

YEAR 8

**KNOWLEDGE ORGANISER** 

Trinity 1

Learning - Loving - Living

"Wisdom is not a product of schooling but of the lifelong attempt to acquire it.."

Albert Einstein

#### How to use my Knowledge Organiser

The timetable shows the **subjects** you should be studying and the days that you should be studying them. You should **complete your work** your exercise book.

Each evening you should draw a straight line (using a ruler), under the previous day's work, and write the date, clearly at the top. You need to bring your KO and exercise book with you to school EVERYDAY.

The **KO** work that you have completed for the week will be checked in Family Group time **EVERY** Friday. If homework is not of an appropriate standard or amount will result in an after school detention. Knowledge tests will also be used frequently in lessons.

#### **Subject Homework**

Students will also be **given** additional subject homework to be completed throughout the week and/or can use FREE online revision tools such as <u>www.senecalearning.com</u>

It is also recommended that students regularly **READ** a variety of fiction and non fiction books that they choose for pleasure. This extra reading will help to develop and broaden their general knowledge.

In **ENGLISH** all students will be expected to complete 1-2 reading assignments each week by accessing <u>www.CommonLit.org</u>. Each assignment will take 20-30 minutes and students will be required to answer multiple choice questions to check their understanding of what they have read. Each class has a code based on the set they are in:

English Set	<b>Class Code for Commonlit</b>
8.2	4YQ9BY
8.1	ZDZ6JG
8G1	87G375
8G2	G9R3BV

In **MATHS** students are expected to watch short explanation videos and complete activities on the online platform of <u>https://mathswatch.co.uk</u>. Students can log in using the details and password they use to log in to the school computers.

#### **Homework Timetable**

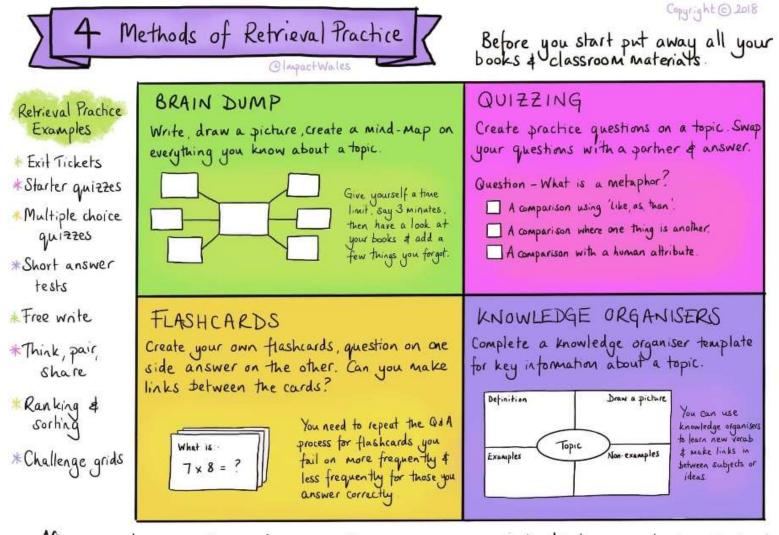
You should spend at least 1 hour per night on homework = 3 subjects x 20 mins per subject

Year 8	Subject 1	Subject 2	Subject 3
Monday	Maths	History	PE
Tuesday	English	Geography	ICT
Wednesday	Maths	<b>Religious Education</b>	English
Thursday	English	Science	Creative
Friday	Maths	MFL	Performing Arts

## **Retrieval activity ideas**

Knowledge organisers are for learning and mastering the knowledge in each subject. There are many different ways you can do this,

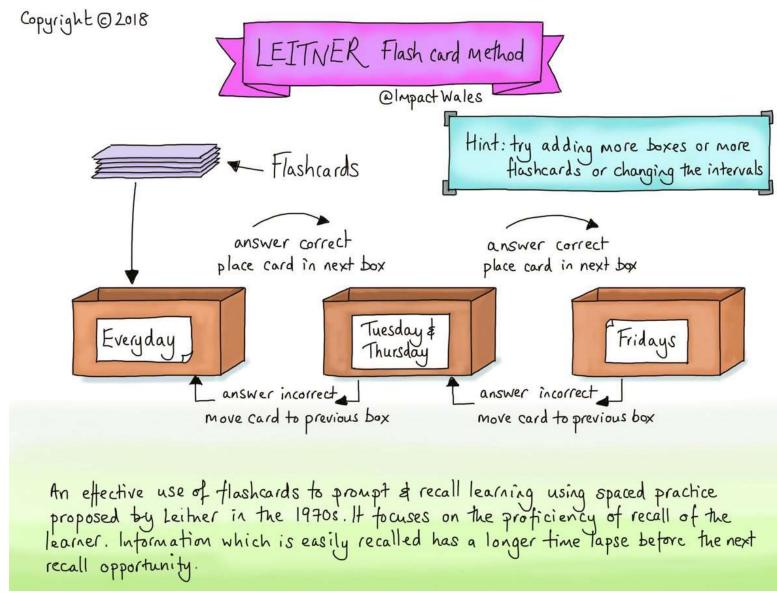
however some **PROVEN** methods to try in your work book are:



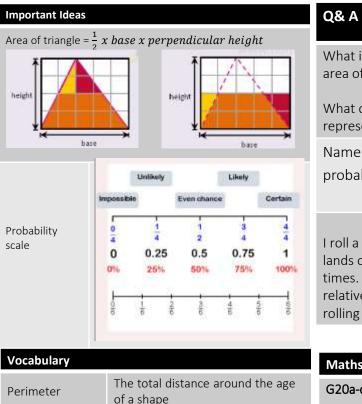
After you have retrieved as much as you can go back to your books & check what you've missed. Next time focus on that missing information

## Using flash cards successfully

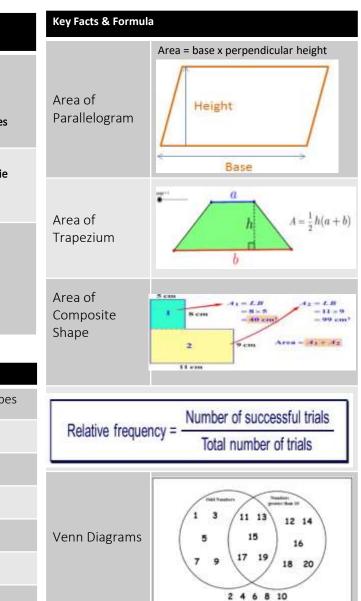
Once flash cards are created, you will need to use them correctly to have an impact. Follow the method below for the best knowledge retention



#### MATHS Year 8 T1 – Geometry and Statistics



What is the formula for area of trapezium?		$A = \frac{1}{2}h(a+b)$		
What do a and b represent?		The pair of parallel sides		
Name an event with probability of $\frac{1}{3}$		Landing on a squared number when I roll a die		
I roll a dice 80 times, it lands on three 12 times. Calculate the relative frequency of rolling a three .		$\equiv \frac{12}{80} = \frac{3}{20}$		
MathsWatch Re	ferences			
G20a-d, G24	Area of	2d & composite shapes		
G8b	perimeter			
P1	Probabi	lity scale		
P2a & b	outcomes			
Р3	Mutually Exclusive Events			
P6	Venn diagrams			
P7	Relative Frequency			

