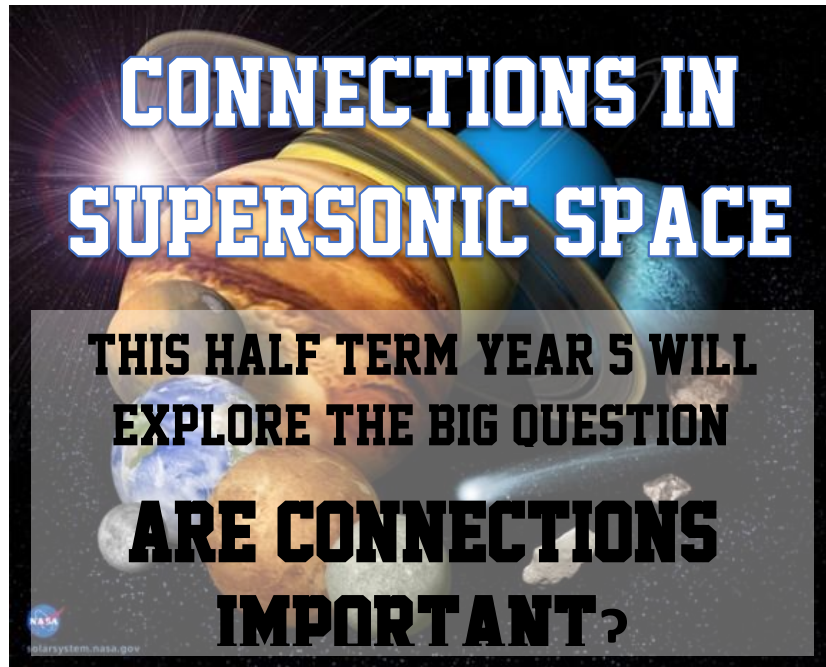


In **Maths** this half term, we will focus on place value and then addition and subtraction. The children will use lots of concrete manipulatives and pictorial diagrams to compare and order numbers up to one million. Within this unit, the children will also cover counting in 10s, 100s, 1000s and 10,000s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

French takes an exciting turn in Year 5 as the children learn about the planets, in French too!



Through our **English**, the children will be continuing their journeys with 'The Write Stuff' and first completing a narrative piece of writing based on an emotive, Space themed video clip. 'One Small Step' is a film about a young girl who dreams of becoming an astronaut and has to overcome many obstacles to pursue her dream. The children will be retelling this story whilst practising their known writing lenses from Year 4 and mastering a few new lenses too. **Book Club** looks exciting for this half term as the children will be improving their inference skills, mastering some new non-fiction retrievals skills when reading about Space and also reading about some less well known - but equally inspirational - scientists. 'Counting on Katherine' will be one of the key texts!

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 20th September at 6pm – Y5 Key Messages Meeting
- Thursday 20st October – Trip to the Science Centre

PE will take place twice a week – every Tuesday (indoor) and every Thursday (outdoor). This will start on Tuesday 13th September (Week 2). 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 theme of Space will continue as the children will explore how a motif can enhance music. 'The Planets' by Gustav Holst will be the main driver for this unit of learning.

Our **DT** project involves creating a Space themed pop-up storybook. They will add accompanying captions, incorporating a range of mechanisms and decorative features, which may include: structures, levers, sliders, layers and spacers.

Reading at home and times table practise will continue to be encouraged this year. Please encourage your child to record their work in their home learning logs.