

Year 6 Curriculum Overview
Term 3.2

Teaching Team: Miss Fowler, Mrs Akhtar and Miss Chahal SLT: Mrs Z Thewlis

PE (Physical Education) Days: Monday

Homework: Every Tuesday and Friday

Please see below an overview of the main themes, knowledge and skills we will be covering this half term.

Enquiry	How did World War I and World War II			
Question	change Great Britain?			
Significant	Khudadad Khan, Noor Inayat Khan			
People				
Class Texts	Letters from the Lighthouse – Emma Carroll EMMA CARROLL PROM THE SET OF THE			
	Friendship and acceptance.			
Reading	Reading domain: 2b retrieve and record information / identify key details from fiction and non-fiction 2d make inferences from the text / explain and justify inferences with evidence from the text 2g identify / explain how meaning is enhanced through choice of words and phrases Test techniques: This half term, year 6 pupils will be developing			
	their retrieval, inferential skills, the impact of			

	selected vocabulary upon the reader, words in context and comparisons of texts. They will recap and recall their understanding of the literal and inferential. As we progress through the term children will be exposed to a range of different texts and use the PEE method (point, evidence and explain) to structure their responses using evidence from the text to justify and support their response. Children will know how to find and copy words from various texts, using their prior knowledge as well as what they have read. Pupils will use clues in the text to decipher meaning of unfamiliar words and consider how they have been used.
Writing	This half term pupils will explore diary entries and narrative writing – the purpose, audience and features. They will then use their knowledge to compose their own diary based on a range of context developing skills: informal and impersonal language, varying sentence openers, verb and tense agreement, and the use of a range of punctuation.
Maths	This half term, pupils will focus on geometry: properties of shape and position and direction and statistics – interpreting and drawing line graphs, pie charts and working out the mean average.
History	Pupils will be taught about the causes, events and consequences of the First and Second World Wars, the influence of new inventions on warfare, how life in Great Britain was affected and the legacy of the wars in the post-war period.

Geography	Pupils will know that geographical interconnections are the ways in which people and things are connected. They will learn that the Axis Powers were Germany (led by Adolf Hitler), Italy (led by Benito Mussolini) and Japan (led by Emperor Hirohito). The Allied Powers were Great Britain (led by Neville Chamberlain and then Winston Churchill), the Soviet Union (led by Joseph Stalin) and the United States (led by Franklin D Roosevelt and then Harry S Truman). Members of the British Commonwealth of Nations also fought for the Allied Powers.
Science	Children will learn about the way that light behaves, travelling in straight lines from a source or reflector, into the eye. They explore how we see light and colours, and phenomena associated with light, including shadows, reflections and refraction.
Mandarin	Children will be learning about these topics, this half term:
DT	Children will learn about some remarkable engineers understanding how to strengthen, stiffen and reinforce more complex structures. They will apply their knowledge and build a lighthouse considering how to ensure it is a sturdy structure fit for purpose.

Music	This is a six-week unit of work. All the learning in this unit is focused around one song: Music and Me, focusing on inspirational women working in music, and part of Brighter Sound's pioneering gender equality initiative Both Sides Now. Throughout this unit, students will explore the concept of 'identity.
PSHE	 What will change as we become more independent? Children will learn: That people have various kinds of relationships in their lives How growing up and becoming more independent comes with increased opportunities and responsibilities How friendships change as we grow and how to manage this
Computing	Pupils will learn about spreadsheets. They will be supported in organising data into columns and rows to create their own data set. Learners will be taught the importance of formatting data to support calculations, while also being introduced to formulas and will begin to understand how they can be used to produce calculated data. Learners will be taught how to apply formulas that include a range of cells and apply formulas to multiple cells by duplicating them. Learners will use spreadsheets to plan an event and answer questions. Finally, learners will create charts, and evaluate their results in comparison to questions asked.
RE	Expressing Joy
(Religious Education)	