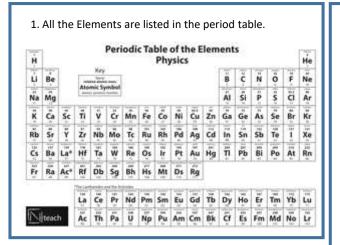


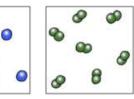
vocabulary	
Perimeter	The total distance around the age of a shape
Trapezium	Quadrilateral with ONE pair of parallel sides
Parallelogram	Quadrilateral with two pairs of parallel sides
Outcome	A possible result from an experiment
Event	More than one outcome
Bias	Built in error that makes actual probability different to expected probability

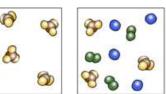
YEAR 8 ENGLISH			
1) Dystopia (n) Dystopian (adj)	Relating to an imagined place of state in which everything is unpleasant or bad	22) Despondency (n) Despondent (adj)	Feeling low, sad and dejected
2) Conform (v) Conformity (n)	Behaviour in accordance with socially accepted conventions	23) Anonymous (adj) Anonymity (n)	Having no name
3) Totalitarian (adj) Totalitarianism (n)	A system of government that is centralized and dictatorial	24) Intangible (adj) Intangibility (n)	Unable to be touched, not having a physical presence
4) Subservience (n) Subservient (adj)	Willingness to obey others without question	25) Nebulous (adj) Nebulousness (n)	Like a cloud, not defined or vague
5) Dehumanisation (n) Dehumanise (v)	To treat someone with a lack of compassion or humanity	26) Overburden (v) Overburdened (adj)	Give someone more pressure and work than they can deal with
6) Propaganda (n)	Misinformation and lies spread by governments to fool their people (fake news)	27) Archetype (n) Archetypal (adj)	A very typical example of something
7) Utopia (n) Utopian (adj)	An imagined place where everything is perfect and pleasant	28) Acquiesce (v) Acquiescent (adj) Acquiescence (n)	To accept something without protest; to do what someone wants
8) Autonomy (n) Autonomous (adj)	Freedom from control or influence; independence	29) Subjugate (v) Subjugation (n)	To bring under domination or control
9) Onerous (adj)	Something that involves a lot of effort	30) Suppress (v) Suppression (n) Suppressed (adj)	To prevent the development of something or to hide or ignore a feeling or desire
10) Collectivism (n) Collectivist (adj)	Giving the group priority over the individual	31) Insignificant (adj) Insignificance (n)	Too small to be worthy of consideration; unimportant
11) Individualism (n) Individualist (adj)	Giving individual people priority over a group	32) innate (adj)	Inborn, natural, within
12) Coerce (v) Coercion (n)	To force someone to do something, perhaps by using threats	33) Trait (n)	Characteristic or qualities
13) Isolate (v) Isolation (n) Isolated (adj)	To be separated from others	34) Nature vs Nurture	Whether people are shaped by their genetics (Nurture) or their environment (nurture) or both.
14) Bereft (adj)	To be sad and lonely	32) Thomas Hobbes	<ul> <li>a) Philosopher who wrote Leviathan in 1651</li> <li>b) Believed that human life was 'solitary, nasty, brutish and short'</li> <li>c) Though that a benign power was necessary to control people</li> </ul>
15) Desolate (adj) Desolation (n)	Feeling or showing great unhappiness	33) John Locke	<ul> <li>a) Philosopher who lived from 1632-1704</li> <li>b) Believed that people are born as a blank slate with no innate characteristics</li> <li>c) Believed that everyone began life equal and free</li> <li>d) Thought that societies should not be ruled by God or Kings</li> </ul>
16) Forsake (v) Forsaken (adj)	Abandon or leave	34) 'The Noble Savage'	<ul><li>a) The idea that humans are innately good</li><li>b) Society corrupts humans and makes them evil and violent</li></ul>
17) Ostracise (v) 18) Ostracisation (n)	To be excluded or left out		
19) Melancholy (n) Melancholic (adj)	A feeling of pensive sadness		
20) Poignant (adj) Poignancy (n)	Evoking a keen sense of sadness		
21) Profound (adj)	Having or showing a great knowledge or insight		

