Year 6 Newsletter
Spring 1

Mathematics
Fractions

- compare and order fractions whose denominators are all 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, [Fraction:2/5]+[Fraction:4/5] = [Fraction:6/5] = 1 [Fraction: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 = [Fraction:71/100]]
- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- read, write, order and compare numbers with up to 3 decimal places
- solve problems involving number up to 3 decimal places
- recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per 100’, and write percentages as a fraction with denominator 100, and as a decimal fraction
- solve problems which require knowing percentage and decimal equivalents of [Fraction:1/2], [Fraction:1/4], [Fraction:1/5], [Fraction:2/5], [Fraction:4/5] and those fractions with a denominator of a multiple of 10 or 25

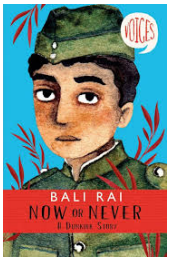
Measurement

- convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]
- understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints

- measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm^2) and square metres (m^2), and estimate the area of irregular shapes
- estimate volume [for example, using 1 cm^3 blocks to build cuboids (including cubes)] and capacity [for example, using water]
- solve problems involving converting between units of time
- use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling

English

Now or Never: A Dunkirk Story by Bali Rai



The story of a young soldier from Rawalpindi, India (nowadays Pakistan) fighting in the Royal Indian Army Service Corps during World War 2. The story is a historical fiction novel based on the Dunkirk evacuation.

The children will be writing some setting descriptions, a letter, a persuasive speech and a retelling of one of the final chapters.

Science

What is the human circulatory system?

- identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
- recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
- describe the ways in which nutrients and water are transported within animals, including humans
- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations
- exploring the work of scientists and scientific research about the relationship between diet, exercise, drugs, lifestyle and health.

Art
How does Magdalene Odundo's work reflect her Kenyan upbringing?



Magdalene Odundo produces exceptionally finely made pottery, often with complex sculptural characteristics. Born in Nairobi in Kenya, Odundo travelled to Britain in 1971 to train as a graphic artist. However, two years later she turned her attention to ceramics. Since then she has developed an individual and highly expressive artistic language. This is underpinned by her conscious use of traditional African techniques and forms.

At the end of this unit we will be making a vase out of air dry clay in the style of Magdalene Odundo.

History
How have Brits fought for their rights?

We will be learning about the miners strikes in the 1980s and discussing why the miners were striking and how this affected the communities they lived in. We will be linking this with how the LGBTQ+ community supported a group of miners in Wales and finally how the LGBTQ+ community have, in turn, fought for their own rights.

PSHE
How can I be the best I can be?.

- Being able to be realistic and at the same time aspirational.
- Being able to link how learning is important for future development.
- Understand how being determined and motivated can help you to reach goals.
- Understand what choice meansBeing able to show empathy for others.
- Thinking about the best way to help othersUnderstand how to work well with others.
- Understand why setting small steps is important to achieving a goal.
- Understand why it feels good to work with others.
- Think of the motivation of helping others.
- Think about what you have contributed.
- Understand how to share in the success of the group.
- Think about how that makes you feel inside.

R.E
What do people believe about life after death?
The unit involves discussing rituals and funeral rites and the pupils also learn about the Hindu, Christian, Muslim and Humanist beliefs about life after death. This is a sensitive unit which we handle very carefully and will inform you if there are any

concerns we have regarding teaching this unit.

Computing
Introduction to Spreadsheets
This unit introduces the learners to spreadsheets. They will be supported in organising data into columns and rows to create their own data set. Learners will be taught the importance of formatting data to support calculations, while also being introduced to formulas and will begin to understand how they can be used to produce calculated data. Learners will be taught how to apply formulas that include a range of cells, and apply formulas to multiple cells by duplicating them. Learners will use spreadsheets to plan an event and answer questions. Finally, learners will create charts, and evaluate their results in comparison to questions asked.

Music
Can we compose and record Popular theme music?
Using Classroom Instruments and Keyboards to create a piece.

P.E
Rugby
Dance

French
In my French house
Learning how to describe a house - the different rooms and who lives there. Learning about prepositions to explain where items are arranged in their bedrooms

Key dates
2nd February - Centre of the cell - science workshop in school
P.E every Thursday

How to support your child at home with their learning this half term…

Children should be reading every day for a minimum of 20 minutes.

Children have been given some CGP revision guides for their homework. Their teacher will inform them which pages to complete each week. There will also be weekly spelling tests. Children need to practice these words and learn the meanings of them.