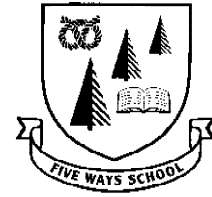


Autumn Term Year 5



Mathematics



This term I will learn to:

Read, write, order and compare numbers to at least 1,000,000.
Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000, e.g. $4999 + 10$.
Count forwards and backwards with positive and negative whole numbers.
Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 1,000,000.
Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals.
Add and subtract whole numbers with more than 4 digits, using formal written methods (columnar addition and subtraction).
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
Read and interpret line graphs.
Multiply and divide whole numbers by 10, 100 and 1,000.
Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
Recognise and use square numbers and cube numbers and the notation for squared (2) and cubed (3)
Solve problems involving multiplication and division including using my knowledge of factors and multiples, squares and cubes.

Useful Resources:

www.mathszone.co.uk
www.topmarks.co.uk/maths-games

www.teachingtime.co.uk
<http://resources.woodlands-junior.kent.sch.uk/>

English













This term I will learn to:

Write a story (or an additional extract) for a story in the style of Michael Morpurgo and David Walliams.
Discuss my favourite contemporary author and give reasons for my choice.
Create and write about a character by describing personality and appearance.
Use relative clauses beginning with who, which, where, when, whose and that, e.g. The wolf, which was stalking his prey, hid dangerously in the dark forest.
Create a non-chronological report linked to topic work or personal interest using independent research techniques.
Know the difference between facts and opinions.
Identify key poetic features in a given poem.

Useful Resources:

www.midlandit.co.uk/education

www.woodlands-junior.kent.sch.uk

Subject	This term I will learn to:
Science 	Learn that materials can be used for a specific purpose according to their properties. Describe the differences between solids, liquids and gases. Observe changes to materials and comment on whether they are reversible or irreversible. Use a wider range of basic equipment with greater independence when carrying out an investigation.
Computing 	Use strategies to keep safe on line. Manipulate images using picture editing tools and discuss the effects. Create a simple stop motion animation.
History 	Learn key facts about the Ancient Civilisation of The Mayans. Compare the Ancient Civilisation of The Mayans with life in Anglo-Saxon Britain.
Geography 	Describe and understand key aspects of Physical Geography: mountains, volcanoes, and earthquakes. Identify the position and significance of latitude, longitude, including Equator, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle.
Religious Education 	Explore stories and teachings found in sacred books and investigate a range of religious teachings. Explore aspects of the Hindu faith. Explore the symbolic use of a wide range of objects, sounds, visual images, actions and gestures and make suggestions as to the intended meaning they might have for believers.
Design & Technology 	Investigate the use of gears to design a fairground ride.
Art 	Make detailed observational drawings of manufactured objects.
Music 	Understand the development of rock music from the Beatles onward including analysis of performance, composition, improvisation and singing. Learn songs which develop vocal and aural skills.
Physical Education 	Develop flexibility, strength, technique, control and balance through gymnastics. Perform actions, shapes and balances consistently and fluently in specific activities. Use running, jumping, throwing and catching in isolation and in combination. Develop a broader range of techniques and skills for attacking and defending. Use and apply the basic strategic and tactical principles of attacking an opponent in a game and adapt them to different situations.
Modern Foreign Languages 	Name parts of the body. Describe my appearance and how I am feeling.