

Year Five Spring 2 2021

Here is our topic for this half term. Please use it to support your children's learning. We will be learning all about forces and how they affect us in our everyday lives.

As Scientists we will:

Explain what gravity is and its impact on our lives, explain why a wheeled object that is initially pushed will slow down and stop, explain the impact of friction on a moving object, explain the effect of drag force on moving objects, explain how force and motion can be transferred through gears, pulleys, levers and springs, describe and explain how motion is affected by forces? (including gravitational attractions, magnetic attraction and friction) Design very effective parachutes and work out how water can cause resistance to floating objects.

As Authors we will:

Write for a range of audiences, changing our sentence structure to suit. Use our knowledge of Science to write a biography and write a non-chronological report about forces.

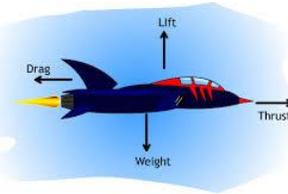
As IT technicians we will:

Interpret and validate information from a range of sources online, recognise that the internet may contain information which is irrelevant, bias, implausible and inappropriate. Search for information using a range of search engines. We will also continue looking at how to stay safe online and protect our information.

As Citizens we will:

Learning about our rights and responsibilities including democracy and how we use it. We will also be discussing our relationships with others and how they impact our well-being.

The Big Question: Can you feel the force?



As Designers we will:

Refine and improve our product. Persevere through different stages of making. Explain why the finished product will be good and how it might appeal to the audience. Check our design and continually adapt our product. Evaluate our product against the original criteria.

As readers we will:

Listen to a read stories linked to our units. We will be reading *Journey to the River Sea* and *the Boy at the Back of the Class*.

As Athletes we will:

Develop and improve our team playing skills and improve our strength and co-ordination through hockey and handball.

As Mathematicians we will:

Compare and order fractions whose denominators are multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$]. Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Read and write decimal numbers as fractions [for example $0.71 = 71/100$]. Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. 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. Recognise the percent 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.

