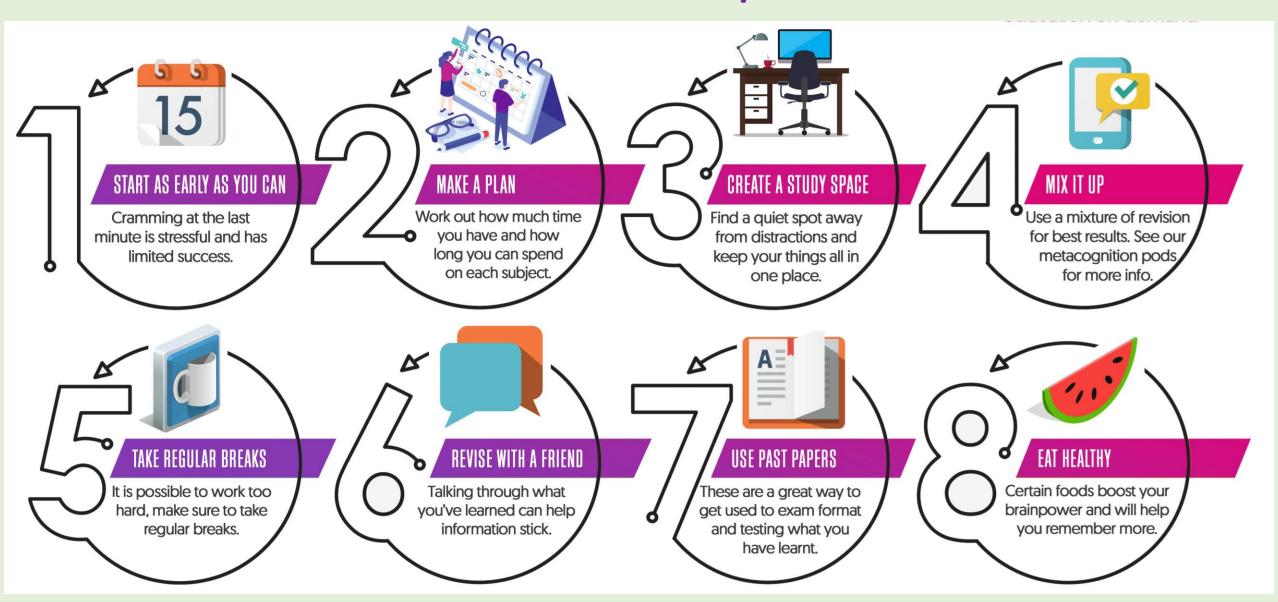


Revision Tips

- Start revising early
- Plan your revision using a revision timetable
- Don't spend ages making your notes look pretty
- Have a dedicated study space
- Use a variety of different revision methods
- Use past papers
- Revise in short bursts with a break in between
- Sleep and eat properly



