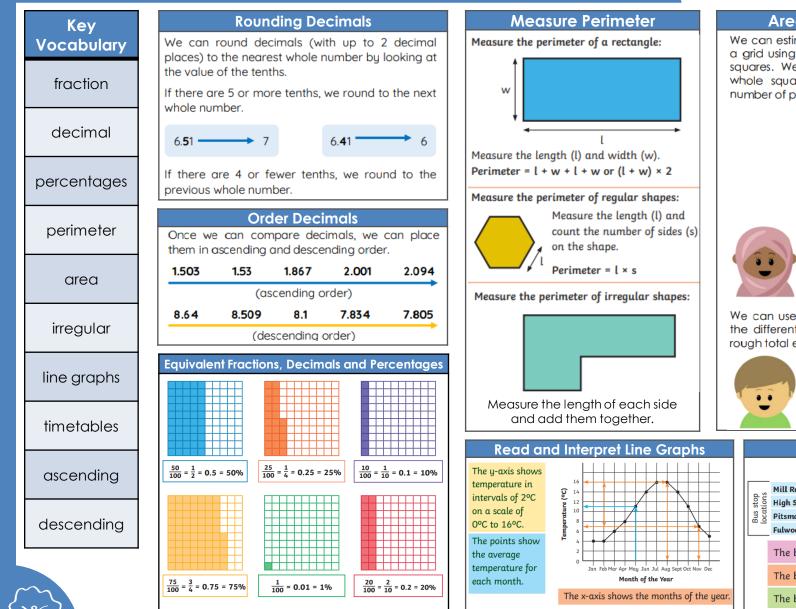
Year 5 Maths Knowledge Organiser - Spring 2



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Area of Irregular Shapes

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We can estimate the area of irregular shapes on a grid using our Year 4 knowledge of counting squares. We need to look at the number of whole squares which are covered, and the number of part-covered squares.



I can see 3 fully covered squares and 16 partcovered squares.

We can use our knowledge of fractions to add the different part-covered squares to create a rough total estimate.



The area of the irregular shape is approximately 10cm².

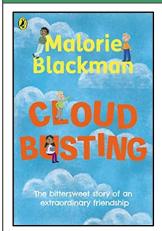
phs		Timetables						
+++-		Three different buses						
			Mill Road	0726		0842		
	stop	Bus stop locations	High Street	0729	0803			
	ll sug	ocat	Pitsmoor Road	0759	0833			
			Fulwood	0845	0919	0946		
			The bus starts at this time and location.					
t Oct Nov Dec			The bus does not stop here.					
s of the year.		The bus terminates at this time and location.						

Year 5 English Knowledge Organiser - Spring 2

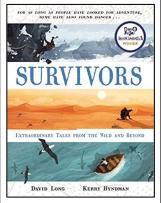


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Core Texts



Cloud Busting Malorie Blackman



Survivors David Long

Features of a Poetic Narrative

The story is told through different poetic forms, each matching the differing mood and tone of each chapter.

- The majority of the story is told using free-flow, fluid poetry to sustain the plot, but different poetic structures, such as limerick, haiku, and shape poetry are used to explore the impact of layout, rhythm and rhyme.
- Imagery is used throughout the narrative to paint vivid images for the reader. Alongside other figurative language devices, such as metaphor, simile and personification, synaesthesia is used to engage all the senses and to show how characters see the world differently.
- Repetition is used as a powerful tool to emphasise key messages in the story and to build rhythm.
- Alliteration, assonance and onomatopoeia are used to engage the audience's ear and focus their attention on particular sections of text.

Features of Biographies

As **biographical recounts**, the stories within the book are written to both **entertain** and **inform** the reader.

In line with the **dual purpose**, each story contains both detailed facts, including dates, examples and explanations, as well as the thoughts and feelings of the people involved.

Each recount begins with an introduction to explain the context and background of the survival story. The events of the story itself are mostly written **chronologically**. A concluding section details the survivor's life after the significant event(s) occurred.

The main body of the text is written using **past tense verb forms**. Progressive and perfect forms are used to indicate ongoing actions, and to draw attention to consequences respectively. Material is organised chronologically and broken into paragraphs around a theme, making it easier for the reader to access. New paragraphs mark a shift in time, place or subject.

