

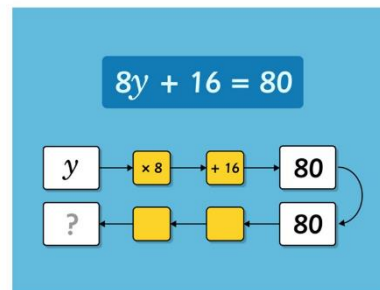
Mathematics

This term we will begin by delving into the beginnings of Algebra, following up by looking at perimeter, area and volume and the formulas for each. During the last weeks we will be moving on to triangles and angles where the children will be using protractors and learning rules for shapes. For copies of previous SAT's papers visit: https://www.satspapers.org.uk/Page.aspx?Tid=5#MATHS_SATS_3_5 - PLEASE DO NOT USE 2025 PAPERS WITH YOUR CHILD

Algebra is a branch of mathematics where we use **letters and symbols** (like x or y) to represent numbers. In Year 6, students start learning basic algebra concepts to help them solve problems involving unknown numbers.

$$x+5=12$$

What is the value of y when $8y + 16 = 80$?



1 The angles below are taken from a triangle.

What is the value of the missing angle?

45°

90°

70°

75°

Classroom Secrets KIDS

Resource: area, perimeter, volume

Area	Perimeter	Volume
The space inside a shape. How many square units fit inside a shape.	The space around the outside of a shape.	The amount of space inside a three dimensional shape.
$4 \times 4 = 16$ Units squared	$3+3+7+7=20$ Units	$4 \times 3 \times 3 = 36$ Units cubed
To find the area, multiply length by width. Area=L x W	To find perimeter, add all the sides: $L+W+W=L+2W$ Perimeter= add all sides	To find volume multiply length, by width, by height Volume= L x W x H
Units squared	Units	Units cubed

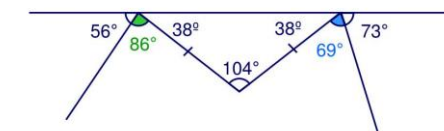
The **perimeter** of a shape represents the distance around it, the **area** of a shape is the surface or flat space that the shape covers (in 2D /two-dimensional shapes) while the **volume** of a shape is the space it occupies in real life (in 3D /three-dimensional shapes).

In Year 6, students learn that the angles in a triangle always add up to 180 degrees, and they practice calculating missing angles using this principle.

Calculating angles



Calculate the size of the lettered angles in this diagram.



English

In English our main writing genres will be non-chronological reports, diary entries and poetry.

Writing Genre:	Non-fiction	Recount	Real-life
Work:	Newspaper reports	Diaries	Narratives
Main skills covered	<ol style="list-style-type: none"> 1. Written in formal language 2. Use of direct and reported speech 3. Use of passive voice 4. Change in formality 5. Pictures and captions (what is the effect?) 6. Choosing the vital information 	<ol style="list-style-type: none"> 1. Use of informal language 2. Written in the past tense and usually written in chronological order (in time order) 3. Including thoughts and feelings (how can you show not tell?) 	<ol style="list-style-type: none"> 1. Spelling and grammar (Is it legible?) 2. Story structure and continuity (Does it make sense and does it flow?) 3. Character and plot analysis. (Are your character's engaging? Does your problem / resolution work?) 4. Develop characters by use of speech (DASH) 5. Use of paragraphs when there is a change in topic, time or place
Ways to help at home:	Read newspaper articles and identify the similarities	Discuss the use of a diary and if the children currently have one.	Discuss the plot of the stories that they like whether it be TV films/ series or books. Talk about the journey from beginning » build-up » problem » resolution » end of the story

Spelling: We continue to follow the year 5 and 6 key words using RWI and practice will be set using Doodle Spell.

Guided Reading: Our guided reading book this term will be *The Midnight Guardians* by Ross Montgomery. This is a brilliant text that combines elements of our World War Two theme with other genres like comedy, adventure and fantasy.

Other Subjects: During the term we will also be looking at Spreadsheets in Computing. During our PE lessons we will be focusing on Yoga and Athletics. For Science we will be investigating Electricity, using circuits and their symbols. For our PSHE we will be focusing on transition and discussing the children's worries, giving them coping strategies to support them. We also have a WW2 Workshop booked, where the children will truly be able to step into the lives of evacuees during World War 2. Not forgetting that we will be celebrating World Book Day on 5th March, what a busy and fun-filled term. In DT we will be making bags, which is a new unit that we think the children will enjoy, it will include sewing skills - so get practicing!

