

In **Maths** this half term, we will focus on place value and then addition and subtraction. The children will use lots of concrete manipulatives and pictorial diagrams to compare and order numbers up to one million. Within this unit, the children will also cover counting in 10s, 100s, 1000s and 10,000s as well as rounding to the nearest of these amounts. Roman Numerals up to 1,000 will also be explored as well. Towards the end of the half term, the children will be revising, consolidating and then extending their knowledge of the formal written methods for addition and subtraction.

Science will be the main topic focus for this half term as we explore the Moon's movement in relation to the Earth and the Earth's movement in relation to the Sun. Using scientific drawings, children will be able to explain how day and night occur and understand why there are different phases of the Moon. The children will also learn about the other planets within our solar system, considering how everything is connected in space and whether connections are important. Spiritual development will also be considered when we look for connections about Earth's creation and compare how 1000 years after the scientist Ptolemy's Geocentric solar system idea, the scientist Copernicus put forward his Heliocentric solar system suggestion. But who was right and how do we know?

Our **RE** will involve considering connections within our own communities and then relating this to connections within communities belonging to other faiths – particularly the Muslim community of Umma. The children will explore the different aspects to Islam and how these connect to those within Umma.

During **French** lessons, the children will be learning about pets! As tu un animal? (Do you have a pet?)

CONNECTIONS IN SUPERSONIC SPACE

This half term, Year 5 will explore the big question:
Are connections important?

Through our **English**, the children will be continuing their journeys with 'The Write Stuff' and first completing a narrative piece of writing based on a, Space-themed video clip. 'La Luna' is a film about a young boy who joins his father and grandfather in their task of creating the different phases of the moon. Will he follow in their footsteps or find his own way of doing things? The children will be retelling this story whilst practising their known writing lenses from Year 4 and mastering a few new lenses too. The children will then move on to learning all about the fictional planet – Pandora. Exploring the animal life in this habitat, the children will use their writing skills to create non-chronological reports about a Mountain Banshee, Viper Wolf or a Great Leonopteryx!

In **PSHE**, the children will be learning how to 'Get HeartSmart' – developing their gratitude, e-safety knowledge and leadership qualities, plus thinking about the importance of quality sleep.

Dates for the Diary:

- Tuesday 17th September at 5.45pm – Year 5 Key Messages Meeting
- Friday 18th October – Trip to Winchester Science Centre

PE will take place twice a week – every Tuesday (football - outdoors) and every Wednesday (athletics - outdoors). The children will need to come into school on these days in their PE kits and will remain in them all day – this avoids any need to get changed at school. Please also ensure that any long hair is tied back on PE days and earrings are removed (or taped if they cannot be removed).

In **Art**, the children will develop their colour mixing skills, particularly finding multiple hues of blue to paint pictures of the night sky. They will also experiment with how they can show awareness of composition, organising the foreground, middle ground and background in their work. Creativity will also shine when the children replicate some of Sophie Knight's and Julie Perrot's artwork.

In **Computing**, the children are going to have the opportunity to learn about technology in Space! They will learn how the Mars Rover transmits data back to Earth and begin to explore number in binary, up to eight bits and understand the concept of binary addition too!

In **Music**, the children will learn all about Rock and Roll including learning to do some hand jives and learn to play a walking bass line.

Reading at home, practising spellings and times table practise will continue to be encouraged this year.

Please encourage your child to record their home learning in their reading logs.

- Reading 4x a week
- TT Rockstars and Spelling Shed as much as possible