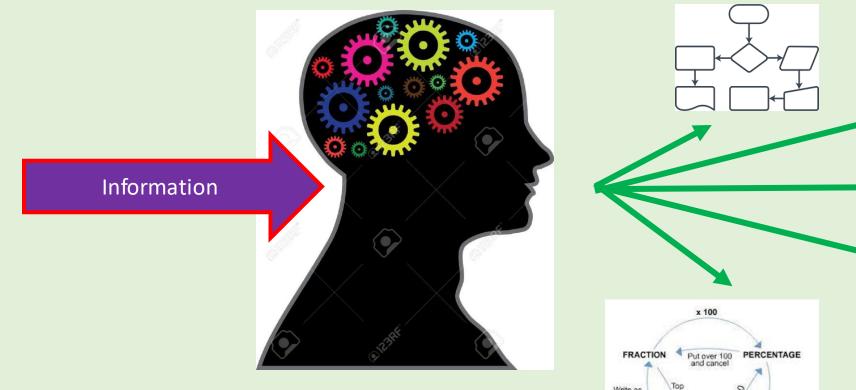
Revision Tips

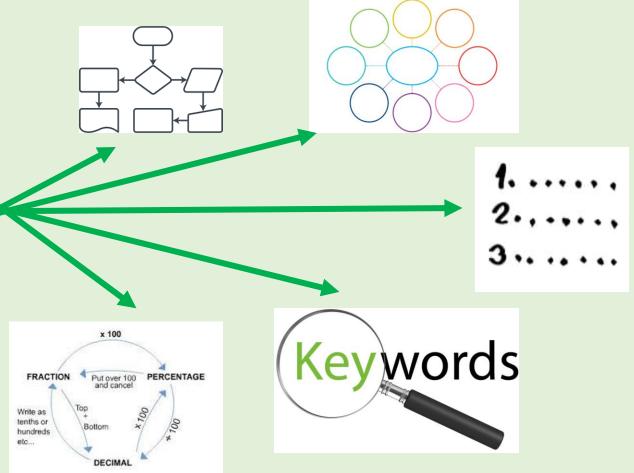


	Lesson 6	4-5pm	5-6pm	6-7pm	7-8pm	8-9pm	Notes
MONDAY	Maths						
TUESDAY	English						
WEDNESDAY	Science						
THURSDAY	RE/Spanish						
FRIDAY							
							Notes
SATURDAY							
SUNDAY							

How to Revise

Reading notes is the most basic form of revision, but to really know your stuff your brain has to PROCESS the information you are reading and spit it out in a different format.

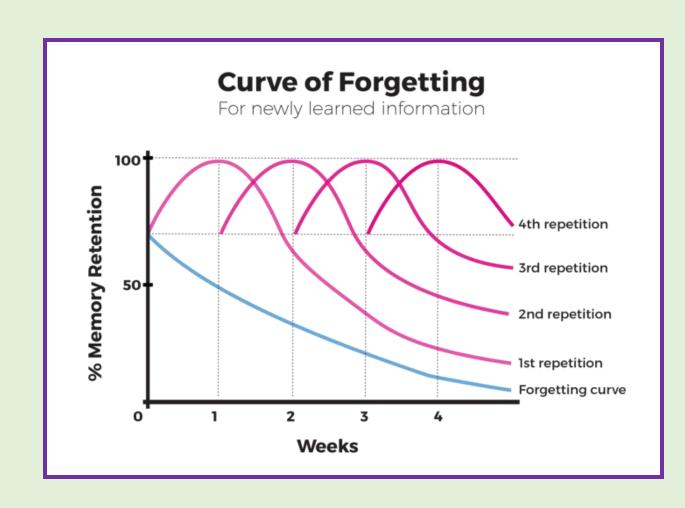


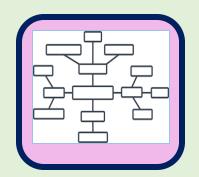




After each revision session

- 10 minutes later revise the topic for 10 minutes
- 1 day later revise the topic for 5 minutes
- 1 week later revise the topic for 2-5 minutes
- 1 month later revise the topic for 2-5 minutes
- Before exams revise the topic as required.
- Each time knowledge is reinforced; it enters deeper into the long-term memory and becomes more stable.





Revision Activities

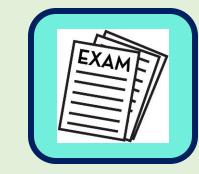


- Mind-maps
- Key words post-its
- Flash Cards
- Videos/Podcasts
- Family and Friends Test
- Past Papers and Mark Scheme



- Song/Chant
- Online resources
- Mnemonics
- Write your own Qs
- Minimize









In summary

- ✓ There are many ways to revise some better than others!
- ✓ Revision isn't a 1 off event it takes months to learn the content of your courses.
- ✓ A timetable will help you do this.

✓ You need to try many different ways until you find the one's that work for you and your subjects

✓ Doing nothing will result in poor results





GCSE Science



Minimizing

- Pick out the key information
 - Remember to use key words
- Condense as much as possible
 - Can you save space by replacing words with symbols or using a diagram?
 - What about arranging information into bullet points or into a table?

Malaria

Malaria is spread by mosquitos which carry the Plasmodium protist. These are often found in areas with higher temperatures like Africa, Asia, and South and Central America, but not the UK. Mosquitos suck blood containing the protists from an infected person. They pass the protist, to other people they suck blood from. The mosquitos do not become ill and are called 'vectors' because they transmit the disease.

The symptoms of malaria include a fever, sweats and chills, headaches, vomiting and diarrhoea. Of the 200 million people infected each year, up to half die from this disease. There is no vaccination for malaria. Infection can only be prevented by stopping individuals from being bitten. People sleep under mosquito nets and wear insect repellent to avoid bites. Antimalarial drugs are also taken, which treat the symptoms and can prevent infection.



