

Year Five Autumn 2024



'Dynamic Dynasties'

History

Dynamic Dynasty: This project teaches children about the history of ancient China, focusing primarily on the Shang Dynasty, and explores the lasting legacy of the first five Chinese dynasties, some of which can still be seen in the world today.



Geography

Investigating our world: This essential skills and knowledge project teaches children about locating map features using a range of methods. They learn about the Prime Meridian, Greenwich Mean Time (GMT), and worldwide time zones and study interconnected climate zones, vegetation belts and biomes. Children learn about human geography and capital cities worldwide before looking at the UK motorway network and settlements. They carry out an enquiry to identify local settlement types.



Art and Design

Tints, Tones and Shades: This project teaches children about colour theory by studying the colour wheel and exploring mixing tints, shades and tones. They learn about significant landscape artworks and features of landscapes before using this knowledge to create landscape paintings.

Design and Technology

Moving Mechanisms: This project teaches children about pneumatic systems. They experiment with pneumatics before designing, making and evaluating a pneumatic machine that performs a useful function.

Science

Forces and Mechanisms: This project teaches children about the forces of gravity, air resistance, water resistance and friction, with children exploring their effects. They learn about mechanisms, their uses and how they allow a smaller effort to have a greater effect.

Earth and Space: This project teaches children about our Solar System and its spherical celestial bodies. They describe the movements of the Earth and the other planets relative to the Sun, the Moon relative to Earth, and the Earth's rotation to explain day and night.



Computing

Computing Systems and Networks

Sharing Information

Creating Media A Vector Drawing

PSHE

Jigsaw: Being Me in My World Celebrating Difference

My Happy Mind: Meet your Brain, Understanding my emotions, Understanding others emotions.



Music

Music Express:

Our Community
Solar System



PE (Monday/Friday)

Invasion Games

Gymnastics Physical Development



RE

Autumn 1: People of God: How do Christians believe following God can bring Freedom and Justice?

Autumn 2: Incarnation

English

Writing texts

Zoo

The most dangerous animals in the world

Grammar focus:

What is a sentence? Capital letters, full stops, exclamation marks, questions

Time adverbials, simile, metaphors, dialogue, conjunctions, alliteration

Handwriting: Nelson Handwriting scheme—

Practising joining to and from the letter r
Developing fluency

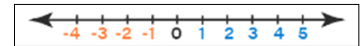
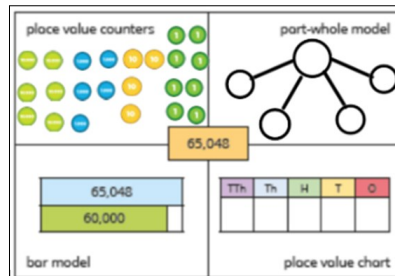
Ensuring letters are consistent in height and size
Ensuring the letter t is at the correct height

Year Five: Maths

At St Francis, we follow White Rose Maths. Mathematics is taught daily in a progressive and systematic way, beginning in Reception, all the way through to Year 6. We believe that every child can master an understanding and love of maths with the right kind of teaching and support. White Rose Maths builds skills gradually and systematically, ensuring learners are given opportunities to master each new area of learning before moving on. It is designed as a spiral of skills where concepts are revisited regularly to fully embed learning.

Place Value (3 weeks)

- Round numbers to 10, 100, 1000
- Know place value to 1 million
- Compare and order number to 1 million
- Negative numbers
- Roman numerals to 1000

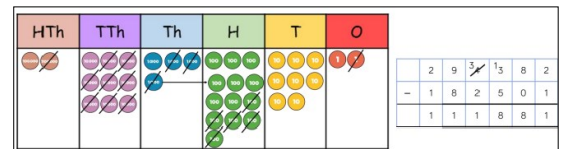
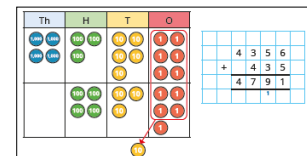


Write <, > or = to make the statements correct.

45,000 ○ 54,000

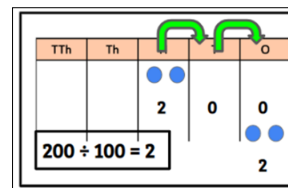
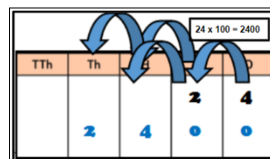
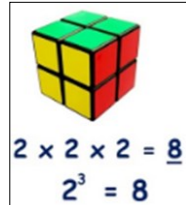
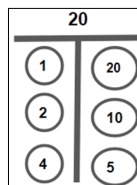
Addition and Subtraction (2 weeks)

- Add and subtract two 4-digit numbers (with exchange)
- Add and subtract numbers with more than 4-digits using column method
- Round to estimate and approximate answers
- Use inverse operations to check answers
- Solve multi-step problems involving addition and subtraction



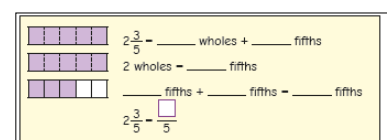
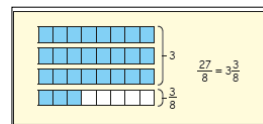
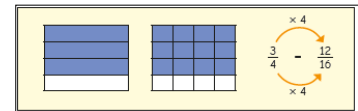
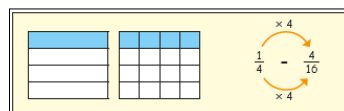
Multiplication and Division (3 weeks)

- Multiples
- Factors and Common Factors
- Prime numbers
- Square and Cube numbers
- Multiply and Divide by 10, 100, 1000
- Multiples of 10, 100, 1000



Fractions (4 weeks)

- Find equivalent fractions (unit and non unit)
- Recognise equivalent fractions
- Convert improper fractions to mixed numbers
- Convert mixed numbers to improper fractions
- Compare and order fractions (less than/ greater than 1)
- Add fractions (same denominator/ mixed numbers)
- Subtract fractions (breaking the whole / mixed numbers)



Use the bar model to complete the calculation.

$\frac{1}{5} + \frac{2}{5} = \underline{\quad}$