	Pupils will use their knowledge about Islamic festivals - Eid ul Fitr and Eid ul Adha and how people express their joy.
	Appreciating Beauty Considering The Lord's Prayer and how it helps Christians to worship God and in what ways it can be said to be beautiful.
PE	Cricket
	Tennis

Knowledge Organiser:

Reading

Book Knowledge Organiser – Letters From The Lighthouse by Emma Carroll

Important Information

<u>Plot</u>
The story is about a girl named Olive, and her brother Cliff who are evacuated from London to coastal Devon to get away from the German air

It tells the story of how Olive makes/loses/and makes again friendships, adapts to a different life by the sea, gets involved in hunting for her missing sister Sukie, and generally becomes an amateur sleuth to work out how everyone around her appears to be involved in some kind of secret plot.

<u>Themes</u>
Prejudice, fear, independence, bravery, love, life, loss, tolerance and

<u>Setting</u>
The book is set in 1941 in the midst of World War II. The children are evacuated from London and sent away to the Devon coast.

Character

Olive: Quick thinking and adven urous sister of Cliff and Sukie (12 year old). Cliff: Olive and Sukie's youngest brother (8 year old). Esther: a Jewish refugee.

Ephraim: the lighthouse keeper who takes in Olive and Cliff as evacuees. Sukie: Eldest sister of Cliff and Olive (17 year old).

Story Type Historical fiction ·Adventure Mystery

'Make Do and Mend.' "Careless Talk Costs Lives." "Do Your Duty.



Name of Book: Letters from the Lighthouse Date Published: June

Author: Emma Carroll

Link to Enquiry
Letter From the Lighthou explores the themes: prejudice, fear, independence, bravery, love, life, loss, tolerance and bereavement. Emma focuses on the differing and devastating impact that the War (and its lead-up) has on the characters in the book, both young and old, and captures the, at times, discordant mood of the community, which brings to life the events of World War II and how it affected

Key Questions/Reflection Points

. Why were children sent away?
. What impression do you get of each character?
. How do you think the children would have been feeling the night before they had to

eave r What is a 'Jerry'? Why were blackout curtains used? What do you think the war time phrases for some of the chapters mean?

. what do you think t	the war time phrases for some of the chapters mean?		
Key Vocabulary			
air raid	An attack in which bombs are dropped from aircraft on to a ground target .		
evacuee	Someone who has been sent away from a dangerous place to somewhere safe, especially during a war.		
foreign	Of, from, in, or characteristic of a country or language other than one's own.		
Jerry	A German soldier.		
Kindertransport	The operation to evacuate Jewish children from Nazi- controlled areas of Europe to the United Kingdom between 1938 and 1940.		
Luftwaffe	The German Air force.		
Nazis	A member of a German fascist party controlling Germany from 1933 to 1945 under Adolf Hitler.		
ration	A fixed allowance of provisions or food, especially for soldiers or sailors or for civilians during a shortage.		
refugee	A person who has been forced to leave their country in order to escape war, persecution, or natural disaster.		
telegram	a piece of paper with a message sent by telegraph.		

Writing

SpellingsI need to know some of these:			
accommodate	correspond	hindrance	recognise
accompany	criticise	individual	recommend
according	curiosity	interfere	relevant
achieve	definite	interrupt	restaurant
aggressive	desperate	language	rhyme
amateur	determined	leisure	rhythm
ancient	develop	lightning	sacrifice
apparent	dictionary	marvellous	secretary
appreciate	embarrass	mischievous	shoulder
attached	environment	muscle	sincere
available	equip(-ped)	necessary	sincerely
average	equipment	neighbour	soldier
awkward	especially	nuisance	stomach
bargain	exaggerate	оссиру	sufficient
bruise	excellent	occur	suggest
category	existence	opportunity	symbol
committee	explanation	parliament	system
communicate	familiar	physical	temperature
community	foreign	prejudice	thorough
competition	forty	privilege	twelfth
conscience	frequently	profession	variety
conscious	government	programme	vegetable
controversy	guarantee	pronunciation	vehicle
convenience	harass	queue	yacht