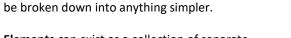
CHAPTER	PLOT	MAIN	CHARACTERS	VOCAB	CONTEXT	
1 WHERE ARE	Schoolboys have crash landed on a deserted Island. The reader meets Ralph and Piggy. Piggy has asthma. They find a conch and use it to summon any other survivors. Twins SamnEric, Jack and Simon.	13	Largest and most physically powerful. Wants to plan and follow rules.	OMNISCIENT (F)	AUTHOR: William Golding.	
WHERE ARE		RALPH	Symbolises: law, government and civil society	3 <sup>RD</sup> PERSON (F)	Born 1921 in Cornwall England. Brought up to be a scientist by	
2	The boys focus on short term pleasure and fun. Ralph	1.4	Smartest boy but has asthma and is fat so	SCAR	his parents.	-
FIRE AND BEASTS	suggests building a fire to be rescued. Jack just wants to hunt. A boy with a birth mark tells of the beast.	14 PIGGY	bullied. Has a tendency to lecture and is ridiculed. Symbolises: science and	CONCH	<b>FACTS:</b> Allegorical novel. Protagonist = Ralph.	
3	Ralph wants to build shelters but only Simon helps whilst		rationality	FLINKED	Antagonist = Jack. Point of view = Third Person Omniscient	Б
HUTS & PIGS	the others play and Jack hunts. The fire has been allowed to go out. Simon slips away to meditate	15 JACK	Leader of the hunters. Loves to hunt and kill gets angry when he doesn't get his	CHORISTER	LITERARY CONTEXT: Post war	R
4	A boat goes past but there is no fire to attract it. Piggy is		way. Believes a leader should be obeyed. Symbolises: dominance and power	ENORMITY	fiction. Published 1954. Subverts traditional Robinson	D
HUNTING & LOST	laughed at for sundials. Jack pants his face and hunts and kills a pig chanting "Kill the Pig. Cut her throat. Spill her		Symbolises, dominance and power	ALLEGORY (F)	Crusoe stories. Could be seen as Goldings version of WW111	0
CHANCES	blood" Ralph walks away.	16	Dreamy, dark haired boy prone to fits. He recognises that the beast is within them.	IRONY (S)	EVIDENCE	
5 GROUP	Ralph calls a meeting, but he and Jack are more apart than ever. There is talk of the beast. Jack just wants to	SIMON	He is unafraid and meditates. Symbolises: Religion and spirituality.	FORESHADOW (S)		H
SPLITS	hunt and wont listen to the rules of the conch. Ralph wishes for adults.	17	Quiet and intense at first then becomes	GROTESQUE	"Aren't there any grown ups at all?" The fair boy said this solemnly; but then the	
6	A dead parachutist floats in to the Island. They think it is a beast. Jack finds a rock and some boulders.	ROGER	more evil. He tortures SamnEric and likes to inflict pain. <b>Symbolises: Sadism</b>	SAVAGE		
SOLDIERS & BOULDERS				BEAST	delight of a realised	Ē
7	Jack and Ralph continue to clash as they search for the		THEMES	CIVILIZATION	ambition overcame him. "But there isn't a beastie" Ralph pushed both hands	S I
BEASTS & BOARS	beast. Ralph kills a boar and is flushed with excitement. Roger is almost killed in the reenactment.		HUMAN NATURE	ABYSS		
8	Jack declares himself chief of his own group. Simon		CIVILIZATION		through his hair and looked	$\leq$
SAVAGES	meditates alone and leans what the beast is. The savages dance around as they kill a sow.	SA	VAGERY & THE "BEAST"	METAPHORS (L)	at the little boy in mixed amusement and	
RULE		SP	IRITUALITY & RELIGION	SADISTIC	exasperation	a
9 DEATH OF	A storm comes and they have no shelter. Simon emerges from the forest and is killed by the other boys who think	TH	E WEAK & THE STRONG	TORTURE	Here, invisible yet strong was the taboo of the old	m
SIMON	he is the beast.			CAMOUFLAGE	life. Round the squatting	G
10 ROCKS &	Jacks gang have moved to castle rock. Ralph, Piggy and SamnEric remain but cant keep the fire going alone. Jack	e. Jack conch. THE ISLAND & THE SCAR		HEROISM	child was the protection of parents and school and	olo
GLASSES	steals Piggy's glasses whilst the others protect the conch.			LUST	<ul> <li>Folicemen and the law</li> <li>"Kill the pig! Cut her throat!</li> <li>Spill the blood."</li> </ul>	ding
11 PIGGY IS	The boys go to castle rock to confront Jack. Piggy is killed by a boulder pushed by Roger. Jack attempts to kill Ralph	THE LORD OF THE FLIES		BEAST		
KILLED	with a spear. He flees	THE CONCH				
12 TEARS & RESCUE	SamnEric are tortured into revealing Ralphs hiding place. Jack vows to burn down the forest to find him. The smoke attracts a boat. The officer finds the boys and asks if they are playing at war. All of the boys cry whilst the officer		PIGGYS GLASSES	PROPHECY	What I mean isMaybe it's only us	
		-	THE OCEAN & ADULTS	PARACHUTE	Taken away its life like a	
	looks back at his ship.		FIRE	AUTHORITY	long satisfying drink.	

## Year 8 (Science) Reactions of mixtures and compounds









**Elements** can exist as a collection of separate atoms or atoms bonded as molecules.

**Elements** are made up of one type of atom.

Atoms are the smallest unit of matter than can't

2. Key words.

A molecule is two or more atoms bonded together.

A **compound** is when two or more different elements become chemically combined. A **compound** can only be broken down by a chemical reaction.

A **mixture** is when two or more different elements are in the same space but not chemically combined. A mixture can be broken down by a physical reaction.

3. The diagrams below show the general arrangement of particles in an element, a compound and a mixture in gas state.	<ul> <li>5. Signs of a Physical reaction: <ul> <li>No new substance formed.</li> <li>Change in temperature.</li> <li>A change in shape may be observed.</li> <li>A change in size may be observed.</li> <li>Easily reversed.</li> </ul> </li> <li>7. Examples Physical Reaction – Ice Melting</li></ul>	6.Key Words. <b>Boiling Point</b> – The temperature at which a substance turns from a liquid into a gas <b>Melting point</b> – The temperature at which a substance turns from a solid into a liquid			
	Chemical Reaction – Baking a cake	a solid into a liquid.			
a) Atoms of an element b) Molecules of an element	8. Word Equations for chemical reactions. 8a) Iron + Sulphur→ Iron sulphate 8b) Iron + Copper Sulphate→ Iron Sulphat				
	8c)Magneisum + hydrochloric→ Magnesium + Carbon + Water Carbonate acid Chloride Dioxide				
4 4 8		Bioxide			
୍ଷ୍ୟ କ୍ଷ ବ୍ର ବ୍ର ଜୁ କୁ ବ୍ର ବ୍ର ବ୍ର	9. Symbol Equations for chemical reactions. 9a) $Fe_{(s)} + S_{2(g)} \rightarrow FeS_{(s)}$				
c) Molecules of a compound d) Mixture of elements and a compound	9b) $2Na_{(s)} + CuSO_{4(aq)} \rightarrow Na_2SO_{4(aq)} + Cu_{(s)}$				
	9c) MgCO <sub>3(s)</sub> + HCl <sub>(aq)</sub> $\rightarrow$ Mgcl <sub>2(aq</sub> ) + CO <sub>2</sub>	$_{2(g)} + H_2O_{(I)}$			
<ul> <li>4. Signs of a Chemical reaction:</li> <li>Change in temperature takes place.</li> <li>A new substance is formed.</li> <li>A change in colour may be observed.</li> </ul>	10. Balanced Symbol Equations for ch 10a) $2Fe_{(s)} + S_{2(g)} \rightarrow 2FeS_{(s)}$ 10b) $2Na_{(s)} + CuSO_{4(aq)} \rightarrow Na_2SO_{4(ac)}$ 10c) $MgCO_{3(s)} + 2HCI_{(aq)} \rightarrow MgCI_{2}$	<sub>1)</sub> + Cu <sub>(s)</sub>			
<ul><li>A gas might be produced.</li><li>Difficult to reverse</li></ul>	H <sub>2</sub> O <sub>(I)</sub>				