Measles

Measles is a very infectious viral disease that is often caught by young children. It is transmitted through the air in tiny droplets after an infected person sneezes. It causes a fever and skin rash. Many children in developed countries are given vaccines against measles, but sadly this is not the case throughout the world. Infection can cause more serious effects like infertility in adults who did not catch the disease as children.

Measles

Pathogen – virus

Transmission – droplets

Symptoms – fever/rash

Prevention - vaccination

Malaria

Malaria is spread by mosquitos which carry the Plasmodium protist. These are often found in areas with higher temperatures like Africa, Asia, and South and Central America, but not the UK. Mosquitos suck blood containing the protists from an infected person. They pass the protist, to other people they suck blood

from. The mosquitos do not become ill and are called 'vectors' because th The symptoms of m chills, headaches, vo million people infect this disease. There i Infection can only be

'vectors' because th	Name	Pathogen	Transmission	
The symptoms of machills, headaches, vo	Measles	Virus	Droplets	
this disease. There is Infection can only be from being bitten. Pe	Malaria	Protist	Vector - mosquitos	
and wear insect repellent to avoid bites. Antimalarial drugs are also taken, which treat the symptoms and can				

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Measles

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Symptoms	Prevention	untr
Fever Rash	Vaccination	, but Infe lity i
Fever Vomiting/ diarrhoea	Mosquito nets / Anti-malaria drugs	n.

ries are t sadly this is not ection can cause in adults who did





The Particle Model



- The particle model is a scientific theory which explains the properties of solids, liquids and gases by looking at how the particles behave in each state.
- The particles in a solid are close together in a regular pattern with a high density. The particles vibrate around a fixed position and cannot move around because there are strong attractive forces holding them together. This is the reason they have a fixed shape and a fixed volume. The particles have a low kinetic energy.
- In a liquid, the particles are close together in a random arrangement and are able to move around freely. The density of a liquid is a little less than a solid but the particles have more kinetic energy. Liquids have a fixed volume but do not have a fixed shape, which is why they can be poured.
- In a gas, the particles move randomly. They are far apart because there are no attractive forces holding them together, this is the reason they have no fixed volume and will fill their container. The particles in a gas have a high kinetic energy and a low density.
- Solids can melt into liquids when they are heated and their particles gain energy. The attractive
 forces become weaker allowing the particles to move around freely. If the liquid continues to be
 heated then it can evaporate into a gas by removing all of the attractive forces and giving the
 particles lots more kinetic energy.

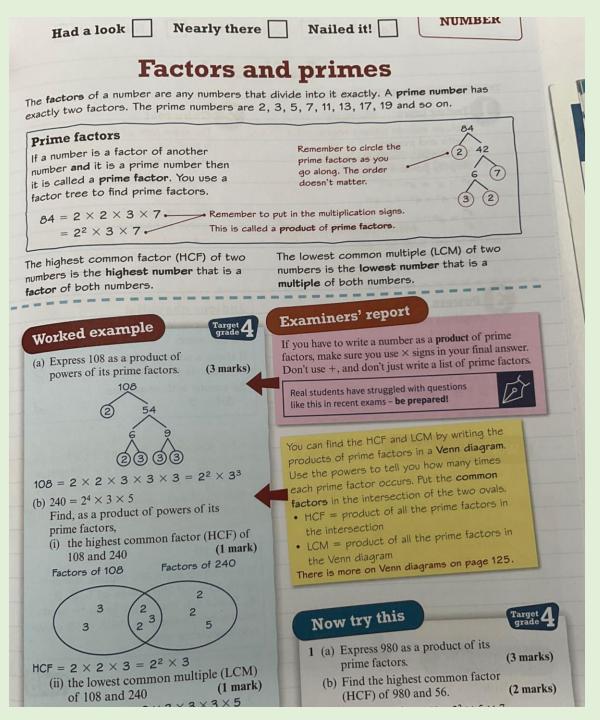
	Solid	Liquid	Gas	
Particle arrangement				
	Closely packed, high densityRegular pattern	 Random Closely packed, high density (slightly less than solid) 	RandomFar apart, low density	
Movement/ Forces	 Strong attractive forces Vibrate about a fixed position so Fixed shape and volume 	 Strong attractive forces but Can move freely No fixed shape but fixed volume 	 Weak attractive forces Can move freely No fixed shape or volume 	
Energy	Low Kinetic Energy		High Kinetic Energy	

