



Year 6 Class Newsletter

Spring Term 1

Love, inspire, achieve and give, respect, be honest and forgive.
Everyone has the right to go home happy.



The Blood Heart

SUBJECT FOCUS: SCIENCE

THIS TOPIC IS FOCUSING ON SCIENCE AND HOW TO KEEP HEALTHY.

WE PRIMARILY LOOK AT THE FUNCTIONS OF THE HEART AND WHAT WE CAN DO TO PREVENT HEART DISEASE.

THIS TOPIC ALLOWS THE CHILDREN TO DESIGN HEALTHY FOODS AS WELL AS A FUNDRAISING EVENT FOR THE BRITISH HEART FOUNDATION

Dear Parents

One term already gone and I am very proud of all the children's hard work and tenacity. The children are making fantastic progress and getting in the correct frame of mind ready for SATs – which will soon be here! Thank you for your continued support.

USEFUL INFORMATION

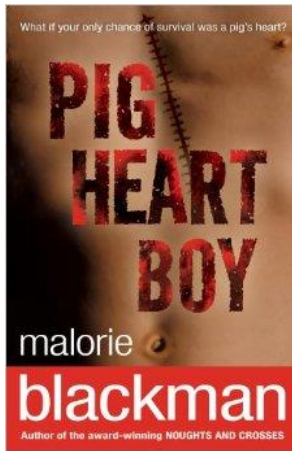
PE will take place every Tuesday and Thursday, so please ensure that correct PE kit is in school on these days.

Learning Logs

We expect the children will take good care of their learning logs. We encourage the children to record their home reading and make a short comment on the characters, plot and new vocabulary that they've learned. We also use these logs to communicate with you so please feel free to use them for this. A charge of £2 will apply if a replacement is needed.

Home Learning Online

Home learning will continue to be set each week on the year 6 page of the school website. This will dovetail into what the children have been learning in class, focused upon topic work and will consolidate learning where necessary. In addition we will set weekly spellings through the RWI spelling programme. Children will be set maths homework primarily via Mathletics and English homework is daily reading and via a website www.spag.com. As we approach SATs children will be given more past papers and bespoke revision to do at home.



KEY LINKED TEXT: Pig Heart Boy

Our English this term will be focused on classic poetry, passive voice and figurative language. We will also be looking at writing fictional stories with powerful vocabulary in Big Writes throughout this term.

In maths we will be covering algebra, geometry and calculating 2 and 3 step calculations.

Science: The heart and keeping healthy; The nervous system, major organs
 ART AND DESIGN: Creating model hearts; Lino printing of hearts on T-shirts – abstract art
 COMPUTING: Interface designing
 PSHE: Harmful substances and caring about others
 RE: Freedom

Year 6 is a transitional year for your child, whereby, they will flourish into young adults as they approach the next chapter in their life, secondary school. It is my intention to prepare your child for such changes and encourage their independence. If you have any concerns or issues with your child, please don't hesitate to pop in for a chat so we can sort out any concerns you might have.

Year 6 Mathematics Curriculum

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

Number and Place Value

- 📊 Work with numbers to up ten million (10,000,000) including negative numbers
- 📊 Round any number to any required number of digits or magnitude

Calculations

- 📊 Use the standard method of long multiplication for calculations of four-digit numbers by two-digit numbers
- 📊 Use the standard method of long division for calculations of four digit numbers by two-digit numbers
- 📊 Identify common factors, common multiples and prime numbers
- 📊 Carry out complex calculations according to the mathematical order of operations
- 📊 Solve complex problems using all four operations

Fractions and Decimals

- 📊 Use common factors to simplify fractions, or to add fractions with different denominators
- 📊 Place any group of fractions into size order
- 📊 Multiply pairs of fractions together
- 📊 Divide fractions by whole numbers, for example $1\frac{3}{4} \div 2 = 1\frac{6}{8}$
- 📊 Use division to calculate the decimal equivalent of a fraction
- 📊 Know and use common equivalences between fractions, decimals and percentages, such as $1\frac{1}{2} = 0.5 = 50\%$

Ratio and Proportion

- 📊 Find percentages of quantities, such as 15% of £360
- 📊 Use ratio to explain relationships and solve problems
- 📊 Use simple scale factors for drawing simple shapes or diagrams

Algebra

- 📊 Use simple formulae
- 📊 Describe sequences of numbers where the increase between values is the same each time
- 📊 Solve missing number problems using algebra
- 📊 Find possible solutions to problems with two variables, such as, $a + b = 10$

Measurements

- 📊 Convert between any metric units and smaller or larger units of the same measure
- 📊 Convert between miles and kilometres
- 📊 Use a given formula to find the area of a triangle or parallelogram

Shape and Position

- 📊 Draw 2-d shapes using given sizes and angles
- 📊 Use knowledge of 2-d shapes to find missing angles in triangles, quadrilaterals and other regular shapes. Name and label the radius, diameter and circumference of a circle
- 📊 Find missing angles in problems where lines meet at a point or on a straight line
- 📊 Use a standard grid of coordinates including negative values

Graphs and Data

- 📊 Construct and understand pie charts and line graphs
- 📊 Calculate the mean average of a set of data