



Year 6 Class Newsletter

Autumn Term 2

Believe

Grow

Achieve



The Frozen Kingdom

THIS TERM'S LEARNING THEME:

THE FROZEN KINGDOM

SUBJECT FOCUS: GEOGRAPHY & SCIENCE

Welcome to the planet's coldest lands... vast wilds, hostile territories, incredible beauty yet often deadly.

Take shelter from the elements or fall prey to icy winds and deepest chill. Research the polar regions and learn about the dangers of icebergs.

Become a member of the Antarctic rescue team in this geography topic with links to science, computing, music and PE.

Dear Parents

One half-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, leading their own learning, growing in independence and are role-models around the school – keep it up!

USEFUL INFORMATION

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

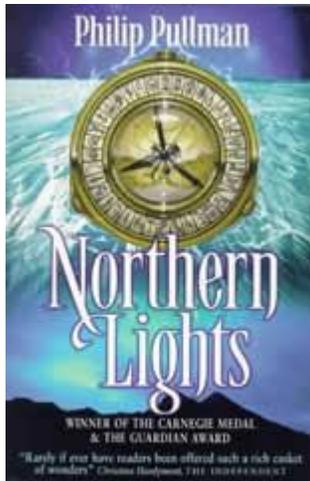
Learning Logs

We expect 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.

Home Learning

Children will be set maths homework primarily in homework books and via Mathletics on Thursday. Homework is to be handed in for marking on Tuesday. Spellings will be given out each week on Mondays, following a specific spelling rule.

Dean Sanderson
Year 6



KEY LINKED TEXT: Northern Light

Our English this half term will be focused on debate writing and narrative texts. We will also be looking at writing fictional legends, reports and texts with powerful vocabulary in extended writes throughout this term.

In maths this term we will be covering addition, subtraction, fractions and focusing heavily upon maths investigations and applying maths in the real world.

Science: Biodiversity – living things and their habitat

Geography: The North and South Poles including biomes

Computing: Data analysis

PSHE: reflecting on achievements

RE: Was Jesus the Messiah?

PE: Team games and gymnastics

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