

YEAR GROUP: 5
TERM: 3
ESSENTIAL QUESTION:
Is there anybody out there?
REAL IMPACT
 Journey through space, the final frontier. Navigate beyond the Sun, the magnificent, blazing star at the centre of our Solar System. Investigate the eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. Take a look at the Moon, a celestial body that orbits Earth. Programme a rover to traverse a lunar landscape and work scientifically to investigate gravity, and what happens when there is none. Compare the times of day at different places on the Earth and use GPS satellite navigation systems to track hidden treasure. Get in a spin making simple models of the Solar System. Then it's 3, 2, 1, blast off. Build and launch a rocket for an important test mission. Exploring space is probably the greatest adventure that humankind has ever undertaken



Project Plan

Launch
 Space launch
 Day in Space!

Mini Outcome
 Create a newspaper article about Tim Peake

Mini Outcome
 Science
 Experiments to prove the existence of gravity and to discover what makes a good insulator

Mini Outcome
 Design and build your own rocket

Outcome
 Space Exhibition for Year 4 and 6

LINKED TEXT(S)
 Cosmic by Frank Cottrell Boyce

EXPERTS
 NASA website- Teya and her telescope

COMPUTING
 Programming a controllable system

CLASSROOM DESIGN
 Space theme

REAL AUDIENCE
 Other year groups

OTHER
 History of space exploration

VISITS
 Bristol Planetarium (Covid permitting) OR a space themed day at school

OTHER
 Build your own rocket

OTHER
 Art -sketches of the phases of the moon

Purple blocks show essential skills / elements.

English

Write a newspaper report about British astronaut Tim Peake and his incredible, record breaking time in space.

Create poems about space

Write a suspense narrative that contains fabulous description and a flashback

Guided Reading: Cosmic by Frank Cottrell Boyce

Spelling Homework: Learn each week's spellings ready for a test the following Friday

Punctuation and grammar: vary length, construction and type of sentences using subordinating conjunctions and clauses, fronted adverbials

French

Our topic this term is called "La Nourriture." (Food!)

We will learn all about French food and the language needed when ordering and buying food.

Geography and History-

Learn all about Sir Isaac Newton and human kind's race to space.

Science

Describe the movement of the Earth and other planets relative to the sun in the solar system

Describe the movement of the moon relative to the Earth

Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

Investigate gravity and insulation

Music

Our topic this term is jazz! (My favourite!)

We will listen to and appraise jazz music

Play and improvise a jazz piece on the glockenspiel

Maths

Our maths focus this term:

- Multiplication and division
- Fractions
- Times Tables
- Reasoning and problem solving skills

Homework: Learn all of the times tables and their related division facts up to 12 x 12

MAIN OUTCOME

Exhibition for parents at the end of the term.

Space!

ART and DT

Explore the phases of the moon and create your own "junk" satellite or shuttle

P.E.:

Mr Bazell will be teaching P.E. this term. We will be doing gymnastics.

PSHE/C:

Our PHSE focus this term is Our Dreams and Goals and focusing on how we can reach those goals with the choices we make in our lives.

R.E.

This term we will be focusing on Salvation. Our key focus question is: What do Christians believe Jesus did do save human beings? This is based upon our understanding of Christianity.