GCSE Maths



Highlighting

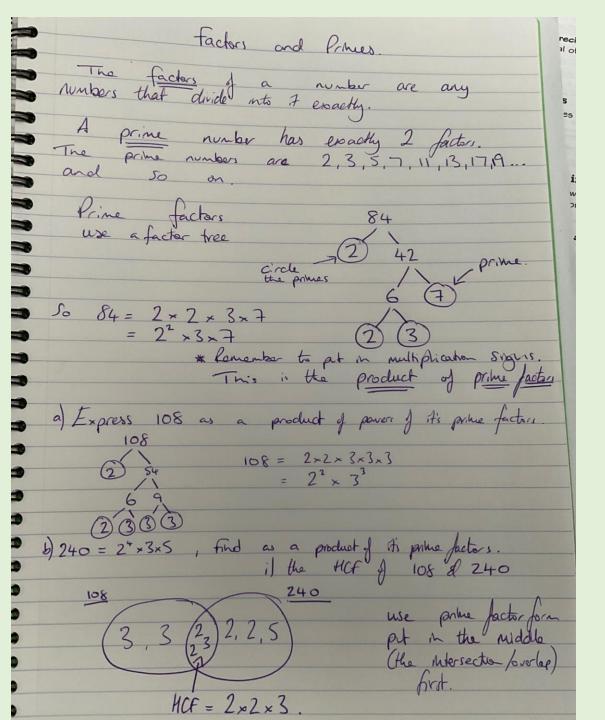
- Pick out the key information
 - Highlight the key words or key themes
- Follow up
 - Highlight any words/themes you do not understand
 - Find a teacher/ friend to go over anything you don't understand
- Repeat these steps



Effective use of your revision guides



- Page 1 of the Higher revision guide has the same content as page 12 in the foundation book
- At the top of the page is the "had a look" boxes
- I have made notes on the page and then I will tick the first box.
- After a little break I will then go back to my notes and use them to try and answer the questions using the worked example to help me start.



The notes at the top of the page contain key information



- I have underlined the keywords that are in bold in the book.
- As I read through my notes for the second time, I may then get a highlighter and highlight any words I am unsure of.
- I will then bring this to school and ask my Maths teacher.



Highlighting



	TU
TTA/IH	LA
NUMB	-

Had a look Nearly there

Nailed it!

Indices 1

The index laws tell you how to work with powers of numbers.

Index laws

Indices include square roots, cube roots and powers. You can use the index laws to simplify powers and roots.

$$a^{m} \times a^{n} = a^{m+n}$$

 $4^{3} \times 4^{7} = 4^{3+7} = 4^{10}$

$$\frac{a^m}{a^n}=a^{m-n}$$

$$12^8 \div 12^3 = 12^{8-3} = 12^5$$

$$(a^m)^n = a^{mn}$$

 $(7^3)^5 = 7^3 \times 5 = 7^{15}$

Cube root

The cube root of a positive number

$$4 \times 4 \times 4 = 64$$

$$4^3 = 64$$

$$\sqrt[3]{64} = 4$$

The cube root of a negative number is negative.

$$-4 \times -4 \times -4 = -64$$

$$(-4)^3 = -64$$

$$\sqrt[3]{-64} = -4$$

Powers of 0 and 1

Anything raised to the power O is equal to 1.

$$6^{\circ} = 1$$
 $1^{\circ} = 1$ $7223^{\circ} = 1$ $(-5)^{\circ} = 1$

Anything raised to the power 1 is equal to itself.

$$8^1 = 8$$
 $499^1 = 499$ $(-3)^1 = -3$

Indices checklist

The base numbers have to be the same.

If there's no index, the number has the power 1

Be careful with negatives:

$$(-3)^2 = 9$$



Ø



Worked example

(a) Write $6 \times 6 \times 6 \times 6 \times 6$ as a single (1 mark) power of 6.

Target 5

(1 mark)

$$6 \times 6 \times 6 \times 6 \times 6 = 6^5$$

(b) Simplify $\frac{3^8 \times 3}{3^4}$ fully, leaving your answer in index form. (2 marks)

$$\frac{3^8 \times 3}{3^4} = \frac{3^9}{3^4} = 3$$

For 1(b), start by working out $\frac{9625}{7 \times 11}$

3 is the same as 31. For part (b), use the rule $a^m \times a^n = a^{m+n}$ to simplify the numerator: then use $\frac{a^m}{a^n} = a^{m-n}$ to simplify the fraction. Remember to write down both steps of your working and give your answer as a power.

