

Maths – Power Maths 5A



Multiplication and division

- Multiples, factors and prime numbers.
- Square and cube numbers.
- Multiply and divide by 10, 100 or 1,000.

Fractions

- Unit and non-unit fractions.
- Equivalent fractions.
- Mixed numbers
- Improper fractions.
- Compare and order fractions, mixed numbers and improper fractions.
- Add and subtract fractions, mixed numbers and improper fractions.
- Solve fraction problems.

Art – Taotie

- Explore features of ancient Chinese taotie motifs.
- Design symmetrical taotie motifs.
- Make relief sculptures using casting techniques with silicone, paper and clay moulds.
- Design and create moulds for taotie relief sculptures.
- Cast and finish relief sculptures.

History – The Shang Dynasty of ancient China

- Power and hierarchy.
- Everyday life for the Shang people.
- Warfare.
- Significant people and events of the period.
- Comparisons with other Bronze Age civilisations.
- The lasting legacy of ancient China.

Music – Classroom Jazz

- History of jazz, improvisation and swing.
- Play 'Three Note Bossa'.
- Improvise tunes on recorders or glockenspiels.

Science – Earth and space

- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Describe the movement of the Moon relative to the Earth.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
- Investigations: Planets of the solar system research and presentations.

Dynamic Dynasties

Year 5 Autumn 2

P.E. Dance / Swimming

Computing Simulations and rovers



- Identify the purposes of physical and digital simulations.
- Evaluate a simulation's effectiveness, including its advantages and limitations.
- Apply the concept of abstraction to simplify a real-world situation to design a simulation.
- Program a solar system simulation in Scratch.
- Understand how robots use inputs and outputs.
- Use a simulation to design, build and test a Mars rover.

Geography – Investigating Our World

- Time zones.
- Climate zones.
- Vegetation belts.
- Biomes.

PSHE – Relationships

- Anti-bullying Week.
- Celebrating diversity.
- The impact of discrimination, stereotypes and racism and why we must challenge them.
- How to respond to unwanted or unacceptable physical contact: the NSPCC "PANTS" rules.

English



Teaching Reading:

- Use taught strategies to clarify vocabulary.
- Skim and scan texts to retrieve, record and present information, and to answer questions.
- Distinguish between fact and opinion.
- Clarify their understanding of words, phrases, events and ideas in different texts.
- Make plausible predictions and modify ideas based on what is stated and implied.
- Summarise the main ideas from a text.
- Find evidence to explain how a character's mood changes over time and to deduce reasons for the way that characters behave.
- Identify, compare, contrast themes within texts.
- Read poems by significant poets and identify what is distinctive about the style or presentation.

Writing: First World War poetry

Meeting tales (fiction)

Information texts (non-fiction)

- Structure a story using paragraphs and create cohesion between different parts.
 - Show character through dialogue, descriptive detail and body language.
 - Create powerful imagery through word choices.
 - Punctuate speech and dialogue accurately.
 - Use a range of sentence features, including fronted adverbials, relative clauses, noun phrases.
 - Punctuate and separate sentences accurately.
 - Proofread and edit writing to improve it.
- Texts to use:**
- Poetry: First World War poems.
 - Fiction: *Varjak Paw* (S F Said).
 - Non-fiction: *The Cosmic Diary of Our Incredible Universe* (Tim Peake).

French – Presenting myself

- Introduce and describe yourself.
- Speak and write about personal details.

RE – Understanding Christianity God – 2B.1: What does it mean if God is holy and loving?

- What Christians believe about God being omniscient, omnipotent and eternal.
- How not all Christians agree about what God is like but that all try to follow his teachings.
- How Christians styles of worship can differ.