

### 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 in 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.

### <u>SUBJECT HOMEWORK</u>

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.

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.

### <u>HOMEWORK TIMETABLE</u>

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

Year 9	Subject 1	Subject 2	Subject 3
Monday	Maths	Option A	Option C
Tuesday	English	Option B	Option C
Wednesday	Maths	Religious Education	English
Thursday	English	Science	Option A
Friday	Maths	Languages	Option B

# <u>RETRIEVAL ACTIVITY IDEAS</u>

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 of check what you've missed. Next time focus on that missing information

ARNING - LOVING - LIVING

### USING FLASH CARDS SUCCESSFULLY

LEARNING - LOVING - LIVING

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



# <u>YEAR 9 — MICHAELMAS TERM- ENGLISH — WAR</u>



	Term	Definition		Term	Definition
1	Sardonic (adj)	grimly mocking in tone	23	Scathing (adj)	severely critical and scornful
2	Personification (n) personify (v)	giving human qualities to something not human	24	Visceral (adj)	something you feel in your gut
3	Symbolise (v) Symbolic (adj)	when something represents something else	25	Abhorrent (adj) Abhorrent (n)	inspiring disgust or hatred
4	Incongruity (n) incongruous (adj)	when things don't fit or lack harmony	26	Despondent (adj) Despondence (n)	in low spirits, desperate
5	Jingoism (n) Jingoistic (adj)	Extreme or aggressive patriotism	27	Baleful (adj)	dangerous and threatening
6	Demotic (adj)	denoting or relating to the kind of language used by ordinary people; colloquial.	28	Disconcerting (adj)	causing one to feel unsettled
7	Epizeuxis (n)	repetition of a word in immediate succession	30	Sombre (adj)	having or conveying a feeling of deep seriousness and sadness.
8	1776-1783	American Revolution (American fights Britain)	31	Sanctimonious (adj)	thinking you are morally superior to others
9	1860	Abraham Lincoln elected President of USA	32	Mundane (adj)	boring and tedious
10	1863	Gettysburg Address	33	Elated (adj) Elation (n)	extremely happy
11	1861-1865	American Civil War	34	Macabre (adj)	disturbing because concerned with death or fear of death
12	1899-1902	Boer War (South Africa)	35	Inevitable (adj) inevitability (n)	certain to happen, unavoidable
13	1914-1918	World War One	36	Insurrection	a violent uprising against a government or King
14	1939-1940	World War Two	37	Denounce (v) denunciation (n)	to publicly criticise
15	Repugnant (adj) Repugnance (n)	Disgusting and offensive	38	Tenacious (adj) tenacity (n)	determined
16	Motif (n)	Common idea repeated across a text	39	Significant (adj) significance (n)	important or worthy of attention
17	Ubiquity (n) Ubiquitous (adj)	Found everywhere, commonplace	40	Resolute (adj)	determined
18	Parody (n)	Copying in a hyperbolic or mocking fashion for comic effect	41`	Ostracise (v) ostracisation (n)	Exclude from society or group
19	Frivolous (adj) frivolity (n)	not having any serious value or purpose	42	Ignominy (n) ignominious (adj)	Public shame and humiliation
20	Apathy (n) Apathetic (adj)	lack of interest, concern or care	43	Dehumanise (v) dehumanization (n0	Treat someone like an object
21	Profound (n) Profundity (n)	very great, intense or important	44	Grotesque (adj)	Repulsive and ugly, perhaps comically ugly