Punctuation Reminders:			
Α	Capital letters for sentences, initials and proper nouns.		
	Full stops		
!	Exclamation marks for exclamations or surprise.		
?	Question marks		
•	Apostrophes for possession and missing letters.		
,	Commas in lists, and to mark parenthesis, fronted adverbials and clauses.		
	Ellipsis to show a long pause for tension.		
""	Inverted commas for speech (Don't forget the commas too!).		
-	Hyphen to connect words together.		
-	Dashes to show longer pauses or parenthesis.		
()	Brackets for parenthesis.		

Splendid Subordination!

Use these conjunctions in varied places in your multi-clause sentences:

if because as
before after until
unless since when
Can you use a subordinate
clause in different places in
your sentences?

Writing Mat Working towards Year 6

Active and Passive

Use active and passive sentences appropriately:

Active: In front of millions of screaming fans, the star striker missed a vital penalty.

Passive: In front of millions of screaming fans, a vital penalty was missed by the star striker.

Important Links!

Link your sentences and paragraphs using adverbials:

Time

Subsequently, Later that day, Finally,

Place

Deep inside the forest, Below the sea,

Frequency

Occasionally, Often,

Contrast/ Cause

On the other hand, In contrast, As a result, Consequently,

Manner/ Behaviour

Breathing heavily, Waiting anxiously, Without warning, Suspecting the worst, Use a mixture of simple, compound and multi-clause sentences.

Use a thesaurus to up-level your vocabulary choices.

It's All Relative!

Use a relative pronoun to add a relative clause.

who, which, where, when, whose, that

The Queen, who has reigned for 60 years, has four children.

Hedgehogs eat garden snails, which is important within the food chain.

The stench was so putrid that it made her eyes water.

They had ventured deep into the forest where they began to feel uneasy.



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Creating Cohesion Top

Tip: Not only can you use pronouns like he, she, it or they instead of repeating a name or names but how about other names or titles too? Here's some examples: the teacher, she, Mrs Smith, the lovely woman or the lady with the long hair.

Be a Punctuation Professional:

	Capital letters for sentences, initials and proper nouns.
--	---

Full stops

Exclamation marks for
avelamations or surprisa

- Question marks ?
- Apostrophes for possession and missing letters.
- Commas in lists, and
- pause for tension Inverted commas for speech (Don't forget the commas
- too!). Hyphen to connect words
- Dashes to show longer pauses or parenthesis. Brackets for extra
- () information or asides.
- Colon to separate clauses.
- Semi colons to separate

Use active and passive sentences appropriately:

Writing Mat

Expected Year 6

Perfect Parenthesis!

Use brackets, commas or dashes to punctuate extra information and asides: The tomb of Tutankhamen (the Ancient Egyptian pharaoh) was discovered by Howard Carter.

The advancing alien, who was speaking a Martian language, looked dangerou

The daffodils – my favourite sign of spring – swayed gently in the woodland breeze.

Use a thesaurus to look for more ambitious synonyms. Why use 'frightened' when you could use...

