

# Year 6 Knowledge Map – Advent 1

## Maths

# 2024

Keep practicing using these mental strategies

### Base Facts

$$70 \times 80 = 5600$$

$$(7 \times 8 = 56)$$

### Doubling and Halving

$$18 \times 3 = 54$$

$$(9 \times 6 = 54)$$

### Place Value

$$0.008 + 1.23 = 1.238$$

$$9,000,341 - 1000 = 8,999,341$$

$$4.123 \div 100 = 0.04123$$

### One/Zero Effect

$$320 \times 0 = 0$$

$$475 \div 1 = 475$$



Keep practicing your times tables. Why not try playing Hit the Button? How fast can you complete the times tables? Scan the QR code to play.

### Regrouping

$$14 - 7.01 =$$

$$14 - 7 = 7$$

$$7 - 0.1 = 6.9$$

### Equal Sum for Addition

$$1999 + 457 =$$

$$2000 + 456 = 2456$$

### Equal Difference for Subtraction

$$1943 - 988 =$$

$$1945 - 1000 = 945$$

H	T	O	Tth	HTh	Thth
		5	4	2	

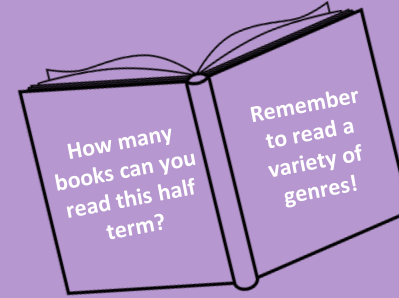
$$5.42 \times 10 = 54.2$$

We move the numbers one place to the left.

$$5.42 \div 100 = 0.0542$$

We move the numbers TWO places to the right.

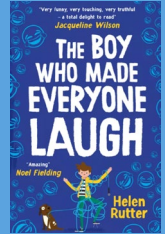
## English



Use these games to practice your spellings.

During our first two weeks in our English lessons we have been focusing on Hermelin, 'The Detective Mouse' by Mini Grey. This half term we will be concentrating on writing to entertain, focusing on dialogue to convey characters thoughts and feelings and the 'past perfect' tense to create a narrative peace of writing. Pupils will also explore how to effectively describe settings, characters and atmosphere in their own narratives. Skills will also be explicitly taught to allow pupils to evaluate and edit by proposing changes to vocabulary, grammar and punctuation.

Our class novel is ...  
St Kizito      St Francis



Can you find out what inspired the author to write 'Onyeka and The Academy of The Sun'?

Can you find out what inspired the author to write 'The Boy Who Made Everyone Laugh'?

Learn these spellings and try to include them in your written work

appear	believe	certain
different	enough	favourite
group	heard	interest
material	occasionally	particular
separate	although	thought

## RSE

In RSE we will be learning about physical changes to girls and boys during puberty and how to look after our bodies. We will also be looking at how to keep ourselves safe online and looking at the difference between harmful and harmless videos and images.

## RE

God's love is unconditional and eternal. It is in the love of a family that Christians first experience the reality of Church. Everyone begins life in a home, family or community of some kind.

Do you have to earn love?



back2school prayer

Dear Lord, use my eyes to see new friends.

Open my ears to hear my teacher.

Open my mind to learn new things.

Let my heart remember YOU are near when I'm afraid.

Help me to love others like you do.

I want to shine your light so bright in my school.

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# Year 6 Knowledge Map – Advent 1

## Science

### Evolution and Inheritance











Animals and plants produce offspring that are similar but not identical to them.

In the same way that there is variation between parents and their offspring, you can see variation within any species, even plants.

Adaptive traits are characteristics that are influenced by the environment the living thing lives in.

Inherited traits are inherited from the biological parents and include things like eye colour, hair colour and the shape of your earlobes.

Living Things	Habitat	Adaptive Traits
polar bear 	arctic 	Its white fur enables it to camouflage in the snow.
camel 	desert 	It has wide feet to make it easier to walk in the sand.
cactus 	desert 	It stores water in its stem.
toucan 	rainforest 	Its narrow tongue allows it to eat small fruit and insects.

Key Vocabulary	
Offspring	The young animal or plant that is produced by the reproduction of that species.
Inheritance	This is when characteristics are passed on to offspring from their parents.
Variations	The differences between individuals within a species.
Characteristics	The distinguishing features or qualities that are specific to a species.
Adaptation	An adaptation is a trait (or characteristic) changing to increase a living thing's chances of surviving and reproducing.
Evolution	Adaptation over a very long time.

## Y6 Residential Trip

Year 6 will be embarking on a residential trip to PGL, where they will take part in a variety of activities which will help further their independence and celebrate the end of their primary education. This will take part on Wednesday 4th June – Friday 6th June.

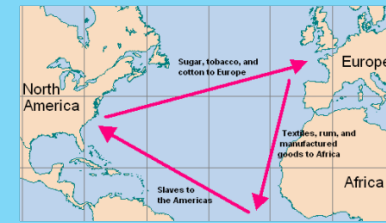
## Art

### Maria Sibylla Merian

Maria Sibylla Merian (April 2, 1647 – January 13, 1717) was a naturalist and scientific illustrator who studied plants and insects and painted them in great detail. At first, Merian was a botanic artist - someone who drew realistic and detailed pictures of plants. Afterward she studied insects, keeping her own live specimens. She made detailed, scientific drawings showing insect metamorphosis, in which all life stages of the insect were shown in the same drawing.



## History



### Freedom

Between the 16th and 19<sup>th</sup> centuries, European merchants transported an estimated 12.5 million Africans across the Atlantic to work in slavery in the Americas. This was known as the Transatlantic Slave Trade.

1562: Sir John Hawkins was given permission by Elizabeth I to begin transporting captured African slaves to America. There they were sold. He is called the “father of the slave trade”.

1789: Olaudah Equiano published autobiography.

1807: The Slave Trade was abolished in England.

1833 : Slavery was abolished in the British Empire.

1960s: Black Americans still do not have equality with white Americans. Martin Luther King campaigned to change this.

2009: Barack Obama was elected as the first African American to be elected President of America

2012: Malala Yousafzai was shot on a bus on her way home after taking an exam.

Key Vocabulary	
Enslaved person	Someone who has been made a slave. A person who is owned by another person and forced to work without pay.
Abolish/Abolition	To stop something happening by making it illegal.
The Transatlantic Slave Trade (Trade Triangle)	A three stage voyage. Britain to West Africa, West Africa to the West Indies, West Indies to Britain.
The Middle Passage	The second voyage of the Transatlantic slave trade where enslaved Africans were taken to the West Indies and Americas to be sold.

## PE

On Thursdays , come to school dressed in your PE kit. Please wear black joggers, maroon PE shorts and a white T-shirt.