# <u>YEAR 9 — MICHAELMAS TERM- ENGLISH — WAR</u>



	Term	Definition		Term	Definition
45	Poignant (adj)	Evoking a keen sense of sadness or regret	62	Judicious (adj)	Really carefully
	Poignancy (n)			Judiciously (adj)	
46	Nihilistic (adj)	Thinking that life is meaningless and pointless	63	Shrewd (adj)	Having sharp powers of judgment
	Nihilism (n)				
47	Deride (v)	Expressing contempt or ridicule	64	Paean (n)	A song of praise or triumph
	derision (n)				
	derisive (adj)				
48	Indignance (n)	Angered or appalled by something unjust or	65	Illicit (adj)	Against the law, illegal
	Indignant (adj)	cruel			
49	Disconcert (v)	Causing one to feel unsettled or on edge	66	Impediment (n)	To delay or prevent or obstruct something from happening
	disconcerting			Impede (v)	
	(adj)				
50	Inhumane (adj)	Cruel or brutal behavior	67	Bathos (n)	An effect of anticlimax when the mood of a text changes
	Inhumanity (n)				from serious to silly or vice versa
51	Serene (adj)	Calm, peaceful, tranquil	68	Colloquialism (n)	Familiar or everyday language: slang
	serenity (n)			colloquial (adj)	
52	Emancipate (v)	Set free, especially from legal, political or social	69	Forlorn (adj)	Pitifully sad or lonely
	emancipation	restrictions			
	(n)				
53	Benign (adj)	Gentle and kind	70	Dank (adj)	Unpleasantly damp and cold
54	Demagogue (n)	A political leader who appeals to popular	71	Triviality (n)	Of little value or importance
		desires and prejudices		Trivial (adj)	
55	Zeal (n)	Great enthusiasm and enjoyment and	72	Condemn (v)	Very strong disapproval
	Zealous (adj)	commitment to doing something		condemnation (n)	
56	Magnitude (n)	The size and scale of something	73	Pay homage to (v)	To show respect to someone
57	Momentous	Of great importance or significance	74	Secular (adj)	Not religious
	(adj)				
58	Sanguine (adj)	Optimistic and positive, especially in a bad	75	Apprehensive (adj)	anxious or fearful that something bad or unpleasant will
		situation		Apprehension (n)	happen.
59	Unequivocal	Leaving no doubt, unambiguous	76	Repress (v)	Using force to control people in a cruel manner
	(adj)			Repression (n) repressive	
				(adj)	
60	Subjugate (v)	To bring under control or dominate someone in	77	Odious (adj)	Unpleasant
	Subjugation (n)	an unfair or cruel manner			
61	Scourge (n)	A person or thing that causes great suffering	78	Elaborate (adj)	Complicated in design and planning

# YEAR 9 HIGHER— MICHAELMAS TERM - MATHEMATICS — FRACTIONS AND ALGEBRA



Important Ideas		QUESTION		ANSWER	Key Facts &	Formula
Keep Flip Change	$\frac{4}{7} \div \frac{2}{5}$	PERCENTAGE INCREASE Increase £400	0 by 12%	10 % = £40 and 1% = £4 So 12 percent = £40 + £4 + £4 = £48 Total = £400 + £48 = £448	Simple	Simple Interest (SI) is the same amount added on for each time period. SI = Principal x interest rate (decimal) x
The Percentage Multiplier	$\frac{1}{7}  X  \frac{2}{2} = \frac{10}{7} = \frac{1}{7}$ Turn the percentage into a fraction or a decimal	MIXED NUMBER ADDITION $1\frac{3}{5} + 2\frac{1}{3} =$		$\frac{8}{5} + \frac{7}{3} = \frac{24}{15} + \frac{35}{15} = \frac{59}{15} = 2\frac{14}{15}$	Interest vs Compound Interest	Compound interest (CI) you pay interest in the interest earned in previous years
	E.g. 5% = $\frac{5}{100}$ = 0.05	PERCENTAGE	CHANGE	20 – 15 5		
Compound Growth	and Decay	pencils in a pa	ack, now	$\frac{20}{20} x 100 = \frac{3}{20} x 100$		
This topic is simple if you <u>LEARN THIS FO</u> Amount after n days/hours/years Initial amount	le if you <u>LEARN THIS FORMULA</u> . If you don't, it's pretty well impossible: $N = N_0 \times (multiplier)^n$ Number of days/houre/years Initial amount Percentage change multiplier		y 15. hange	= 25% Answer 20% decrease	Expand & Simplify	2(4m + 3) + 3(5m + 2) 8m + 6 + 15m + 6
	26% decrease is 0.74 (= 1 - 0.26)	REVERSE	REVERSE			23m + 12
Vocabulary		RERCENTAGE         120% = ±240,000           A house increased in         20% = ±40,000		120% = £240,000 20% = £40,000		
Equivalent fractions	Fractions which are equal in value	value by 20% worth £240,0 was the origin	. It is now 100. What nal cost?	100% =£100,000	Factorise	Factorise 6x <sup>2</sup> – 9x
Reciprocal of a number	1 divided by that number. In other words when you swap the					The factorised expression is <u>3x(2x - 3).</u>
	numerator for the denominator.	MathsWatch References				
Variable or unknown	A letter or symbol used to represent a number; it can take any value	70-74	The four o	perations with fractions	Substitute	The velocity of a car is given by $\mathbf{v} = \mathbf{u} + \mathbf{at}$ , find value of v when u=10, a= -2 and t=4
Like terms	Separate parts of an expression which have exactly the same	111. 164	Simple & compound interest			v = 0 + 3xt v = 10 + -2x4 v = 10 - 8 v = 2
	variable and same powers	95	Substitutio	on		5e - 1 = 3e + 6
Expression	Made up of numbers and/or letters but no equal sign	135,137	Forming and solving equations		Solve	STEP 1: Subtract Se     -Se     -Se       2e - 1 = 6       STEP 2: Add 1     +1       2e = 7
Equation	Contains an 'equal' sign and at least one variable	94, 157	Factorising	g & Solving Quadratics		STEP 3: Divide by 2 +2 +2 e = 3.5

