Term 2 (2nd Half)	Term 3	Term 3 (2nd Half)
Project title	Ruthless Romans	Life Past the Clouds...	Fairground Forces	Noble Natural Historians	Poisonous Plastics	Myths, Minotours and Mount Olympus
Driving question	<i>The Empire Strikes: How did the Romans become so successful?</i>	Is there a planet B?	If we can't see it, does it exist?	Does location affect life-cycle?	Is there a solution to plastic pollution?	What did the Greeks do for us?
Trip/hook	Scavenger hunt	Marshmallow Constellations Trip to Winchester Science Centre	Visit to local park	Pond Dipping	Sea life junk modelling	Murder Mystery
Outcome	Poetry Performance	Harwell Planetarium	Harwell Funfair	Documentary Premiers	Dragons Den	Olympics Event
Main curriculum areas	<u>History:</u> To know the legacy of Roman Britain To understand how Rome controlled Britain. Roman Britain's influence on cultures, <u>Geography</u> To know the significance of latitude and longitude.	<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.	<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.	<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	<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,	<u>History</u> Greek life and achievements (Thinkers, Writers and Mathematicians) Influence on the Western World.
PSHE	Being Me in My World	Celebrating Difference	Dreams and Goals	Healthy Me	Relationships	Changing Me
Literacy story	Historical Tale	Thriller (Flash Forward)	Mystery Tale	Adventure Story	Rebirth Story	Myth tale
Non-fiction	Recount text Poetry	Newspaper Report	Persuasive text	Non-Chronological Report Poetry	Speech/Discussion Text	Instructions Poetry
Whole class reading text	There is a Boy in the Girls Bathroom Louis Sacher	There is a Boy in the Girls Bathroom Louis Sacher	Wonder R.J. Palacio	Wonder R.J. Palacio	Wolf Brother Michelle Paver	Wolf Brother Michelle Paver
Maths links	Place Value Addition and subtraction Statistics and data handling	Multiplication and Division Perimeter and Area	Multiplication and Division Fractions Data handling	Decimals and Percentages	Decimals Properties of shape Scaling and Measurement (Maps)	Position and Direction Converting units Volume Greek Mathematicians
Science Types of enquiry	Humans and Animals <u>Identifying classifying and grouping</u> Identify and group the way in which sounds are made using a variety of musical instruments <u>Pattern Seeking</u> Investigating whether there is a relationship between gestation period and animal type.	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	Forces <u>Comparative and Fair test</u> Which density of water would be the best for a landing spaceship?	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,	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?	Materials/Greek Scientists <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?

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>Multimedia</u> Adjust videos and pictures and add sound to documentaries.	<u>Online</u> Research, blog and website <u>Multimedia</u> Stop-go animation	<u>Internet E-Safety</u> Knowing how to stay safe online.
Art	<u>Printing and Pattern</u> Creating a mosaic from tile pieces	<u>Colour</u> Constellation art and Pointilism plaent painting	<u>Drawing</u> <u>Laurence Stephen Lowry</u> <u>The Fairground</u> Accurate drawings of people and perspective and develop an awareness of scale and propotion	<u>Use of Sketchbooks</u> Collect and record different drawings of life-cycles. <u>Printing</u> Creating our own natural printing in the style of India Flint	<u>Form and Sculpture</u> Use recycled, natural and manmade materials to create a sculpture.	<u>Work of an Artist</u> To comment on Hokusai work and recreate their own piece using oil paint. (Kensuke's Kingdom)
DT			<u>Structure and Mechanisms</u> Fun Fair Rides Using a motorised pulley to create a carousel or ferris wheel.		<u>Textiles</u> 3-D weaving with recycled plastic bags.	<u>Textiles</u> Continue to explore batik, using more than one colour to create Icarus' wings.
RE	Sikhism Hinduism	Christianity	Sikhism Hinduism	Christianity	Sikhism Hinduism	Christiainity.
Music	<u>Improvising and Composing:</u> Compose and perform melodies using 4 or 5 notes.	Ukulele	<u>Listening and Reviewing</u> Begin to use a range of words to describe fairground music (tempo, pitch, beat etc)	Ukulele	Ukulele	<u>Applying Knowledge and Understanding</u> Describe the purpose of music in history/other cultures.