alarmed apprehensive

Or 'show' a character's feelings: his breathing quickened her heart

sweat trickled gasping for air

epeningeni - need to miter an ej ancee.				
accommodate	correspond	hindrance	recognise	
accompany	criticise	individual	recommend	
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bargain	exaggerate	оссиру	sufficient	
bruise	excellent	occur	suggest	
category	existence	opportunity	symbol	
committee	explanation	parliament	system	
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conscious	government	programme	vegetable	
controversy	guarantee	pronunciation	vehicle	
convenience	harass	queue	yacht	
	accompany according achieve aggressive amateur ancient appreciate attached average average average category committee communicate community competition conscience conscious controversy	accompany criticise according curiosity achieve definite aggressive desperate amateur determined ancient develop apparent dictionary appreciate embarrass attached environment available equip(-ped) average equipment awkward especially bargain exaggerate bruise excellent category existence committee explanation communicate familiar competition forty conscience frequently conscious government controversy guarantee	accompany criticise individual according curiosity interfere achieve definite interrupt aggressive desperate language amateur determined leisure ancient develop lightning apprent dictionary marvellous appreciate embarrass mischievous attached environment muscle available equip(-ped) nacessary average equipment neighbour awkward especially nuisance bargain exaggerate occupy bruise excellent occur category existence opportunity committee explanation parliament communicate familiar physical competition forty privilege conscience frequently profession conscious government programme controversy guarantee	

Spellings... I need to know all of these:

Active and Passive

Active: In front of millions of screaming fans, the star striker missed a vital penalty.

Passive: In front of millions of screaming fans, a vital penalty was missed by the star striker.

Check for:

- consistent tense
 - · genre features · layout devices

cohesive links

- subject/verb
- paragraphs with

Splendid Subordination!

Use these conjunctions in varied places in our multi-clause sentences

because before after until unless since when

Writing Mat

Greater Depth Year 6

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Punctuation Reminders:

Α	!	?	•	,	""	()		:	;	-
	U	lse a	full	rang	ge of pu	ınctu	ation.			

Check for:

- · consistent tense and person
- subject/verb agreement paragraphs with
- cohesive links
- · genre features
- layout devices pronouns/ nouns for cohesion

Active and Passive

Use active and passive sentences appropriately:

Active: In front of millions of screaming fans, the star striker missed a vital penalty.

Passive: In front of millions of screaming fans, a vital penalty was missed by the star striker.

Create a Mood!

Where appropriate, in formal writing, use the subjunctive mood:

were The Queen, ...

Were there to be a change in my circumstances.

Splendid Subordination!

Use these conjunctions in varied places in your multi-clause sentences

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before	after	unti
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Use a thesaurus to look for more ambitious synonyms. Why use 'frightened' when you could use..

startled alarmed apprehensive Or 'show' a character's feelings:

his breathing quickened her heart raced sweat trickled gasping for air

Perfect Parenthesis!

Use brackets, commas or dashes to punctuate extra information and asides:

The tomb of Tutankhamen (the Ancient Egyptian pharaoh) was discovered by Howard Carter.

The advancing alien, who was speaking a Martian language, looked dangerous.

The daffodils - my favourite sign of spring - swayed gently in the woodland breeze.

Be a Punctuation Professional!

Use semi colons, colons and dashes to mark independent clauses:

It felt like forever- the longest six weeks holiday of all time.

Jack's eyes slowly opened; there was no one to be seen.

They all knew his secret: he was a specialist secret agent.

Important Links!

Link your sentences and paragraphs using adverbials:

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History

Britain at War

What is war?

War is a period of intentional actions, including armed fighting, between two or more countries or groups to force the enemy adhere to their will.

First World War 1914-1918

August 1914	Britain declares war on Germany
October 1914	First Battle of Ypres
Jan-Feb 1915	Ottoman Empire attacks Suez Canal
February 1915	Gallipoli Campaign begins
May 1915	Italy joins the Allied Powers
Feb-Dec 1916	Battle of Verdun
June-Sept 1916	Brusilov Offensive
July-Nov 1916	Battle of the Somme
April 1917	United States joins the Allied Powers
November 1918	Germany surrenders and the war ends

Causes of the war

- There were several long-term causes of the First World War.
 Countries had previously made alliances because war seemed likely. Britain had signed a treaty to protect Belgium and was allied with France and Russia. Germany. Austria-Hungary and Italy were
- Germany had an imperialist desire to conquer other countries
- Countries including Germany, France, Russia and Britain practised militarism, growing their armies and developing weaponry.
- · Nationalism was widespread in Europe, and the leading powers each believed their country was superior.