## Coasts

## Year 8

No	Kau Tarre	Definition					1	
No.	Key Term	Definition		1		No.	Cas	e Study+ Barton-On-Sea
1	Erosion	The breaking down of material		atomy o	of a Wave • Crest - the highest	19	Location	Christchurch Bay, Dorset, Southern England.
1	Elosion		Crest	Wavele	point of a wave	20	Rate of erosion	2 meters a day without any management
2	Transportation	The movement of material such as rock .	1		point	21	Geology	Limestone, sands and clay
3	Hydraulic	The force of the water pushes air into a crack		Wavelength – the distance from crest to crest OR trough			Hold the line	Using hard engineering techniques to prevent further erosion.
	Action	causing it to erode.	Still Water • Wave height - 23 Strategic Gradually allows pe	Gradually let the coast erode; allows people time to relocate.				
4	Abrasion	The scratching and scraping of cliffs causing them to erode.	Lev	AET.	Trough vertical distance from crest to trough	24	Do nothing	Take no action at all and let nature takes it's course
5	Weathering	The physical, biological and chemical breaking down of rock	<ul> <li>14. The strength of a wave depends on 3 factors.</li> <li>1. Wind strength</li> <li>2. Wind duration (how long it has been windy)</li> <li>3. Fetch (distance the wave has travelled)</li> </ul>			25	Advance the line	Use sea defenses to move the coast further into the sea. It is extremely expensive.
6	Swash	The forward movement of waves				26	Beach replenishment	Placing sand back onto the beach so the energy of waves is dissipated
7	Backwash	The backward movement of waves	No.		Construction of a stump			
8	Concordant	When the strata (layers of rock) are parallel to the				-		
	coastline	coast.	15	15Nock/Hydraulic Action and abrasionCrevicewill erode a weakness in the				
9	Discordant coastline	When the strata (layers of rock) are at right angles to the coast.			rock.	2	Beach	ALLER ALLER A
10	Longshore Drift	The zigzag movement of material down the	16	Cave	Marine processes will cause the nock to get wider forming a		1	Bay
10	Longshore Drift	beach.			cave.	-	H	adiand
11	Hard engineering	Expensive, long lasting and solid constructions to slow coastal erosion.	17	Arch	Marine processes will erode through the cave forming an arch.	L'II	W MATT	Stack Stump
			18	Stack	The heavy rock above the arch	Crevi	ce/nock Cav	Arch Charles and Charles and
12	Soft Engineering	Cheap natural solutions to slow erosion such as beach replenishment (putting sand on the beach).		and will be eroded by weathering stump and the base by marine processes. Eventually it will collapse leaving behind a stack.				
13	Terminal groyne syndrome	When groynes prevent beaches forming further down the coast.			Abrasion will erode the foot of the stack and it will collapse to a stump			
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	Year 8 History T1 knowledge organiser- World War Two 1939-1945						
1	Appeasement	0 0	eone's demands as far as is reasonably	11. Was Dunkirk a success or failure for Britain?			
		possible to avoid	l conflict.	<u>'</u> Dunkirk wa	s a success!!!'	'Dunkirk was a failure!!!'	
2	USSR	Communist Russ	ia led by Josef Stalin	-338,000 British (BEF) & French troops evacuated from Dunkirk		- <b>68,000</b> BEF casualties.	
3	Foreign Policy	a government's	strategy for dealing with other countries.	(target <b>50,000)</b> -860 Naval & privately owned ves	sels carried troops to Dover &	-1,200 field guns, 1,250 anti-aircraft guns, 11,000 machine guns, 75,000 vehicles abandoned (incl.475 tanks).	
4	Blitzkrieg	use fast, mobile	<i>blitzkrieg</i> is a military tactic designed to units to break through the weak points in nce. It is all about power and speed.	-Churchill praised Dunkirk as a success and used it to rally the British -Hitler did		-Germans fully expected GB to make peace -Hitler didn't want war with Britain -Hitler respected their Empire	
5	Turning Point		a major change in a situation or event ly one with beneficial results	The Battle of Britain- Aug- Sep 1940			
6	Rearmament	The process of r	ebuilding and expanding the armed forces.			ish armies were overpowered by the German blitzkrieg. ne German air force) had to destroy the RAF, to prevent it	
7	Treaty	A formal agreem	ent between states or countries.	shooting at German troops v	who were supposed to land in Bi		
<ul> <li>8. Causes of WWII- Hitler's foreign policy?</li> <li>Remilitarisation of The Rhineland - 7 March 1936 the German military forces entered the Rhineland. The remilitarization <u>changed the balance of power in Europe</u> from France towards Germany, and made it possible for Germany to pursue a policy of aggression in Eastern Europe.</li> <li>Anchluss with Austria - March 1938. Hitler wanted all German-speaking nations in Europe to be a part of Germany. To this end, he had designs on <u>re-uniting Germany</u> with his native homeland, Austria.</li> <li>Sudetenland and Czechoslovakia – Hitler caused unrest in the area, like Austria , in September 1938. He finally invaded the area, heavily populated by Germans, in March 1939.</li> <li>Poland - Hitler and Stalin allied and signed the secret Nazi-Soviet pact which divided Poland between the two.</li> </ul>		The results of the Battle         Germans were unsuccessful and the plan of full scale landing on British Isles was called off in favour of heavy bombing of civilian and strategic targets to force British surrender. This change of tactics came in September of 1940. the bombing campaign is called Blitz.         Operation Barbarossa         • In June 1941, the war was going well for Hitler and the German army seemed impossible to defeat         • Invading the USSR seemed like a good gamble - the Soviet army appeared much weaker than the French, which had been defeated in 7 weeks and Germany controlled most of continental Europe.         • Hitler's ambition in life was to defeat communism, he also wanted the land of the USSR for 'lebensraum' and the people for slave labour. Tactics: Take over the USSR as quickly as possible using 'Blitzkreig' tactics.         Reasons for German Defeat         • The deeper into Soviet territory Germans moved the more stretched the communication and supply lines. The risk of getting cut off was significant.         • The operation continued through the autumn and into the winter. German soldiers- not prepared for Russian winter.					
						<u>9. (</u>	Causes of WWII- Ap
	For appease	ement	Against appeasement	<ul><li>were getting stuck, soldiers</li><li>Joseph Stalin adopted strate</li></ul>		nt that all towns and villages along the German path were	
-Br	ermany deserved a f itain needed time e British people hac	-Germany was growing stronger		•	••	left Germans in control of an empty land. meland so were more committed to the fight.	
<ul> <li>- Fear of another war -Fear of Communism</li> <li>- Appeasement scared the USSR Hitler was determined</li> <li>10. Key dates leading to WWII Jan 1933- Hitler became Chancellor –began big rearmament programme Mar 1934- Hitler introduced military conscription –breaking terms of ToV. Mar 1938- 99.75% of Austrians voted to unite with Germany. Sept 1938- Munich Agreement: Br, Ger, Fr and It decided to appease Hitler Oct 1938- Hitler's troops marched into Sudetenland. Mar 1939- Hitler's troops invaded the rest of Czechoslovakia Aug 1939- Hitler and Stalin sign the Nazi Soviet Pact.</li> </ul>		Pearl Harbour and United States joining WWII. On 7th of December 1941	Ĵ.	r <mark>oshima and Nagasaki.</mark> United States launched an atomic bomb on <u>Hiroshima</u> , a large later an similar attack took place in another large city called			
		Japan, one of German allies unexpectedly attacked an American naval base in Hawaii. As a consequence United States declared war on Japan and, bound by its alliance agreement,	Nagasaki. The first attack took additional 100,000 victims wh Why the A-bomb? •The United States wanted to American casualties and the A to scare Soviet Union from sta •American government wante inventors did not fully underst	140,000 lives, the second another 40,000 with the o died later because of radiation poisoning. force Japan's surrender as quickly as possible to minimise merican government that they need to show their strength arting an open conflict. In to field test A-bomb as a new type of weapon as its tand its impact.			
Sept 1939- German army invaded Poland.		Germany declared war on	• The prutality of Japanese in A	Asia and in their attack on Pearl Harbour caused a feeling of			

United States.

wanting revenge.