Learn it!

You need to learn the square numbers up to 15^2 and the cubes of 1, 2, 3, 4, 5 and 10. You might need to spot square roots such as $\sqrt{169} = 13$ on your non-calculator paper.

Now try this

1 (a) Write $7^3 \times 7^5$ as a single power of 7.

(b)
$$9625 = 5^n \times 7 \times 11$$

Find the value of n . (2 marks)

2
$$(\sqrt[3]{-27})^k = 9$$

Write down the value of k . (2 marks)

3 (a) Simplify, leaving your answers in index form

(i)
$$\frac{2^9}{2^5}$$
 (ii) $(7^2)^6$ (iii) $5^2 \times 5^0$

(b)
$$\frac{3^n}{3^2 \times 3^5} = 3^4$$

Find the value of n . (2 marks)

GCSE English

Mnemonics

Take the first letter of a list or sequence.

Use each letter to create a word or phrase that will help you to remember them.





- Remember what features to use in descriptive writing
 - Metaphor, simile, alliteration, personification, triple adjective, personification



 Take the first letter of each feature. Use each letter to create a word or phrase that will help you to remember these features.



A – Alliteration

S – Simile

T – Triple

O – Onomatopoeia

M – Metaphor

P – Personfication



Mnemonic



 Remember what features to use in writing to explain and argue

Flattery, personal pronouns, imperative sentences, rhetorical questions, emotive language, statistics, repetition...

What other feature of language are used?

• Take the first letter of each feature. Use each letter to create a word or phrase that will help you to remember the features.

