

**HOOK - WOW Day**



You have received a coded message from another planet!  
Decipher the message and find the relevant information in order to respond. Pupils to decode messages by solving maths problems

**Literacy Texts**



Nonfiction texts about Earth and Space  
Narrative  
Spelling, Grammar and Punctuation

NC Objectives/Skills:  
Retrieve, record and present information from non-fiction  
Proofread and amend writing  
Participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously  
To read aloud and to understand the meaning of new words that they meet; Selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning.

**Maths**



Knowledge:  
 Number  
 Place Value  
 4 operations  
 Problem Solving  
 Fractions  
Time

NC Objectives/Skills:  
Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals  
Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers  
Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers  
Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers  
Multiply and divide numbers mentally, drawing upon known facts  
Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

**Science Units Earth and Space**



Knowledge:  
Research the Solar System, To describe why there is Day and Night / seasons  
To understand why planets orbit the Sun?  
NC Objectives/Skills:  
Planning different types of scientific enquiries to answer questions,  
Describe the movement of the Earth and other planets relative to the sun in the solar system; the movement of the moon relative to the Earth; the sun, Earth and moon as approximately spherical bodies and use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

**PE/Active Learning**



Knowledge: Team games  
Swimming

NC Objectives/Skills:-Swim competently, confidently and proficiently over a distance of at least 25 metres.  
-Use a range of strokes effectively (for example, front crawl, backstroke and breaststroke).

**History/Geography**



Knowledge:  
Moon missions - historical events  
Continents, oceans and time zones. How does the sun contribute to natural physical geography around the world.  
NC Objectives:  
Describe and understand types of physical geography e.g. biomes, rivers, mountains.

**Art & Design**



Use chromebooks for research purposes  
Digital art - Planets  
Featured Artist: Yayoi Kusama - Polka dots/Pointillism and Sculpture

NC Objectives/Skills: NC Objectives: to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint and clay.] Visit Art galleries

**Computing**



Research the solar system/planets  
Powerpoint presentation about chosen planet.  
Online safety; Touch typing  
Knowledge:  
NC Objectives/Skills: use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour

**TOPIC: Earth and Space**

Enquiry based question: Why do we have night and day?  
Why do we have seasons?

Science driver/History driver/Geography

**RE**



Knowledge: To understand what people believe about life after death?

NC Objectives/Skills:  
Know that the religious traditions in Great Britain are in the main Christians, whilst taking account of the teaching and practices of the other principal religions presented in Great Britain.  
Visit places of worship



**PSHE**



Knowledge:  
To describe the effects and risks of drugs and the consequences of use  
To understand the impact of alcohol/drugs on diet or health  
Drugs, Alcohol and Tobacco Education (DATE)

NC Objectives/Skills:  
Understand the idea of a balanced lifestyle; how to make informed choices about health and wellbeing.

**END OF TOPIC OUTCOMES**

End of term meal made for space exploration.

**ENRICHMENT TRIPS/VISITS**

Tate Modern  
Local library  
Science Museum  
Royal Observatory Greenwich