A range of devices are used to create **cohesion** within and across paragraphs:

e.g.

-adverbials signpost and guide the reader through the text -pronouns/ synonyms/ references relate back to previous parts of the text -conjunctions link ideas within and across sentences.

Relative clauses (using the relative pronouns who, that, which, when, whose) give the reader further detail about people, places and things.

Brackets, dashes and commas are used to create **parenthesis**, adding additional information, explanation or afterthought to a sentence without affecting its sense or meaning.

Year 5 Science Knowledge Organiser - Spring 2



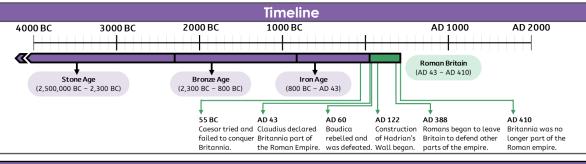
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	Key Vocabulary		As we age, our skin loses its elasticity			
	adolescence	the time between approximately 10 – 20 years old	and becomes thinner and more fragile, causing wrinkles. Bones lose their density and strength so become more prone to			
	adulthoodthe time between approximately 20 - 65 years oldchildhoodthe time between approximately 3 - 10 years oldembryoan unborn baby that is under 8 weeks old		fractures. Joints become stiff and less flexible. The metabolism also slows			
			of changes to the nerves in our ears.			
			Adults can reproduce, and their offspring			
	fertilisation (conception)	when the egg and sperm fuse (join)	continue the life cycle. 🔗 👷 🖍 old age			
	foetus	an unborn baby that is over 8 weeks old	adulthood are classed The foetus At birth, a baby is born and will grow			
	gestation period	the time the offspring grows inside the womb (the length of the pregnancy)	During early adulthood adult HUMAN to child begins to child begins to			
	infancy	the time between birth to approximately 2 years old.	the body is at its physical peak. Life Cycle baby baby bigger. Children start to walk at			
	IVF	a type of assisted reproduction where a female egg is fertilised outside the body and the embryo formed is transferred back into the female.	Puberty occurs during adolescence and is a Puberty occurs during			
	puberty	the process where a child's body changes to the adult body and reaches sexual maturity	period of time when the adolescent children develop their more advanced of the speech and their language they get olde			
	sperm	a male sex cell	produce sperm and females between the ages of 3 and			
 	uterus	the organ in which offspring are conceived and grow before they are born	begin to menstruate. 10 At around 6 years old, children will begin to lose their milk teeth and their permanent teeth with erupt.			
	Ŷ					

Year 5 History Knowledge Organiser - Spring 2



Key Vocabulary				
Britannia	the Roman name for its territories in Britain.			
conquer	to take control of a place by force.			
delegate	to give someone more junior the responsibility for something.			
economic	relating to money.			
fortress	a defensive and fortified structure, usually housing legionaries.			
informal	casual or unofficial.			
institutional	relating to an organisation or official structure.			
intellectual	relating to the mind, knowledge or intelligence.			
governor	a person appointed to govern a province.			
literate	able to read and write.			
province	a smaller part of the Roman empire, which was ruled by the governor who also collected taxes.			
tax	money that is collected by governments to pay for the things that the government does.			



Roman Conquest

- Caesar tried to conquer Britain in 55 BC. His ships did not land at Britain and, to save face, he tried again the next year (54 BC). This was more successful, but his victory was quickly forgotten by Britons because he had to leave to fight elsewhere in the empire.
- Claudius successfully invaded in AD 43. He and his soldiers stayed in Britannia for longer and so kept control where Caesar had failed.

Keeping Control

- Britannia was hard to control because it was far away from Rome, one of many borders that Romans had to control, and because lots of tribes of Britons did not want to be controlled!
- The Romans kept control using different types of power:



• **Physical** – the Romans stations auxiliary soldiers like the Aurelian Moors in Britannia and built fortresses and Hadrian's Wall to defend it.



• **Economic** – the Roman governor and local leaders collected taxes to send to the emperor. This could pay for the soldiers, fortresses and wall.



. .

- Informal The Romans brought some new things to Britain, and this combined with what Britons were doing to create a shared culture between some Romans and Britons.
- .
- Intellectual more Romans could read and write, which meant they controlled what was said, shared and left behind about the Romans and Britons.