Year 6 - What was the impact of World War 2 on the people of Britain?

accuracy	An assessment of whether a source is likely to be correct or complete.	Operation Sea Lion	The codename for Hitler's plan to invade Britain by sea.
appeasement	A policy of allowing a country to do what it wants, in an effort to avoid war.	propaganda	Information given out that may not be accurate but is intended to make people believe something or to hold a particular point of view.
Battle of Britain	The 1940 air battle between Germany and Britain for air supremacy.	reliability	An assessment of how trustworthy or accurate a source is likely to be.
bias	The favouring of a person or group in an unfair way.	Treaty of Versailles	An agreement made after WWI that required Germany to pay financial reparations, disarm, lose territory, and give up some of its territories.
The Blitz	An intensive military attack in which British cities and industrial areas were targeted by the Luftwaffe.		
evacuation	The moving of people from a dangerous place to a safer place.		

Battle of Britain

The Battle of Britain (July - October 1940) had four phases and was initially fought over the south coast of England. The Luftwaffe planned to destroy Britain's air defences to pave the way for a larger German invasion by sea. However, thanks to their careful organisation, military tactics and use of radar, the Royal Air Force (RAF) were able to stop the Luftwaffe. These RAF pilots became known as 'The Few' because they successfully repelled an attack against a larger fighting force.



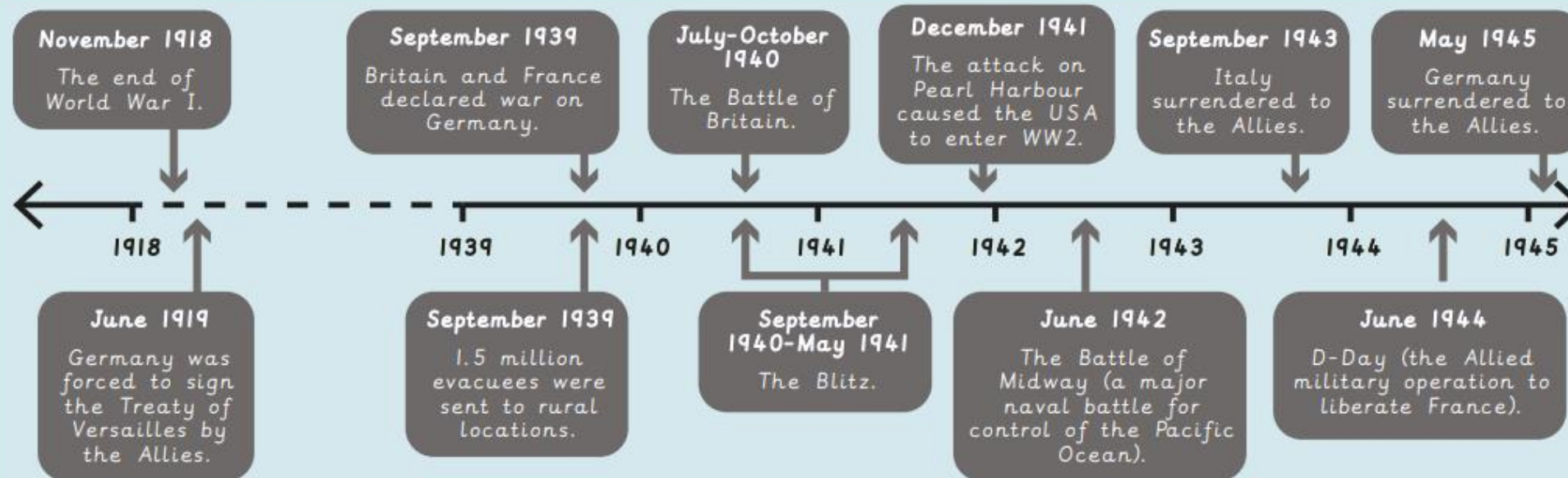
The Blitz

Coming from the German word blitzkrieg ('lightning war'), the Blitz started in September 1940 when German bomber planes began targeting British cities and industrial areas - particularly London, Coventry, Manchester, Cardiff, Belfast and Clydebank.



Year 6 - What was the impact of World War 2 on the people of Britain?

Timeline of World War 2



Evacuation

Evacuation took place in stages. When war was declared in September 1939, 1.5 million evacuees were sent to live in safer areas in the countryside. More followed when the Blitz began a year later and again in the middle of 1944 when Germany attacked the east and south-east of England.



Impact of WW2 on women's lives

During WW2, women had to play a greater role in society due to the absence of many men. In 1939, around five million women were employed, but by 1943, there were over seven million. Women filled employment roles in many different industries and the armed services.