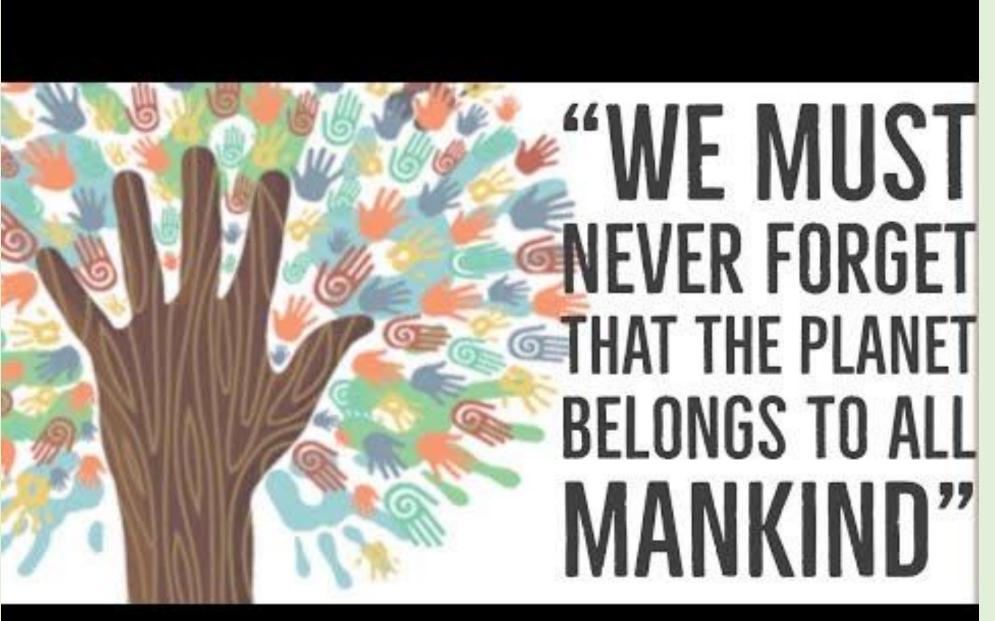


GCSE RE

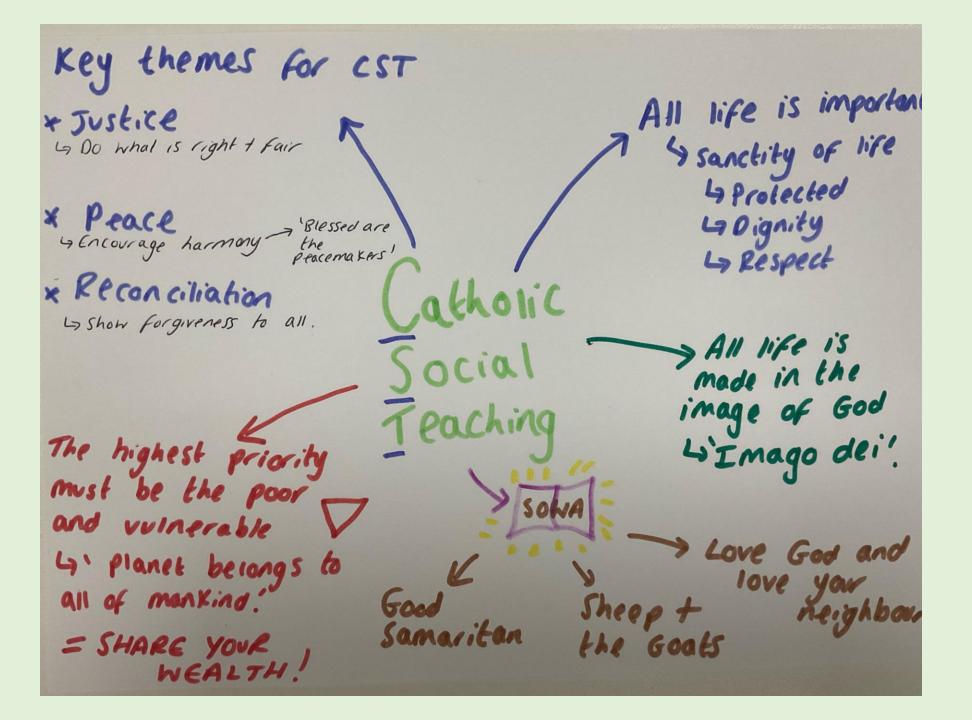
Using recommended revision videos



- Revision videos can contain lots of key information.
- It is not enough to simply watch the video.
- You need to make notes of key terms, SOWA's, religious teachings.
- Minimize the information you can expand it afterwards when you attempt a GCSE style question.







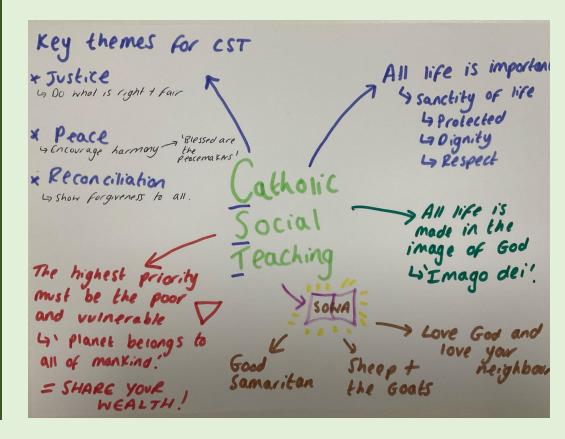


You could then use this information to help you to create and answer and exam style question.



- B) Explain two.....
- C) Explain two....
 In your answer you should refer to a source of wisdom and authority.
- D) Evaluate.

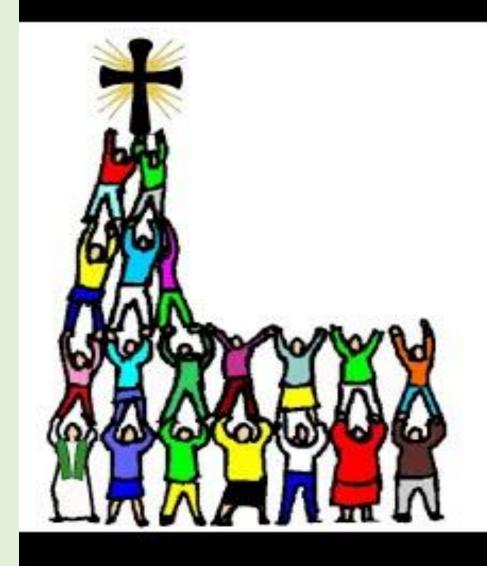




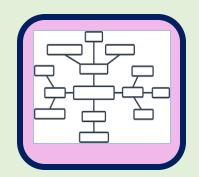


Videos





"FOR IN ONE **BODY WE HAVE** MANY MEMBERS" KUMAN3



Revision Activities



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