**3 Sept 1939-** Chamberlain declared that Br and Ger were at war.

Eden to work it and take care of it. (Genesis 2:15)

Key Terms:	What do Christians believe about rituals of life?
Procreation – To have sex and produce children.	
<b>Cohabitation</b> - Living together in a sexual relationship but without legalising the union through marriage.	4. Ethics and relationships in Christianity – Christian views of sex and sexuality The nature and importance of sexual relationships in Christianity:
<ul> <li>Marriage – The legal union of a man and a woman or a same-sex couple.</li> <li>Adultery – voluntary sexual intercourse between a married person and a person who is not their spouse.</li> <li>Abstinence - Choosing to restrain oneself from doing something, for example, having sex or eating food (fasting).</li> <li>Homosexuality – Sexual attraction to members of the same sex.</li> <li>Heterosexuality - Sexual attraction to members of the opposite sex.</li> <li>Promiscuity - Sexual relations with multiple partners on a casual basis.</li> <li>Sanctity of Marriage - The idea that marriage has a special significance as</li> </ul>	Christians believe sex is a gift from God intended for procreation, therefore they believe that sex should take place only within marriage. They believe that sex is an important way for man and woman to show commitment to each other. All forms of sexual activity are forbidden outside of marriage. Marriage is an important rite of passage in Christianity. For Christians, marriage is traditionally accepted as being between man and a woman, and is seen as the
a holy gift of God. Faithfulness - Not having a sexual relationship with anyone other than a partner. Sacrament – is a rite of passage or ceremony where the grace and the power of God can be received. Protestant communities refer to the sacraments of Baptism and Eucharist as ordinances. Rites of Passage - Events marking key stages in the life of a Christian.	<ul> <li>correct context in which to have sexual relationship and children.</li> <li>Sexual relationship in the Bible:</li> <li>Casual relationships are wrong – marriage is intended for sexual relationships.</li> <li>Adultery is forbidden in the Ten Commandments, which are rules from God.</li> <li>Married couples should be faithful to each other as spoken in the marriage vows.</li> <li>St Paul in the Bible condemns homosexual acts, stating that they are 'shameful'.</li> <li>Being sexually pure is advised, and many Christians take a vow of chastity before</li> </ul>
Source of Wisdom and Authority: Marriage – Therefore what God has joined together, let no man	marriage.
separate. ( <b>Mark 10:6-9</b> ) Adultery – You should not commit adultery. ( <b>Exodus 20:14)</b>	4a. Similar and different Christian views and attitudes to marriage:
God bless them and said to them, 'Be fruitful and increase in number;	Christians beliefs about marriage
<ul><li>fill the earth and subdue it'. (Genesis 1:28)</li><li>Flee from sexual immorality. All other sins a person commits are outside the body, but whoever sins sexually, sins against their own</li></ul>	Most Christians believe marriage is a sacrament – a ceremony in which God is involved. Vows, such as being faithful, are made between the man and woman and also to God, showing marriage is sacred and binding.
body. Do you not know that your bodies are temples of the Holy Spirit Therefore honour God with your bodies. – ( <b>1 Corinthians 6:18-20)</b>	Marriage is believed to be a gift from God – it is part of God's plan for men and women to live together as stated in the Bible.
<b>1 Corinthians 6:18-20</b> – can be interpreted to mean that the body is sacred and sexual relationship should no be abuses, or that a sexual relationship is a way of honouring the body, with sex being a gift from	Marriage is seen to provide security and a stable environment for children to be raised as Christians.
God. Stewardship: The Lord God took the man and put him in the Garden of	Although marriage is important, some Christians believe that God doesn't want everyone to be married. Jesus himself wasn't married and some Christians believe they have a vocation from God (for example, being a monk or nun) where marriage is not a

requirement.

Subj	ect:	RE
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<b>4b. Similar and different attitudes to sex and sexuality:</b> Christians hold some key beliefs about sexual relationships, including the belief that a sexual relationship should only take place between a man and a woman	<b>6a. Rituals of life and death, including burial, according to Christianity:</b> All Christians believe there is an afterlife for those who believe in God. Eschatology is the word used for 'end times'. It can refer to the end of human life or the end of the world.
<ul> <li>who are married to each other.</li> <li>Alternative Christian views of sexual relationships:</li> <li>Some Christians believe that, in modern society, some ideas about sexual relationships are outdated. They believe that love is important and should be celebrated in whatever form it occurs.</li> <li>This may allow them to accept cohabitating couples who have a sexual relationship as well as homosexual couples who are in a permanent and stable relationship.</li> </ul>	Funeral Services for Christians are typically held in the church they were affiliated with, and the focus of the service is usually on their religious life. During most Christian funerals, there is a sermon, prayer, reading of Scripture and singing hymns. It is also common for a eulogy or funeral resolution to be read that details the religious life of the deceased. A wake is sometimes held prior to the start of a funeral service. This is a time when close family members come together to view the body and offer support to one another in their time of loss. <b>A Catholic funeral is slightly different and can be with or without Mass:</b> Burial Customs - Christians are typically buried in consecrated ground, which is an area that has been blessed or a cemetery where other Christians are buried. In the past, Christians were encouraged not to be cremated but to imitate Jesus' burial in the tomb. However, most Christian denominations now accept cremation as an option.
5. Christian attitudes to rights and responsibilities, global issues and interfaith dialogue – Christian beliefs about their responsibility to care for the elderly in their families and community: Today's natural world faces many threats, often from humans.	
Threats in the world – The world today is being damaged by pollution, global warming and humanity's excessive use of natural resources. Many animals species are threatened with extinction, while the world's fast-growing human population is becoming unsustainable. Christian responses:	<b>6b. Similarities and differences of belief between faiths:</b> <b>Resurrection</b> – Christians believe that death is not end. They believe that the resurrection of Jesus – when he came back to life from the dead – proves life after death.
<ol> <li>the Bible teaches that we should care for the world</li> <li>Christians see the world as a sacred gift from God</li> <li>Christianity teaches that human will be judge after death on how they treated the Earth</li> <li>God gave human the responsibility of stewardship of the Earth – caring for it for future generations.</li> </ol>	<ul> <li>The Soul – Death is only the end of the body; the soul is immortal.</li> <li>Souls that have been saved either go to heaven or to purgatory (which is the Catholic idea of a 'waiting room', where souls go to be cleansed before entering heaven).</li> <li>Souls that have not achieved salvation will go to hell.</li> </ul>
The purpose of the family – Christians believe the family was God's intention for humans when he created them.	<b>Judgement</b> – Christian accept God is just and it is God who will decide the destination of every human's soul after death. They believe that Jesus is also
6. Christian beliefs about religion and science – Body and Spirit: Religion and science ask different kind of questions about the universe and its origins. Most Christians embrace scientific discoveries but in ways that differ according to Christian denomination. Christians believe that God took human form as Jesus Christ and that God is present today through the work of the Holy Spirit and evident in the actions of believers.	<ul> <li>involved in judgement and will offer every human the opportunity of salvation. Those who refuse will face the 'Last Judgement'.</li> <li>Heaven – Heaven is mentioned in the Bible, yet it is rarely described. Some Christians believe heaven is a physical place, but most think it is a spiritual state of being united with God. The Bible teaches there is no sin, sadness or suffering in heaven.</li> </ul>

## Year 7 – T1 – Physical Education – Athletics

Athletics is made up of 3 disciplines; track (running), throwing and jumping.

