Year 5 Class Newsletter
Spring Term 1

Believe *Grow* *Achieve*

Stargazers!

THIS TERM'S LEARNING THEME:

STARGAZERS (EARTH AND SPACE)

SUBJECT FOCUS: SCIENCE

Journey through space, the final frontier… Navigate beyond the sun, the magnificent, blazing star at the centre of our solar system!

Investigate the 8 planets- Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. Take a look at the moon, a celestial body that orbits Earth.

Work scientifically to investigate gravity… and what happens when there is none! Compare the time of day at different places on Earth.

Exploring space is probably the greatest adventure that humankind has ever undertaken.

Are we alone or are there other life forms out there?

Dear Parents,

Hello! Happy New Year one and all.

I hope you enjoyed the Christmas break. It's lovely to have the children back and we are already immersed in our new topic after our stellar visit from Warwick's astrophysics group with their planetarium. The children were astro photographers and aliens!

Our charitable giving was a great success – thank you in advance for sponsorship money received for the YPTE (Young Person's Trust for the Environment) on completion of their sponsored minibeast quiz.

Our new topic is Earth and Space and the children have already learned the order of the planets in the Solar System; ask them what position Earth is in!
The home learning project for this half term will be to design and make a rocket that you can launch in school to see whose travels the highest / furthest. Full family participation is positively encouraged in the design and make of their rockets! Completed rockets in school by Monday 10th February. The grand launch will be on Wednesday 12th February at 2.30pm. Parents and carers are welcome to attend the rocket launch on the school field. Your child has full details in their home learning books.

USEFUL INFORMATION

Year 5 will be leading morning worship on Thursday 13th February. If you are able to attend, we welcome you for a 9.10am start.

Parents' Evening: 3rd or 6th February

Mrs Barritt ☺

KEY LINKED TEXT: Skellig by David Almond

ENGLISH:
-Non-Chronological reports
-Narrative
-Newspaper Article
-Diary Entry

SCIENCE: Earth and Space, Working Scientifically
COMPUTING: Digital Citizenship/SID'20
PSHE: Taking Care Project
RE: What matters most to Christians and Humanists?
PE: Gymnastics / Dodgeball
Music: Dancing in the Street

HOW CAN PARENTS HELP?

Please ensure that your child is **reading** daily, either independently or to you and recording this in their learning journals.

Please also ensure that your child is practising their **KIRFS,** practising the **RWI spelling** rule + Spelling Shed activities plus completing their **Mathletics/MatshShed** homework.

Year 5 Mathematics Curriculum

Key areas of focus for this half-term are underlined.

Number and Place Value
- Recognise and use the place value of digits in numbers up to 1 million (1,000,000)
- Use negative numbers, including in contexts such as temperature Round any number to the nearest 10, 100, 1,000, 10,000 or 100,000
- Read Roman numerals, including years

Calculations
- Carry out addition and subtraction with numbers larger than four digits
- Use rounding to estimate calculations and check answers are of a reasonable size
- Find factors of multiples of numbers, including finding common factors of two numbers
- Know the prime numbers up to 19 by heart, and find primes up to 100
- Use the standard written methods of short division and multiplication
- Multiply and divide numbers mentally by 10, 100 or 1,000
- Recognise and use square numbers and cube numbers

Fractions and Decimals
- Put fractions with the same denominator into size order, for example recognising that 3 5 is larger than 2 5
- Find equivalents of common fractions
- Convert between improper fractions and mixed numbers, for example recognising that 5 4 is equal to 1 1 4
- Add and subtract simple fractions with related denominators, for example 2 3 + 1 6 = 5 6
- Convert decimals to fractions, for example converting 0.71 to 71 100
- Round decimals to the nearest tenth
- Put decimals with up to three decimal places into size order Begin to use the % symbol to relate to the 'number of parts per hundred'

Measurements
- Convert between metric units, such as centimetres to metres or grams to kilograms
- Use common approximate equivalences for imperial measures, such as 2.5cm ≈ 1 inch
- Calculate the area of rectangles using square centimetres or square metres
- Calculate the area and perimeter of shapes made up of rectangles
- Estimate volume (in cm3) and capacity (in ml)

Shape and Position
- Estimate and compare angles, and measure them to the nearest degree
- Know that angles on a straight line add up to 180°, and angles around a point add up to 360°
- Use reflection and translation to change the position of a shape

Graphs and Data
- Read and understand information presented in tables, including timetables
- Solve problems by finding information from a line graph