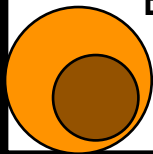


Life, the Universe & Everything!



Introduction

Stunning start: Space Camp Day “Are you good enough to be an astronaut?”

Three workshops 1: Logic Puzzles 2: Physical Fitness Test 3: Reaction Tests 4: Space Food

Tasting

Trip; Chichester Planetarium (Year 5 Year 6)

English

Poems – Man on the Moon (1 week)

Non Fiction: Biography (Neil Armstrong)

Poems – Planet Poems (1 week)

Fiction: Disaster (short burst write)

Non Fiction: Non-chronological Report about a fictional planet

History

History of space travel— Space Race
Famous faces in history— Neil Armstrong, Charles Darwin, Valentina Tereshkova, Sally Rider, Kathryn Sullivan

Music

Performing, Appraising, Composing
Focus- Make You Feel my Love (Pop Ballad)
Charanga Unit

DT

Mechanical Systems

Focus

Making moon buggy using a range of materials and equipment.

Geography

Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

Art

Painting and Collage Unit
Create original pieces that show a range of influences and styles.
Artist Focus - Peter Thorpe

PE

Year 5:
Health related Fitness / Football
Gymnastics / Tag Rugby
Year 6:
Health related fitness / Football
Gymnastics / Hockey

Maths

Topic Maths

Year 5

Multiplication and Division
Fractions
Decimals and Percentages

Year 6

Decimals
Percentages
Algebra
Converting Units
Perimeter, Area and Volume
Ratio
Position and Direction

Science

Earth & Space

- Earth, Moon and Sun
- Day and Night
- Seasons
- Planets of our solar system

Forces

- Gravity
- Friction
- Air Resistance
- Water Resistance

Evolution and Inheritance

- Living things have changed
- Fossils provide information

Languages (French)

Where is...? Ou est?
Animals.. Les animaux
Food... Cutlery and ingredients
At school... Dans L'école (rooms, pencil case, time, subjects)
Playtime.. (I play, in the playground)

ICT / Computing

Year 5

E-safety
Digital citizenship

Year 6

History of technology
How the Internet works
E-safety: safe searching
What is inside technology – How it all works

PSHE / Citizenship / WWO

Drug Education

RE

Exploring right and wrong with Christians and Humanists

Values & SMSC

Love & Friendship, Servant Leadership, Curiosity, Respect, Perseverance, Courage

Any opportunities to develop these areas? You couldn't do all of them so pick one or two values. You may use more than that but over the 6 topics each will probably be mentioned twice - maybe once each year?

Perseverance – developing resilience with astronaut challenges –Circuit Training, reaction tests etc

Courage – How would the first astronauts have felt? Link to Armstrong and Aldrin's moon walk.

Curiosity – What else is there out there?

Stunning Start, Marvellous Middle and Fabulous Finish:

Stunning Start:

Entry & Exit Points (Launch Pad & Mission Completed)

Space Camp Day: Are you good enough to be an astronaut?

Four workshops 1: What do we know? 2: Physical Fitness Test 3: Reaction Tests 4: Space Science!

Marvellous Middle: Chichester Planetarium

Dates for your Diary:

Opportunities for parents to come in.

Visits

Chichester Planetarium Visit

Year 5 – Friday 2nd March

Year 6 – Tuesday 27th February

Visitors

Stunning Start 8th January 2018

Other Things We Are Doing:

Bridging & Links (Links to other topics)

How does this topic build on previous topics? Skills etc.

e.g.

Ice Journey:

Builds on the science and geography studies in 'Fire and Ice' at Key Stage 1.

How Can You Help

Ideas for visitors / visits.

Visit Foredown Tower

Videos to watch: Apollo 13

Key Vocabulary

Any technical vocab for the topic that might need putting on a vocal sheet to stick in topic books or adding to spelling lists?

planet, gravity, force, Earth, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, solar system, equator, Tropic of Cancer, Tropic of Capricorn, Longitude, Latitude,

Prompts

Topic Books:

Website / CD-Rom

Experiences:

Drama

Apollo 13 disaster moment

Key Texts:

Not the Talk for Writing texts (these will be listed somewhere else I guess). The main topic texts that no one else should be using to teach their topics!
Cosmic – Frank Cottrell Boyce

Would you rather this was in the parent section so they can borrow them from the library or buy their own copy if interested?

Resources:

Key resources that you will need.
Where to find them if we already have them.
Pinterest boards?
Youtube links?
Apollo 13
Bop-It

Home Learning Tasks Ideas:

Ideas to put on the home learning task sheet.
Maybe ideas for independent learning activities or extension activities.

Talk for Writing: Independent application opportunities.
Report Writing

Use of the Outdoors:

Foredown Tower

Maths - Independent Application

Year 5

Year 6

Number

interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero

use negative numbers in context, and calculate intervals across zero

Decimals to 3 places (look at time etc)

Negative numbers (surface temperature)

Measures

understand and use equivalences between metric units and common imperial units such as inches, pounds and pints

convert between miles and kilometres

Time (reaction tests)

Miles to KM conversion (diameters or radius of planets)

Geometry - Properties of Shape

identify 3-D shapes, including cubes and cuboids, from 2-D representations

illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius

3D shape

Circles radius and diameter

Geometry - Position & Direction

NSEW

Statistics

solve comparison, sum and difference problems using information presented in line graphs complete, read and interpret information in tables, including timetables

interpret and construct pie charts and line graphs and use these to solve problems

calculate and interpret the mean as an average.

Reading tables and line graphs

(planets size, surface temperatures)

Mean, median, mode (Reaction tests)

Ratio & Proportion

solve problems involving similar shapes, where the scale factor is known or can be found

(Only Year6)

Planets size in relation to other planets

Time line