The short-term trigger was superior.

The short-term trigger was the assassination of Archduke Franz
Ferdinand by a Serbian Nationalist on 28th June 1914. This resulted in
Austria-Hungary declaring war on Serbia.

Britain needed millions of men to join the army. The government launched a recruitment campaign that enlisted over 2.7 million men during the war. Britain's colonies also sent 2.5 million men to fight. Men joined the army for various reasons, such as wanting to defend their country or succumbing to peer pressure.

Warring nations

warring nations

At the start of the war, the warring nations divided into two opposing groups. The Central Powers (Germany, Austria-Hungary and the Ottoman Empire) were on one side. The Allied Powers (Great Britain, France and Russia) were on the other. The Central Powers were geographically surrounded by the Allied Powers and had to fight on several fronts.



Start of the First World War

Start of the First World War

In August 1914, German troops invaded Belgium. Allied forces pushed
the German army back to north-west France, where both sides dug
defensive trenches. This Western Front stretched from the English
Channel to Switzerland. The German military also fought Russian forces
on the Eastern Front, dividing their troops. With a stalemate in Europe,
the Allies attacked the Ottoman Empire at Gallipoli in April 1915 to
try to take the capital, Constantinople. The Allies were defeated and
suffered heavy casualties.

Trench warfare

On the battlefield, soldiers faced firepower from machine guns and artillery. Both sides dug networks of trenches to escape shells and bullets. Trenches were



rats. Diseases spread quickly, and food was poor. Trench warfare took a considerable toll on soldiers' physical and mental health.

During the First World War, new weapons and technology were

- Nachine guns and heavy artillery bombarded the enemy.

 Armoured tanks countered the firepower of the front line.

 Poisonous gas was used to kill and injure enemy soldiers.

 Planes were mounted with machine guns and used for bombing.

 Warships fought at sea, and radio communication was used.

Life on the home front

Life on the nome front
Life changed for people
in Britain. Food was
scarce. Rationing was
introduced towards the
end of the war, leading



strikes. People were worried about their safety as Zeppelins, and later German Gotha planes, carried out air raids over cities. Women took on roles traditionally done by men, such as working in factories or on the land.

End of the First World War

The First World War ended on 11th November 1918, when Germany surrendered. Several factors brought about the Allied Powers' victory, including the United States declaring war on Germany after German submarines sank American ships. In 1919, the Treaty of Versailles held Germany responsible for the war and ordered Germany to pay vast amounts in reparations. The devastation this caused to Germany played a part in the outbreak of the Second World War.

Second World War 1939-1945

September 1939	Germany invades Poland and Poland surrenders
April 1940	Germany invades neutral Norway
May 1940	Germany takes control of Luxembourg, Belgium and the Netherlands
May-June 1940	Germany invades France and Operation Dynamo rescues Allied soldiers from Dunkirk
June 1940	France surrenders to Germany
July-Oct 1940	Battle of Britain
December 1941	Japan attacks Pearl Harbor and the United States enters the war
July 1943	Allied forces invade Italy and Italy later surrenders
June 1944	D-Day
May 1945	Germany surrenders (VE Day)
Aug-Sept 1945	The United States drops atomic bombs on Japan, Japan surrenders and the war ends

Causes of the war



declared war on Germany.

Warring nations

The major nations involved in the Second World War were the Axis Powers (Germany, Italy and Japan) and the Allied Powers (Great Britain, the Soviet Union and the United States). Germany was led by the fascist dictator Adolf Hitler, who wanted to expand German territory and create a pure German race. At the start of the war, Britain's prime minister was Neville Chamberlain. Winston Churchill replaced him in May 1940.



Preparation for war

Britain had learned lessons from the First World War. Barrage balloons were placed over London to stop low-flying bombers. Gas masks were issued to the civilian population, and bomb shelters were built. Blackouts were compulsory, and children were evacuated from cities. Conscription was introduced to increase numbers in the army. Food rationing began and ration cards were issued.

