

English

Term 1: Writing to Entertain *Cosmic*

- Character descriptions, infer thoughts and feelings from their actions and write a character profile
- Setting description of planets visited during narrative
- Write a diary entry as an astronaut on a mission
- Write an alternative space narrative
- Script based on *Cosmic* – Liam's trip and his parents' concern

Term 2: Writing to Discuss

- Newspaper report: first lunar landing
- Write a review of a new astronaut space suit/rocket/piece of NASA equipment
- Write a set of emails between ISS and NASA discussing a mission
- Balanced arguments: Are there different life forms in space? Were the moon landings fake?

Maths

Fractions, Decimals and Percentages

- Find equivalent fractions, simplify fractions
- Find fractions of amounts, compare and order
- Recognise mixed number and improper fractions and convert between the two
- Read and write decimals as fractions
- Recognise that percent relates to 'number of parts per hundred' and write percentages as a fraction

Decimals and Percentages

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- Recognise that percent relates to 'number of parts per hundred' and write percentages as a fraction

Algebra and Ratio

- Missing number problems
- Use simple formulae to describe linear sequences
- Using scale factors and solving proportion problems

Science

Earth and Space

- Heliocentricity – explore the movement of the sun, earth and moon, relative to each other and explain night & day, the seasons and months
- Significant individuals: Galileo and Copernicus
- Day & night – using the sun & shadows to explain
- Lunar phases – create models to explain

Forces

- Gravity – bungee investigation, label forces
- Friction – investigate the effect of friction
- Air/water resistance – investigate the effect of these on objects
- Levers, pulleys and gears – understand that some mechanisms allow a smaller force to have a greater effect

Computing

Coding using Flowol

Using flowcharts as instructions
Programming using flowcharts
Simultaneous sequences to control multiple outputs
Implementing changes to flowcharts

Film Making

Writing a script ([English link – script for balanced argument](#))
Using credible sources for research
Using digital devices to film and import into software
Edit video files and publish film

Year 5/6 Cycle B Spring Term Space



Music

Trumpet

Different notes
Scales
Bar lines
Bass clef
Composing

Band Workshop

Creating whole-class band performance using instruments previously studied
Listen to and analyse performances
Maintain a steady beat to accompany performance
Harmonic accompaniment on different instruments

MFL: German

Clothing items
Clothes shop – buying an outfit
Problems with clothes
Carnivals
Travel – buying train tickets
Departure and arrival times
Easter in Germany

Geography

- What are time zones and why do we have them? (**Science link**)
 - Greenwich meridian
 - Longitude/latitude – using them to locate
 - Hemispheres and poles – relate to climate
- ### **Mountains**
- Locating mountain ranges in the world/UK
 - Features of mountains – sculpt using playdough
 - How are mountains created?
 - Mountainous climates
 - Mountain tourism – positives/negatives to people, money, environment

History

- Timeline of space travel and how it has changed
- Moon landing of 1969 – Apollo 11
- The Space Race: what was it and why was it significant?
- Significant individual: Yuri Gagarin and the role he played in the space race between Russia and the USA

Art

Retro-Futurism Project

Explore existing work (space paintings – Peter Thorpe)
Explore paint mixing for tones
Texture techniques – collage, paint dripping
Create foregrounds and backgrounds
Plan and create final piece, evaluate

DT

Controllable Vehicles – Space Buggy

Explore existing mechanisms – electrical/computer control, wheels and axels
Create specification
Design, make and evaluate

PSHE

Growing and Changing

Taking notice of our feelings
Growing up and changing bodies
I'm a teenager, get me out of here!
Making babies (Y6 only)
Right and Respect
Understanding facts or opinions
Rights, respect and duties
Spending money wisely

RE

Religions and Respect

Religions in the locality
Sikh faith and traditions
Where do Sikhs worship?
Hinduism – worship, beliefs and inspirational Hindus
What can we learn from leaders of faiths?
Muslim Families and Celebrations
Muslim families and food – halal
Muslim clothing
Introducing the Qur'an
Muslim prayer and Wudu
Features of a mosque
Muslim weddings and families