

Year 6 Curriculum

Advent Term

Maths

Year 6 maths builds on prior learning, developing pupils' fluency, reasoning and problem-solving skills in preparation for secondary school.

Place Value:

Numbers up to ten million

Four Operations :

Addition and subtraction up to ten million.

Multiplying and dividing up to 4 digit by 2 digit

Negative numbers:

Counting across zero

Fractions:

Equivalent, comparing, ordering, adding, subtracting, multiplying mixed fractions and dividing.

Decimals:

Comparing, ordering, adding, subtracting and multiplying to two decimal places.

Percentages:

Finding percentages of an amount and comparing.

Algebra:

Identifying rules, using formulae and missing numbers.

Ratio:

Solve problems with multiplying and dividing.

Geometry:

Draw and classify 2D and 3D shapes.

Name parts of a circle and all types of angles.

Area and Perimeter:

Calculate the area and perimeter of simple and complex shapes.

Homework Project to be completed and in school by Monday 16th November

Choose **two** of the following :

Create your own poppies using any material you like.

Make a PowerPoint presentation on the main events in WW1

Visit a local war memorial and take some photos you can share with the class along with some information.

Research the uniform of a WW1 soldier and present the information to the class

Useful websites: BBC Bitesize, WW1 , Britannica Kids , Ducksters

English

In Year 6, children will continue to develop their reading and writing skills, preparing them for secondary school.

Key Knowledge

Write clearly and effectively for different purposes, including narratives, diaries, biographies ,stories from other cultures and poetry.

Use a wide range of punctuation accurately, including commas, brackets, dashes, colons and semi-colons.

Apply Year 5 and 6 spelling rules and spell statutory words correctly.

Identify and use key grammatical features, including word classes, clauses, phrases and verb tenses. Edit and improve writing to improve accuracy and effectiveness.

Class reads- "Private Peaceful" by Michael Morpurgo and "Hansel and Grettel" by Neil Gaiman

History— World War One

In this unit, children will learn about the causes, key events and consequences of the First World War. They will explore why the war began, what life was like for soldiers in the trenches, and how the conflict changed Britain and the wider world before writing an essay to answer the question: What were the causes and consequences of the First World War?

Key Knowledge

The First World War began in 1914 and ended in 1918.

Key causes of the war included alliances, imperialism, militarism and nationalism.

The Western Front was a major area of fighting.

Life in the trenches was difficult and dangerous.

New weapons and technology changed the way war was fought.

The war ended with the Armistice on 11 November 1918.

The First World War had significant consequences for Britain and the wider world.

RSHE: Gifts and Talents - Girls' Bodies -Boys' Bodies

Spots and Sleep - Body Image - Peculiar Feelings

Emotional Changes - Seeing Stuff Online - Making

Babies (Part 1 and 2) - Menstruation - Hope Beyond

Death - Coping with Change

Parent portal information:

<https://www.tentenresources.co.uk/parent-portal/>

Username—st-joseph-le16

Password—blue-door-4

French: Children will continue developing their French pronunciation by learning new phonics sounds before exploring vocabulary for items found in the classroom. They will learn to ask and answer questions about what they have and don't have in their pencil case and create a school supplies list using French vocabulary and prices.

Key Knowledge

New phonemes include qu, gne, ç, en and an.

Children will learn the French names for common classroom objects.

They will use *my* as well as *a/an* in French.

Science—The human body

In this unit, children will learn about the human circulatory system and how the heart, blood and blood vessels work together to transport oxygen and nutrients around the body. They will also investigate how exercise affects heart rate before creating a labelled diagram of the circulatory system.

Key Knowledge

The circulatory system is made up of the heart, blood and blood vessels.

The heart pumps blood around the body.

Blood carries oxygen, nutrients and waste products.

Blood contains red blood cells, white blood cells, platelets and plasma.

There are three main types of blood vessels: arteries, veins and capillaries.

Heart rate increases during exercise because the body needs more oxygen.

Pulse rate can be used to measure heart rate.

Design & Technology :

In this unit, children will learn about the Make Do and Mend campaign during wartime Britain and explore how clothes are made and repaired. They will practise a range of sewing techniques before designing and creating their own textile item.

Key Knowledge

The Make Do and Mend campaign encouraged people to repair and reuse clothing during wartime.

Garments are made by joining pieces of fabric together.

Sewing can be used to repair, join and decorate textiles.

Children will learn and practise running stitch, blanket stitch and whip stitch.

Existing textiles can be repurposed to create something new.

Designing helps textile makers plan their final product before it is made.

Art : In this unit, children will explore abstract art, learning how artists use colour, shape and distortion to express ideas and emotions rather than showing objects realistically. They will study the work of artists including Kandinsky, Picasso, Robert and Sonia Delaunay, before creating their own artwork inspired by the Orphism style.

Key Knowledge

Abstract art does not show objects realistically.

Orphism uses bright colours and geometric shapes.

Colour can be the main focus of an abstract artwork.

Computing: In this unit, children will learn how websites are structured and designed. They will explore what makes an effective web page, consider how images and content are used responsibly online, and create their own example webpage.

Key Knowledge

A website is made up of one or more web pages.

Web pages need a clear layout and purpose.

Images and other content may be protected by copyright.

Web pages should be previewed and tested before publishing.

Geography— Local Knowledge

In this unit, children will learn how the world is divided into time zones and how geographical features help us locate places around the globe. They will explore continents, countries, the Prime Meridian, the Equator and the Tropics before creating a coded poster to showcase their learning.

Key Knowledge

There are 7 continents and 24 time zones.

The Prime Meridian runs through Greenwich, London, and divides the Earth into the Eastern and Western Hemispheres.

Countries east of the UK are generally ahead in time, while countries west are behind.

The International Date Line marks where one day changes to the next.

The Equator, Tropic of Cancer and Tropic of Capricorn are important imaginary lines on Earth.

Areas near the Equator are generally warmer and wetter.

Maps, atlases, globes and digital maps help us locate countries and geographical features.