# <u>YEAR 9 HIGHER— MICHAELMAS TERM- MATHEMATICS — FRACTIONS, PERCENTAGES, RATIO AND PROPORTION</u>



Application of Methods		Application of Methods			Vocabulary	
Convert a mixed		To calculate a	Step 1: Turn the percentage into a d	lecimal.	Speed	The distance in km travelled in 60 minutes.
number into an improper fraction.	$4\frac{3}{5} = \frac{4\times5+3}{5} = \frac{23}{5}$	percentage of any amount you	$5.6\% \text{ of } \pm 200 = 0.056 \text{ x } 200$	00 = £11.20	kmph Density	The weight of an
Mixed Number	Whole number x denominator + numerator Original denominator	compound interest you	Step 2: The number of times you con Increase £200 by 6% for 4 years	a using compound interest.	g/cm <sup>3</sup>	cubic centimeter.
Convert an improper fraction in $\frac{13}{3}$	13 ÷ 3 = 4 remainder 1 over 3 = $4\frac{1}{3}$	To calculate compound decay	200 x 1.06 <sup>4</sup> Step 1: Turn the percentage decrease into a decimal and subtract this from one.         Step 2: The number of times you compound the interest becomes the power.         Decrease £300 by 12% for 5 years using compound decay.         300 x 0.88 <sup>5</sup> Step 1: Write the new value with the percentage change taken into account.		Pressure	The force in Newton's per meter squared.
Improper Fraction	<ul><li>Step 1: Work out how many denominators fit into the numerator exactly</li><li>Step 2: Leave the remainder over the original denominator.</li></ul>	you To find an original			Proportional	There exists a multiplier between two linked values. E.g. as one triples so does the
	Step 1: Turn the number into a fraction         percentage           Step 2: Turn the fraction upside down.         you		e given a Step 2: Work backwards to 100% (the original value) using proportional reasoning.			other so that they remain in proportion.
Reciprocal	$0.5 = \frac{1}{2}$ Reciprocal = $\frac{2}{1}$		A car is increased by 20% and now costs £2400	$\begin{array}{c} + 120 \\ + 120 \\ 1\% \\ 1\% \\ 100 \\ 100\% \\ 100\% \\ 100\% \\ \end{array} + 120 \\ + 120 \\ + 120 \\ 120 \\ 100 \\ \end{array}$	MathsW	atch References
То	$4\frac{2}{3} \times 1\frac{1}{4} = \frac{10}{3} \times \frac{1}{4} = \frac{30}{12}$ <b>Step 1:</b> Change both fractions into improper fractions	To work out value for money	<b>Step 1:</b> Find out the value per unit in using proportional reasoning	n order to compare two deals directly	25	Equivalent Fractions
add/subtract/m ultiply or divide	Step 2: Calculate a normal.		Step 2: Write a conclusion in words your conclusion.	using numbers as evidence to support	26	Simplifying Fractions
mixed numbers you			Deal 1 $\div 4 \downarrow \stackrel{\pounds 3}{1} \text{ for } 4 \text{kg} \downarrow \div 4$ $\pounds 0.75 : 1 \text{kg}$	Deal 2 + 8 ↓ £5 for 8kg ↓ + 8 = 0 625 · 1 kg	38 - 42	Ratio and Proportion
To change a	Step 1: Name the decimal X.		Deal 2 is better value for money as	s it is cheaper per kg since 0.625 < 0.75	70-74	+/-/x/÷ Fractions
recurring decimal to a	Step 2: Eliminate the recurring element by subtraction. Step 3: Make X the subject of the remaining elements to find the fractional equivalent of the original decimal	To work out the	Step 1: Set up a ratio of	Work out the encod if you travel 2/lim in 90 minutes	86-89	Basic percentages
fraction you	find the fractional equivalent of the original decimal.	speed of an object you	distance versus time taken. <b>Step 2:</b> Use proportional reasoning in order to make the time equal to 60 minutes. <b>Step 3:</b> Remember speed is the distance travelled in one hour.	Work out the speed if you travel 24km in 80 minutes         ÷ 4       24km : 80 minutes         ÷ 4       6km : 20 mins         × 3       Answer = 18kmph	106-111	Percentage change
	$- X = 0.3^{\circ}$ $X = \frac{3}{2} = \frac{1}{2}$				156	Mathematical reasoning
	$\div^99X = 3\div^9$ 9 3			18km : 60mins 149	164	Compound interest