<u>Section 1</u> - Track events include; sprints (100m, 200m, 300m), middle distance (800m, 1500m) and relays.

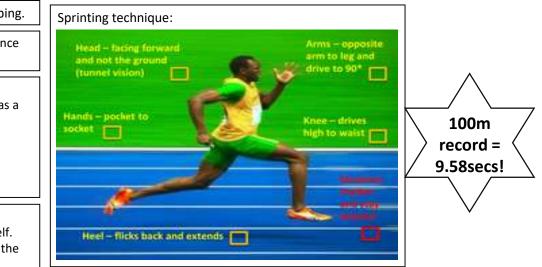
#### Sprints:

The most important aspect of a sprint is the start (known as a sprint start) as a poor start can lead to the rest of the runners getting past you. It is also important that you consider:

- Leg action (driving forward),
- Arm action (powering forward),
- Upright posture.

#### Middle distance running:

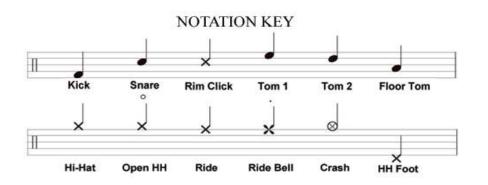
When running a middle or long distance event it is essential to **pace** yourself. This means not sprinting off but running or jogging at a constant speed for the duration of the event.



Rec	cord breaking	<u>Section 2</u> - Throwing events include; discus, javelin, shotput.	
	Girls	Boys	Discus:
100m	11:82	10:80	
200m	23:74	22:13	
300m	40:35	35:41	NER FIT TILLEL
800m	02:08:08	01:56:00	1 2 3 4 5 6 7 6 9 Javelin: Shotput:
1500m	04:29:09	04:04:20	to lo la à à à à à à à à à à à à à à à à à à
High jump	1.81m	1.97m	TRAAA SXXX
Discus	42.06m	55.29m	Teaching points:     Section 3: High jump (scissor kick vs fosbury flop)     Questions:       Discussion     1. Name the 2 disciplinge in athlatics and size as summle.
Shotput	14.34m	18.03m	fingers, swing arm back, release high. Javelin: stand side on, fully extend arm
Javelin	44.81m	65.26m	behind, bring arm forward, transfer weight. <u>Shotput</u> : stand die on; dirty fingers, clean palm, shot starts in neck and <b>pushes</b> through. 3. Explain what is happening in the diagrams for discus, shotput, javelin. 4. Explain the sprinting technique diagram above. 5. What is the world record for 100m?

#### Year 8 Music -What is Guitar Tab? Tab or tablature is a way of notating or writing down music. It shows a graphic representation of the strings and frets on the guitar fretboard. Each note is indicated by placing a number, which indicates the fret to play, on the appropriate string. T1: Bamd Skills The Lines When reading guitar tab you will see six lines. The thickest string on the guitar or bass is the one nearest your chin, with the thinnest string being the closest to the floor. The Numbers The numbers show which **fret** to play – where the number is written will show which string is to be played. READING TAB Frets are the metal strips that run across the fretboard. Drum Tab Notes played at What is Drum Tab? the same time When reading drum tab you will see five lines (like the normal stave). Notes played one at a time Thinnest Instead of having different notes on the stave, each place is a different part of the drum kit. string The note heads The numbers show which fret to play – where the number is written will show which string is to be played. Frets are the metal strips that run across the fretboard. Thickest Numbers tell you where string KEYWORDS to put your fingers 0= open string 1- Melody - The main tune of a song, often sung. 6- Arrangement – the order/structure you choose to play a piece of music 2- Chord - 2 or more notes played simultaneously. 7- Balance - ensuing each part and instrument can be heard, with the main parts playing out. 8- Rhythm - a) the combination of different note durations in a 3- Bassline - the bottom part of a song, played in the bass. piece. b) The instruments that keep the pulse of a song. READING CHORD BOXES 4- Riff - a repeated pattern 9- Verse - the parts of a song that change lyrics, telling the

10- Chorus - the repeating section of a song, usually following a



5- Hook - a musical idea, often a short riff, passage, or

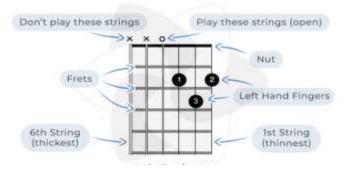
phrase, that is used in popular music to make a song

appealing and to "catch the ear of the listener".

story, that precedes a chorus.

verse, which sums up the theme of the song.

Guitar Tab



## Art Year 8 – Proportion and masks

## A. Key Terms

Keyword	Description
1. Proportion	the comparative measurements or size of different parts of a whole.
2. Scale	a ratio of size in a map, model, drawing, or plan.
3. Tonal range	<b>Tone</b> in an <b>artistic</b> context refers to the light and dark values used to render a realistic object, or to create an abstract composition. When using pastel, an <b>artist</b> may often use a colored paper support, using areas of pigment to <b>define</b> lights and darks, while leaving the bare support to show through as the mid- <b>tone</b> .
4. Costume	a set of clothes in a style typical of a particular country or historical period.
5. Distort	pull or twist out of shape.
6. Emphasize	<b>Emphasis</b> is defined as an area or object within the <b>artwork</b> that draws attention and becomes a focal point.
7. Develop	Improve your idea or design

## **B.** Command Words

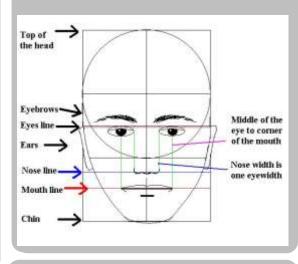
Keyword	Description
8. Study	To examine, consider, investigate, research and show an in-depth understanding of what you have found or experienced.
9. Explore	To investigate, examine and look into with an open mind about what might be found and developed.
10. Create	To conceive, make, craft or design something new or invent something.
11. Analyse	To examine in depth, study thoroughly, question, investigate and consider your own opinion or visual investigation of something

## D. Technique based vocabulary

Keyword	Description
12. Papier-mâché	Papier-mâché is a composite material consisting of paper pieces or pulp, sometimes reinforced with textiles, bound with an adhesive, such as glue, starch, or wallpaper paste.
13. Prime	In painting, priming is coating a material in a protective layer of a neutral colour to prepare the surface for the final design.
14. Media	The material and method used to produce a piece of art.
15. Layer	a sheet, quantity, or thickness of material, typically one of several, covering a surface or body.

## C. Proportion

18. You must be able to label the proportions on a figure correctly. Revise using the diagram below.



## E. Jing Ju Chinese opera masks



E1: Jing ju or Peking opera is a Chinese form of theatre
E2. Masks and face paint are used to show different characters
E3. Each colour shows a specific personality trait.
E4. Bold patterns are used so that the audience can see the characters emotion.