Weapons and technology

The Second World War was the most technologically advanced war in history, with many new weapons and technological innovations.

- Radar used radio waves to detect enemy positions.
- Codebreakers developed machines to intercept and decode enemy
- The bouncing bomb was used to destroy German dams German engineers made rocket missiles that damaged British cities.
- A new lightweight fighter plane, the Supermarine Spitfire, was
- The United States used the atomic bomb on Japan

The Battle of Britain took Britain from July to October 1940. Adolf Hitler



Civilian life

Civilians in Britain had to cope with frightening air raids and bombing in cities. Finding their way during the blackout was difficult and dangerous. Children were separated from their families in the evacuation, and many women joined the Women's Land Army or worked in factories. Rationing became normal, and people found ingenious ways to make food and clothing last longer.

End of the Second World War

End of the Second World War

The Second World War ended on 2nd September 1945, when Japan
formally surrendered. Many factors brought about the end of the war.
The Allied Powers' D-Day invasion, on 6th June 1944, resulted in Allied
troops liberating Paris and Brussels. The Battle of the Bulge failed to
break the Allied line. Adolf Hitler realised Germany had lost the war
and committed suicide on 30th April 1945. The war against Japan
ended after the United States dropped atomic bombs on the Japanese
cities of Hiroshima and Nagasaki.

RIGHT WOTILE

After the Second World War, the Allied Powers split Germany into
West and East Germany, International agreements were signed to ban
chemical weapons, torture and genocide. The Universal Declaration of
Human Rights was approved, which still forms the basis of internationa
human rights law. The welfare state and National Health Service were
created in Britain. Many of the war's technological innovations were
redeveloped for civilians.

Remembrance

Remembrance is the act of remembering and honouring the people who died as a result of conflict. The poppy is a symbol of remembrance after poppies grew on the Western Front battlefields. Memorials, nonuments and war cemeteries



all serve to remind us of the sacrifice made by millions of people

Glossarv

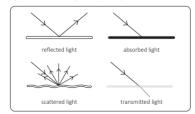
Giossai y	
alliance	A group of countries who have agreed to work together because of shared aims.
appeasement	Giving the opposing side something they have demanded to prevent further disagreement.
colony	A nation controlled by another country.
conscription	Forcing people by law to join the armed services.
imperialist	A supporter of a system in which a country rules another country, sometimes having used force to gain control.
genocide	The deliberate killing of large numbers of people from a particular nation or ethnic group, with the aim of destroying that nation or group.
militarism	The belief that it is necessary to have strong armed forces to win political or economic advantages.
reparation	Payment for harm or damage.
stalemate	A situation in which neither side can get an advantage, and no action can be taken.

Science

Light Theory

Light sources

A light source is something that produces light. This can be a natural as source, such as the Sun or a glow-worm, or an artificial source, such as a light bulb or candle. Most objects do not produce light. Instead, they either reflect, absorb or scatter the light given out by a light source. Light can also travel through transparent objects.

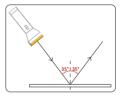


How does light travel?

Light is a form of energy that travels as waves in straight lines. In diagrams, light waves are drawn as straight lines with arrowheads that show the direction of travel.

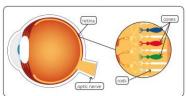


Light continues to travel when it is reflected off the surface of an object. When light hits a mirror, it reflects off the surface in a straight line. All mirrors reflect light at an angle equal to the angle of impact.



Perceiving colour

Light enters our eyes through the pupil and is focused onto light-sensitive cells called rods and cones that cover the retina at the back of the eye. Rods help us to see light and dark and cones help us to see different colours. Once the cone cells have been stimulated, a signal is sent to the brain through the optic nerve. The brain interprets the signal as a particular colour, giving us colour vision.



