



Year 5 Topic Web- Term 3 -2019

Journey Through Space

| | Supporting your child's learning at home. |
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| <div style="display: flex;"> <div style="background-color: #e67e22; color: white; padding: 5px; writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Engage</div> <div style="padding: 10px;"> <p>Memorable experience- Arrange for a mobile planetarium to visit our school hall. Compile lists of questions e.g. What is a star? Where does the sun go at night? Does the Moon change shape?</p> <p>Watch original TV documentary footage of moon landings on July 20th, 1969.</p> <p>Year 5 will journey through space, navigating beyond the sun, investigating the other planets in our solar system and take a look at the moon! Exploring space is probably the greatest adventure that humankind has ever undertaken. Are we alone or are there other life forms out there?</p> </div> </div> | <ul style="list-style-type: none"> • Ensure that your child reads daily at home. • Support your child, if it is needed, to help them prepare for their weekly spellings and times tables tests. • My Choice' homework will be given out fortnightly. Try to write a comment in the parents' box and encourage high standards of presentation. • Target Team Maths homework will be given out to complete at home, once we have covered the necessary learning in class. The children will have one week to complete these sheets. • Aim for a Athletics certificate once a week if possible. • <p>Our Whole Class Book: We will continue with a range of Fables as well as Myths and Legends.</p> |

Develop

Children will take inspiration from Moon-inspired myths and a range of fables and find out about our solar system. They will develop their knowledge of how the Moon orbits the Earth, gravity and how Sir Isaac Newton described the concept of gravity. On which planet would you weigh the most? Discuss what Neil Armstrong meant by his now famous quote. Why is there life on Earth? What must be present for life to exist?

Express

The children will write their own engaging fable which has a moral or lesson to it. Year 5 will continue to express themselves through creative writing. Discuss the possibility of life on other planets. Define 'Goldilocks Planet' whose conditions are 'just right' to support life.

Children will use a range of media to express themselves in moon-inspired art work and night time cartoons.

Math

Time-related space problems involving hours, days, years, distance and planetary sizes. Read, write, order and compare numbers with up to three decimal places. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place. Solve problems involving number up to three decimal places. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal. Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.

English

Explore and read myths and fables e.g. The Moon Rabbit, an Asian myth. Write our own engaging fable using a full range of punctuation, such as semi-colons.

Build cohesion within paragraphs e.g. secure use of pronouns, as well as appropriate features for different audiences.

Discuss the possibility of life on other planets. Define 'Goldilocks Planet' whose conditions are 'just right' to support life. Descriptive alien planet writing with fantastical graphic illustrations.

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| Science | | | |
| Art & DT | Moon-inspired art and night time cartoon characters. | PE | Hockey/badminton RE Sikhism in Britain |
| Computing | Excel to produce graphs using planet data e.g. diameter measurements. | PSHE | Voluntary and community groups. |
| Geography | None this term. | French | To conjugate 'Avoir' and use this verb to describe illness. |
| History | Significant individuals: Galileo Galilei, Isaac Newton; 1960's Space Race. | Music | Our Key stage 2 production. Musical appreciation: Holst's 'The Planets Suite' Composition and performance: Rhythm banking based on 'Space' words. |