## Year 8 – Cooking and Nutrition - Unit 2

	Definition	Keyword
1	Dry heat is applied to a starchy product and the moecules on the surface break down and change colour to brown	Dextrinisation
2	When sugars melt at high heat to change colour to a shade of brown and release sweetness	Caramlisation
3	A protein found in wheat flours, that makes the dough elastic	Gluten
4	An intolerance to Gluten which causes the inflamation of the intestine walls and damage them making nutrient absorption more difficult for the body	Coeliac disease
5	Releases when starch is heated and enables sauces to thicken	Amylase
6	The unravelling of the bonds that hold amino acids together in proteins, and the creation of a different structure of amino acids	Denature
7	The thickness of a liquid	Viscosity
8	When starch particles swell and burst, thickening a liquid	Gelatinisation
9	A yellowy, high-protein wheat that is grown especially for making pasta	Durum wheat
10	The process which separates the different parts of the grain	Milling
11	A coarse-ground flour which comes from wheat	Semolina
12	The whole seed in its natural state, none of the layers have been removed	Whole grain
13	Products which does not have any wheat, rye, barley and sometimes oats	Gluten - free
14	'Firm to the bite' describes the texture of pasta	Al dente
15	When extra vitamins and minerals are added to a food	Fortification
16	Changing raw foods to make them ready to eat or cook, or prepare them as ingredient for other food products	Primary food processing
17	The fragments of grain husks that are separated from flour after milling which can reduce nutritional value	Bran
18	The main part of the grain, a starch and protein supply	Endosperm
19	A carbohydrate made from two sugars molecules	Disaccharide
20	The keyword for how much of the orginal wheat grain is in the flour and used in products	Extraction Rate
21	A chemical breakdown of sugar to acid, gas or alcohol by bacteria, yeasts or other microorganisms	Fermentation
22	When bread is left to rest in a warm, damp environment to enable fermentation	Proving
23	Part of the grain which provides fat and B vitamins, it is also used to grow new plants	Germ
24	The two names of the proteins which form gluten. They are kneaded and stretched in the production of bread.	Glutenin and Gliadin
25	The impact of carbohydrate food on the blood sugar levels	Glycaemic index
26	The process of gathering or reaping crops	Harvesting
27	Fibre which the body can not absorb	Insoluble fibre
28	To re-knead the dough which knocks out some of the carbon dioxide allowing the yeast to produce more carbon dioxide	Knocks back
29	A method of making pastry where alternative layers of dough and butter are pressed together	Lamination
30	A simple sugar made of small molecules that are easily digested	Monosaccharide
31	The place in which something is derived. Where food comes from	Origin
32	The ability of a fat to produce a characterictic crumbly texture to bakes products, partly pastry	Shortening
33	A polysaccharide and a complex carbohydrate	Starch
34	A type of flour with the highest gluten content	Strong flour
35	When primary food is changed or converted into an ingredient which can then be used to make a food product	Secondary processing
36	Refers to bread, cake and biscuits made without raising agents	Unleavened
37	Contains just the endosperm, the bran and the germ have been removed	White flour
38	A microorganism belonging to the fungi family, made up of single oval cells that reproduce by budding, this means they multiply and	Yeast
39	the one cell divides into two Tiny black bugs that can live and breed in flour	Weevils
23	They shack bugs that can live and sheed in hour	VVCCVII3

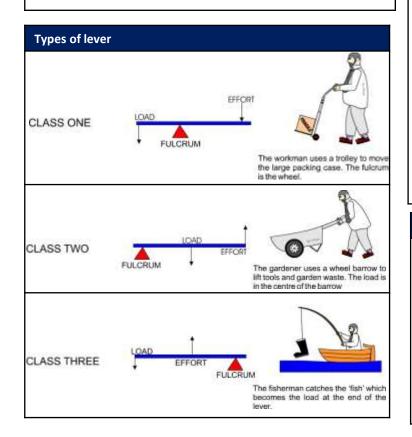
## Engineering

## **Mechanical Devices**

#### Levers

Levers are used to lift heavy weights with the least amount of effort. In the example opposite, the heavy weight on the left hand side is been lifted by the person because of the lever. The longer the 'rod' the easier it is to lift the weight. Under normal circumstances the person would not be able to lift the weight at all. The *fulcrum* is the place where the rod *pivots* (or rotates).

The *load* is the scientific name for the weight. The *effort* is quite simply the amount of effort used to push down on the rod in order to move the weight.



#### The science of elasticity, energy and rubber

Energy is a great subject in science. It covers so many things and I have many other aspects that I hope to share with you soon but one thing that explains energy so well is a simple rubber band; it can demonstrate elasticity, kinetic energy and potential energy and it great to use in some really cool experiments. Here are just a few short facts on the topic.

#### What is Elasticity?

Elasticity is the ability of an object to return to its original size and shape after it has been stretched or squeezed.

When we pull an elastic object we are applying a force on it called a stress. If we apply too much stress to an object it will eventually reach a limit called its **elastic limit.** 



When an object is pulled beyond its elastic limit is cannot return to its original shape.

All objects will eventually lose their elasticity due to wear and tear, friction and stress.

#### Potential and Kinetic Energy

Potential energy is energy stored within something. Kinetic energy is energy in motion. When we use force to stretch an elastic object, such as an elastic band we are filling it with potential energy. When we let go of the rubber band and it springs back to its original shape, the energy released is Kinetic Energy.

#### Hooke's law

#### **Extension and compression**

Extension happens when an object increases in length, and compression happens when it decreases in length. The extension of an elastic object, such as a spring, is described by Hooke's law:

force = spring constant × extension

This is when:

force (F) is measured in newtons (N)

spring constant (k) is measured in newtons per metre (N/m) extension (e), or increase in length, is measured in metres (m)



Year Eight :DRAMA: Elements of Brechtian theatre.			
Multi-roling	Performers play more than one character which can be differentiated by changes in movement, posture, gesture, body language, facial expression and voice.	Placards	Often used to give the audience additional information to deepen their understanding and offer them extra information about what they are seeing.
Split roles:	Where more than one performer plays the same character eg four different playing Macbeth to show different sides to his characters.	Singing and dancing	Used to make it clear to the audience that what they are watching is not real life- the style of the singing and dancing should not be polished as in the West End.
Set, costume, props and lighting	Simple in Brechtian theatre-obvious and functional.	Spas	Meaning 'FUN'- Brecht wanted audiences to think about what they were watching and he realised that comedy and satire was an effective way to do this.
Narration	To tell the audience what is going to happen or give scenes a title. Stops the audience feeling emotional about the action if they know what is going to happen.	Montage	Using images and sounds to distort or challenge conventional views of events, issues or situations.
Direct Address	This breaks the fourth wall and has the actors speaking directly to the audience so it stops the illusion of reality.	Satire	Uses humour and sarcasm to expose and mock somebody else's failings.
Coming out of character	Where a performer comes out of a character or role in the middle of a scene to explain what is happening or how they are feeling.	Gestus	Clearly defined gesture or movement performed by the character to demonstrate the essence of the character.
Speaking the stage directions	Used in rehearsals.	Epic theatre	About an event-tries to get the audience to change their mind about something and/or take action about a social injustice they see.

