

# Year 6 Knowledge Map – Lent 2

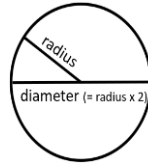
## Maths

### Shape vocabulary

**perimeter** = measure around the edge (**circumference** = perimeter of a circle)

horizontal line

parallel lines



vertical line

perpendicular lines  
(at right angles)

### Order of Operations

**Brackets**  
 $4 \times (3 + 7)$   
Brackets always come first. They can change answers when moved around.

**Indices**  
 $3 \times 7^2$   
Indices refers to the little floating number and means how many times to multiply by itself.

**Division**  
 $12 \div 2 + 7$   
Division and multiplication work together.

**Multiplication**  
 $73 - 12 \times 4$   
If a calculation is just multiplications and divisions then go from left to right.

**Addition**  
 $12 + 3 - 7$   
Addition and subtraction work together.

**Subtraction**  
 $12 - 3 + 7$   
If a calculation is just addition and subtraction then go from left to right.

## English

Don't forget about our bookworm reading challenge. Can you read 40 books by the end of year 6?



### Reading Vipers

Vocabulary  
Infer  
Predict  
Explain  
Retrieve  
Sequence or Summarise



### Using punctuation to separate clauses

Semi Colons (;), colons (:) and dashes (-) can be used to separate the boundary between two clauses.

#### Description: detail sentences.

**Bats are excellent hunters: they track small insects using echo-location.**

The first section describes the subject and the second adds extra detail.

A **semi colon** can be used in place of a conjunction where we want the writing to flow where the clauses are closely related.

**We lost the ball too many times and we lost the game**

Becomes:

**We lost the ball too many times; we lost the game.**

A **dash** is often best used to summarise:

**The use of nuclear weapons during World War 2 is much debated and discussed—in short it was a divisive event.**

## Multiplying Fractions

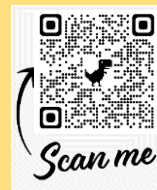
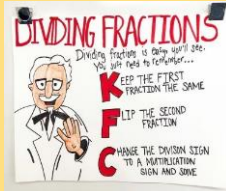
Multiply the numerators and then the denominators to find the answer

$$\frac{2}{3} \times \frac{1}{7} = \frac{2}{21}$$

(2x1) / (3x7)

$$\frac{3}{7} \times 2 = \frac{6}{7}$$

(3x2) / (7x1)



## Dividing Fractions

KFC!

Keep the first fraction the same, flip the second and change the x to ÷.

$$\frac{4}{5} \div \frac{1}{3} = \frac{4}{5} \times \frac{3}{1} = \frac{12}{5} = 2\frac{2}{5}$$

Keep Change Flip

$$\frac{2}{7} \div 3 = \frac{2}{7} \times \frac{1}{3} = \frac{2}{21}$$

Keep Change Flip

## Lenten Prayer

For forty days of Lent  
To do my best I'll try  
I'll remember all your suffered, Lord  
And on the cross you died.  
I thank you that on Easter  
Day  
You rose and came alive  
Be with me Lord  
throughout this Lent  
Be with me as I strive.  
Be with me as I promise  
To do some good each day  
To keep my resolution  
Please help me Lord, I  
pray.

### Using hyphens

Hyphens are used to avoid confusion being caused by certain words or phrase.

Man eating shark



Man-eating shark



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

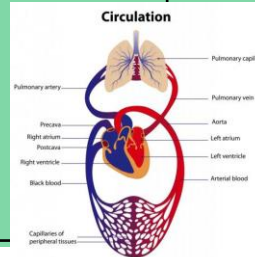
amateur	category	correspond
environment	frequently	language
occur	queue	signature
twelfth	ancient	criticise
equipped	government	opportunity

# Year 6 Knowledge Map – Lent 2

## Science

### Animals including humans

<b>What is the circulatory system?</b>	The circulatory system is made of the heart, lungs and the blood vessels. Arteries carry oxygenated blood from the heart to the rest of the body. Veins carry deoxygenated blood from the body to the heart. Nutrients, oxygen and carbon dioxide are exchanged via the capillaries.
<b>Choices that can harm the circulatory system</b>	Some choices, such as smoking and drinking alcohol can be harmful. Tobacco can cause short term effects such as shortness of breath, difficulty sleeping and loss of taste and long-term effects such as lung disease, cancer and death. Alcohol can cause short term effects such as addiction and loss of control and long-term effects such as organ damage, cancer and death.
<b>Why is exercise so important?</b>	Exercise can: Tone our muscles and reduce fat Increase fitness Make you feel physically and mentally healthier Strengthens the heart Improves lung function Improves skin



## PHSE- Me, My body, My health

Human bodies will, and emotions may, change as they approach and move through puberty. There are lots of different types of relationships between people. Relationships can shape our sense of belonging; our feelings of identity and purpose; our self-esteem and our overall wellbeing. Positive and healthy relationships means we know how to show respect, care and consideration.

## RE

### Death and New Life

For Christians, it is through the life, death and resurrection of Jesus that new life begins. He reveals the way to eternal life for us and so a new life begins here and now, a life which will culminate in future glory. The Lenten journey is one which takes us to the glory of Easter Sunday, from death to new life.

## Geography

### Biomes of the World

A large ecosystem is called a biome. A biome contains particular plant and animal groups, which are adapted to that particular environment.



<b>Savannah</b>	Within the tropics, hot with a wet and dry season. Mainly grass and a few specially adapted trees.
<b>Desert</b>	Can be hot or cold. Limited plants.
<b>Deciduous forest</b>	Cool summers and mild winters, rain throughout the year. Rich deciduous woodland.
<b>Temperate grassland</b>	Warm summer and very cold winter, quite low rainfall. Mainly grassland vegetation.
<b>Tropical rainforest</b>	Hot and wet all year. Rich in plants and animals.
<b>Tundra</b>	Below freezing for most of the year. Ground permanently frozen.
<b>Taiga</b>	Long, cold winters and short, mild summers. Limited rainfall.

## DT- Bird houses

What kind of Bird houses  
Have you seen in your garden? How are they attached and what kind of bird might live in it ?



## PE

On Wednesdays, please bring in your PE kit. Your white t-shirt, green shorts or black jogging bottoms and trainers.