

Our topic is Out of this



English (some key objectives)

Spelling – weekly lists will be sent home

- Learn to spell words with rare letter formations, homophones and words ending able/ably or ible/ibly (Y5)
- Learn rules for possessive apostrophes with plural words, homophones and words ending in -ure (Y4)

Punctuation and grammar

- provide more details by using expanded noun phrases and using and punctuating fronted adverbials (Y4)
- indicate degrees of possibility using adverbs or modal verbs, and use brackets, dashes or commas to show parenthesis (Y5)

Writing composition

- In role, write a letter to a loved one to convey emotions evoked by absence
- Create our own alien and write a non-chronological report to contribute to a Spring non-fiction book: Extra-terrestrials explained
- Write the ending to a narrative including character and plot

Reading

- Non-fiction: read fact books and use the internet to research our Solar System and explore key features of non-chronological reports to use as a model for our own
- Fiction: read *The Jamie Drake Equation* by Christopher Edge
- Develop reading skills: predicting, drawing inferences, summarising, justifying opinions with evidence

Mathematics (some key objectives)

Year 4

- Multiply two/three-digit numbers by one-digit using formal method
- Recognise and show, using diagrams, families of common equivalent fractions
- Recognise mixed numbers and improper fractions and convert from one form to the other
- Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10
- Calculate fractions of quantities
- Add and subtract fractions with the same denominator
- Recognise and write decimal equivalents of any number of tenths or hundredths
- Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$
- Compare numbers with the same number of decimal places to two decimal places e.g. 1.23 and 1.28
- Divide a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths

Year 5

- Multiply four digit numbers by a one or two digit number using the formal method, including long multiplication
- Divide numbers up to four digits by one digit using short division
- Solve problems using combinations of all four number operations (+ - \times \div)
- Calculate areas of rectangles using cm^2 and m^2
- Estimate volume and capacity
- Compare and order fractions whose denominators are multiples of the same number
- Identify equivalent fractions of a given fraction
- Add and subtract fractions with the same denominator and denominators that are multiples of the same number
- Multiply proper fractions and mixed numbers by whole numbers
- Read and write decimal numbers as fractions
- Read, write, order and compare numbers with up to three decimal places

Science – Out of this world

- Learn about the planets in our Solar System and how they are organised
- Understand the movement of the Earth and Moon relative to the Sun
- Investigate how ideas about space have changed over time
- Use our maths skills to accurately make a model of our Solar System
- Enjoy a visit by Creative Science including a session in their mobile planetarium

Geography – A Rocky World

- Describe and understand key aspects of the physical geography of mountains, volcanoes and earthquakes
- Use maps to locate key geographical locations of mountains, volcanoes and where earthquakes are common
- Understand different types of extreme weather, their possible causes and the impact they have on humans and wildlife

Computing

- We are musicians: producing digital music that conveys an inter-galactic space adventure

Art and Design/Design Technology

- Focus on shadow and shading to create paintings of moons and planets
- Paint a piece of Peter Thorpe inspired artwork
- Plan and design the packaging for a nutritious snack for a mountaineer

RE/PSHCE

- Understanding Christianity – 'Was Jesus the Messiah?'. Children will look into prophecies, incarnation and how important the idea is today.
- Living together and building community – Understand and value local groups/communities / accepting differences and celebrating uniqueness

Physical Development

- Invasion games – hockey, tag rugby and netball
- Compare performance with previous ones and improve – fitness programme

Music (taught by Mrs Dunsby)

- Listen and respond to pieces from Holst's The Planets
- Children will create own piece of music linked to space stimuli

French – Madame Coulson – Friday pm

- School and school subjects

What can you do at home?

- Read daily for 20 minutes and talk about it
- Read a newspaper (match reports, world events)
- Learn tables facts, including related division facts ($7 \times 8 = 56$ so $56 \div 7 = 8$)
- Learn spellings together (see ideas in the homework book)
- Visit the local library
- Practise telling the time in 12- and 24- hour format and gain confidence converting between the two