## Trinity 1 - Studio2Red – Mod5. Vocabulaire Quel talent !

## Semaine 1

Le concours de taler	ts • The talent
	contest
Mon/Notre talent, c'est	My/Our talent is
chanter	singing
danser	dancing
être pom-pom girl	being a cheerleader
faire de la magie	doing magic
jouer du piano/violon	playing the plano/violin
jouer de la guitare (électrique)	playing the (electric) guitar
Je veux être	I want to be
chanteur/chanteuse	a singer
danseur/danseuse	a dancer
guitariste	a guitar player
musicien/musicienne	a musician
magicien/magicienne	a magician
Je veux gagner le concours.	I want to win the contest.
Jai déjà gagné un concours.	Pve already won a contest.
un candidat/ une candidate	a contestant
célèbre.	famous
une célébrité	a celebrity
une vedette	a (TV/film/music) star
participer (au concours)	to take part (in the contest)

## Semaine 3

Donner des instructi • Giving instr	ons et conseils ructions and advice
Chante plus fort!	Sing louder!
Enlève ton blouson!	Take off your jacket!
Éteins ton portable!	Switch off your mobile phone!
Fais plus d'efforts!	Make more of an effort!
Jette ton chewing-gum!	Throw away your chewing gum!
Regarde la caméra!	Look at the cameral
Souris!	Smile!
Réveille-toi!	Wake up!
Ne fais pas çal	Don't do that!
N'oublie pas ta casquette!	Don't forget your cap!
Change ton attitude!	Change your attitude!

#### Semaine 2 r nour le concours

Se préparer pour le	concours
• Getting r	eady for the contest
Je/Tu dois	l/You must
remplir la fiche d'inscription	fill in the application form
participer au concours	take part in the contest
faire un clip vidéo	make a video clip
répéter tous les jours	rehearse every day
aller à l'audition	go to the audition
avoir confiance en moi/toi	be confident
Je/Tu peux/On peut	l/You can/We can
répéter chez moi/toi	rehearse at my/your place
faire du babysitting	babysit
Je ne peux pas.	I can't.
Si, tu peux!	Yes, you can!
Je vais t'aider.	l'il help you.
Je dois faire mes	I must do my
devoirs./J'ai trop de devoirs.	homework./I've got too much homework.
Je n'ai pas de caméra.	I don't have a carncorder.

## Semaine 4

Qui est le meilleur?	Who's the best?
Je pense que/qu'	I think that
II/Elle est	He/She is
le/la plus	the most
le/la moins	the least
ambitieux/ambitieuse	ambitious
arrogant(e)	arrogant
beau/belle	good-looking
modeste	modest
passionné(e)	passionate
professionnel(le)	professional
sûr de lui/sûre d'elle	confident
travailleur/travailleuse	hard-working
le meilleur/la meilleure	the best
II/Elle a	He/She has
le plus de talent	the most talent
la plus belle voix	the nicest voice
II/Elle a chanté faux/juste.	He/She sang off key/ in tune.

## Semaine 5

### Les rêves et les ambitions

### • Dreams and ambitions

J'aime gagner.	I like winning.
Je dois gagner.	I must win.
Je peux gagner.	I can win.
Je veux gagner.	I want to win.
Je voudrais gagner.	I'd like to win.
Je vais gagner.	I'm going to win.
le gagnant/la gagnante	the winner
unjour	one day
content(e)	happy

#### Semaine 7

	words
déjà	already
si	if
si	yes (when contradicting someone)
Tu as raison.	You're right.
Tu as tort.	You're wrong.
D'accord?	OK?
plus	more
moins	less
À mon avis,	In my opinion,
Pour moi,	For me,

## Semaine 6

Special Test : you will only translate from English into French. Revise the spelling of all vocabulary learnt in Trinity 1.

# Y8 Spanish T1

#### Trinity 2 – VivaLibro2– Mod5 Vocabulary Operacion Verano

Semana 1			
¿Qué casa prefieres?	Which house do y	ou prefer?	
Esta casa es	This house is	moderno/a	modern
Este piso es	This flat is	pequeño/a	smali
amplio/a	spacious	La casa/El piso está	The house/The flat is
antiguo/a	old	cerca de la playa	near the beach
bonito/a	nice	en el centro	in the centre
cómodo/a	comfortable	en la montaña	in the mountains
enorme	enormous	másque	morethan
feo/a	ugly	menosque	lessthan
grande	big	Prefiero	Iprefer
maravilloso/a	marvellous	porque	because

### Semana 2

La casa The hous	e		
Tiene	it has	una chimenea	a fireplace
una cocina	akitchen	unjacuzzi	ahottub
un comedor	a dining room	unjardin	agarden
un cuarto de baño	a bathroom	una piscina	a swimming pool
un dormitorio	abedroom	una terraza	a balcony, a terrace
un salón	alivingroom	vistas al mar	views of the sea

#### Semana 3

#### ¿Qué se puede hacer en...? What can you do in...?

Se puede(n)	You can	ir de paseo en bicicleta	go on a bike ride
hacersenderismo	go hiking	ir a la playa	go to the beach
hacer actividades	do water sports	ir al restaurante	go to the restaurant
náuticas		jugar al golf	play golf
hacer artes marciales	do martial arts	jugar al voleibol	play volleyball
ir a la bolera	go bowling	jugar al tenis	play tennis
ir al cine	go to the cinema	ver la catedral	see the cathedral
ir de compras	go shopping	visitar un castillo	visit a castle

### Semana 4

## ¿Dónde está...? Where is...?

la catedral	the cathedral	Dobla a la izquierda.	Turn left.
la estación de tren	the railway station	Toma la primera a	Take the first on the right.
el minigotf	the minigolf	la derecha.	
el parque de atracciones	the theme park	Toma la segunda a la	Take the second on the
el parque acuático	the water park	izquierda.	left.
la pista de karting	the go-kart track	Cruza la plaza.	Cross the square.

## Semana 5

el zoo	the zoo	Está a la derecha.	It's on the right.
Sigue todo recto.	Keep straight on.	Está a la izquierda.	It's on the left.
Dobla a la derecha.	Tum right.		
Opiniones	Opinions		
Megusta	Hike	Megustaría mucho	I would really like
Me encanta	Hove	Me encantaría	I would love

#### Semana 6

Expresiones de tiemp	o Time expressions		
ayer	yesterday	hoy	today
el fin de semana pasado	last weekend	mañana	tomorrow
el verano pasado	last summer	este fin de semana	this weekend
el año pasado	last year	el verano que viene	nextsummer
hace dos años	two years ago	el año que viene	nextyear

Palabras muy	(recurrices	High-frequency	words	
bastante	quite		está	itis
donde	where		muy	very.
esta/este	this		también	also, too

Special Test : you will only translate from English into Spanish Revise the spelling of all vocabulary learnt in Lent 2.

#### **Assessments: Speaking and Listening**