

Year 4 Spring Topic Web

Geography: Our World and Beyond

We will be learning about the causes, effects and impact of volcanoes and earthquakes across the world. We will also be locating them using atlases, plate tectonic maps and longitude and latitude.

Art- Making Monotypes

We will be exploring surface and colour through the making of monotypes.

DT- Mechanisms

Our DT focus will be linked to our science work, using mechanisms to make moon buggies or rockets

MFL - French

We will be listening and responding to stories, exploring phonics and grammar using known and new vocabulary, speaking in sentences and reading and writing words and phrases. The focus for Year 4 will be Les nombres 1-10, les fruits, les legumes and Je me presente.

Science

We will be working scientifically and investigating:

Rocks:

We will be comparing and grouping different types of rocks, describing how fossils are formed and understanding that soils are made from rocks and organic matter.

Earth and Space:

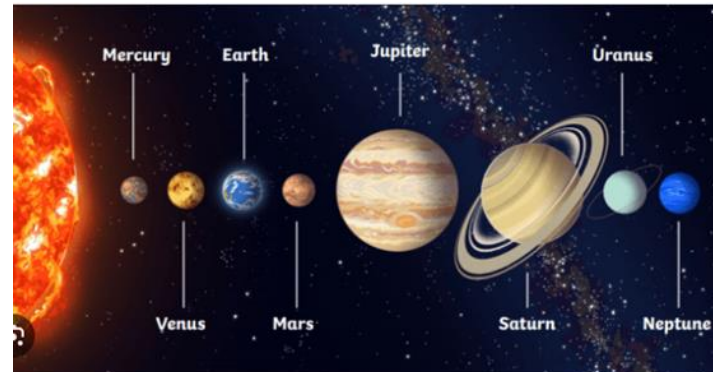
We will examine the movement of the Earth and other planets relative to our sun in the solar system and the moon's movement compared to the Earth. We will learn about the Earth's rotation to explain day and night.

English

Writing: All fiction and non-fiction writing will use a story as the starting point. There will be regular opportunities for short burst and extended writing covering a wide range of genres.

SPAG - daily focussed sessions will be used to learn spelling rules, punctuation and grammar which will be re-enforced within the children's fiction and non-fiction writing.

Reading: regular focussed sessions to develop comprehension skills, both verbally and written.



Geography Vocabulary

Volcano, earthquake, tectonic plate, plate boundary, crater, ash, ash cloud, lava, magma chamber, central vent, earth's crust

Computing

In Computing, we will be building our knowledge of creating media as well as keeping ourselves safe on the internet.

Music

In Music, we will be learning to read music, perform and play with instruments and using our voices.

RE / PSHE

In RE, we will focusing on these big questions:

Year 3/4	Year 5/6
Incarnation: What is the Trinity	Incarnation: Was Jesus the Messiah?
Gospel: What kind of world did Jesus want?	Gospel: What would Jesus do?
Salvation: Why do Christians call the day Jesus died Good Friday?	Salvation: What did Jesus do to save human beings? (Y5) What difference does the resurrection make for Christians? (Y6)

In PSHE, we will be focusing on the topics of Keeping Myself Safe and Rights and Responsibilities

PE

In our PE sessions, we will be learning the skills of gymnastics and racket skills. PE lessons will be on Wednesday afternoons with Pro-coaching. Please remember to come to school in your PE kit on PE days.

English Vocabulary Year 3 and 4

- Paragraphs
- Proper nouns
- Pronouns
- Expanded noun phrase
- Expanded noun phrase with a modifying preposition
- Fronted adverbial for time, place or cause (followed by a comma)
- 'ing' sentence starter
- Power of three sentence
- Compound sentence (two independent clauses linked with a conjunction)
- Subordinate clause (a clause which doesn't make sense on its own - could be a fronted adverbial with a comma, drop-in clause or at the end of a sentence)
- Simile
- Present perfect tense (he has gone...)
- Determiners
- a / an
- apostrophe for possession
- apostrophe for contraction
- inverted commas for speech

Science Vocabulary

Igneous rock, sedimentary rock, metamorphic rock, magma, lava, sediment, permeable, impermeable, fossilisation, paleontology, erosion

Sun, star, moon, planet, sphere, spherical bodies, satellite, orbit, rotate, axis, geocentric model, heliocentric model, astronomer

<u>Multiplication and division</u>	<u>Fractions</u>	<u>Decimals</u>
Multiply, groups of, lots of, times, exchange, divide, share, remainder, product, multiple, factor, dividend, divisor.	Tenths, decimal equivalence, hundredths, convert, proper fractions, improper fractions, decimal point	Tenths, Hundredths, Decimal tenths, Decimal hundredths, Decimal equivalents, rounding, Decimal point, Two decimal places

Maths

Multiplication and division

- Recall multiplication and division facts for multiplication tables up to 12×12
- Use place value, known and derived facts to multiply and divide mentally.
- I can recognise and use factor pairs and commutativity in mental calculations
- Multiply 2-digit and 3-digit numbers by a 1-digit number using a formal layout
- Solve problems involving multiplying and adding.

Fractions and Decimals

- I can recognise and show, using diagrams, families of common equivalent fractions
- I can count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- I can add and subtract fractions with the same denominator
- I can recognise and write decimal equivalents of any number of tenths or hundredths
- I can recognise and write decimal equivalents to $1/4$, $1/2$, $3/4$
- I can find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- I can round decimals with one decimal place to the nearest whole number
- I can compare numbers with the same number of decimal places up to two decimal places
- I can solve simple measure and money problems involving fractions and decimals to two decimal places.

Times Tables will be practised daily with our new progression system. Please encourage your children to keep practising these at home.