Red, green and blue are the primary colours of light. When the red and green cones in our yess are stimulated, we perceive a yellow colour. When the blue and green cones are stimulated, we perceive a cyan colour. When the red and blue cones are stimulated, we perceive a cyan colour. When the red and blue cones are stimulated, we perceive a magenta colour. If the red, green and blue cones are all stimulated, we see white.



Shadows

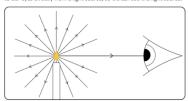
Shadows form when an object blocks the passage of light, leaving an area of darkness. The size and length of an object's shadow can vary depending on the position of the light source.



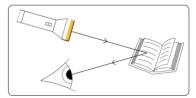


Light and sight

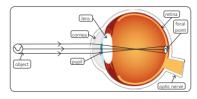
For us to see any object, light must enter our eyes. Light rays can travel to our eyes directly from a light source, so we can see the light source.



Light can also travel to our eyes after it has been scattered or reflected. In this diagram, light from the torch travels to the book and is then reflected from the book into the person's eye.



Light rays reach the eye and travel through the cornea before entering the eye through the pupil. The lens focuses the light onto the back of the eye, called the retina. The retina turns this light information into electrical signals, which travel through the optic nerve to the brain, where the signals are 'seen' as an image. Without light, we cannot see.



Reflection in different mirrors

There are three main types of mirror: plane, concave and convex. A plane mirror has a flat reflective surface, so perpendicular light rays are reflected back along the same path. This means the reflected image is the same size and the same way up as the object, but the image is reversed.





The surface of a concave mirror curves inwards, so light rays are reflected inwards to a focal point. Images appear larger and brighter in a concave mirror, but they reflect a narrower view. Dental mirrors and torches use concave mirrors.



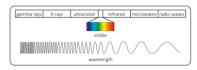


The surface of a convex mirror curves outwards, so light rays are reflected outwards and dispersed. Convex mirrors make images smaller, but they reflect a wider view. Shop security mirrors and car wing mirrors are convex.





Electromagnetic spectrum



The electromagnetic spectrum shows all the different types of light, from gamma rays with waves that are close together, to radio waves with waves that are far apart. Visible, or white light is the only light the human eye can see and is only a small part of the electromagnetic spectrum.

Visible light

Visible light is made up of a continuous spectrum of different colours of light, from violet to red. All the colours of light mix together to create white light.



The way objects reflect or absorb light determines their colour.

Some objects reflect all the colours of light, so we see those as white.



Other objects absorb some of the colours in white light, but some colours are reflected. We see these objects as the coloured light that is reflected.

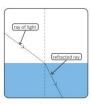


Black objects absorb all the colours of white light.



Refraction

Refraction is the change in direction of light as it passes from one transparent material to another. This diagram shows a light ray travelling in a straight line through the air, then hitting the surface of the water. Water is denser than air because water is a liquid and air is a gas, so the light slows down and changes direction



When white light travels through a triangular prism, light is refracted twice. This, along with the prism's angled edges, splits white light into a spectrum of colours from red to violet.





Refraction creates different phenomena on Earth. For example, light refracted by raindrops creates a rainbow. Light refracted by a glass of water can make a straw look bent or disjointed.





Glossary

absorb	The ability to soak something up, such as a liquid or light.
reflect	To bounce off a surface.
scatter	To move apart in different directions.
spectrum	A band of colours produced when white light is separated.
vi <mark>s</mark> ible <mark>l</mark> ight	The part of the electromagnetic spectrum that the human eye can see, also known as white light.

Home Learning

Children to use the knowledge organisers provided to help them further their learning.

Create a fact file about Winston Churchill.

Why did both wars start?

Which countries were involved?

Design and create an underground shelter.

Useful Links:

RAF Museum Midlands, Lysander Avenue, Cosford, TF11 8UP

10.00am - 5.00pm

World War One - Year 6 History - BBC Bitesize

World War 1 facts for kids | National Geographic Kids (natgeokids.com)

World War 2 facts for kids | National Geographic Kids (natgeokids.com)