# YEAR 9 FOUNDATION— MICHAELMAS TERM- MATHEMATICS — ALGEBRA



Important I	deas	QUESTION		ANSWER	KEY FACTS AND FORMULA		
BIDMAS	BIDMAS Brackets Indices (also known as orders or powers) Division Multiplication		3) <sup>2</sup>	= 3 x 5 + (4) <sup>2</sup> = 15 + 16 = 31		Simplify the following 1) $x + x + x + x + x = 5x$ 2) $5e - 2e + e = 4e$ 3) $4x + 2y - x + 5y + 6 = 3x + 7y + 6$ 4) $2x^2 + 5x + 2x^2 - 4x = 5x^2 + x$	
	Subtraction	SUBSTITUT	TION v of a car is given	v = u + a x t v = 10 + -2 x 4	Simplifying	4) $3x^2 + 3x + 2x^2 + 4x - 3x^2 + x$ 5) $5 x 4g = 20g$ 6) $3b x 4c = 12bc$	
Like Terms	Like terms contain the exact same variables, raised to the exact same powers E.g. 2a²b and 5a²b; but 7ab² would	by <b>v = u</b> of v when u	<b>i + at</b> , find value u=10,	v = 10 - 8 v = 2		6) 50 X 4C = 120C	
	not be considered a like term	a= -2 and t	=4			Evaluate 3a <sup>2</sup> when a = 5	
Simplify	nplify you collect together all the terms that are alike. Remember, each term comes with the sign in front of it		<b>ORMULA</b> t 15p each and 5p each. Write a r the total cost, <i>T</i>	Total cost = $15 \times x + 25 \times y$ T = $15 x + 25 y$	Substitution	3 x 5 <sup>2</sup> = 3 x 25 = 75 (Don't forget BIDMAS!)	
Vocabulary		pence, of x pencils and y pens.			Expanding Brackets single brackets	1) Expand 2(3m + 5) = $\frac{6m + 10}{2}$	
Variable	(or an <u>unknown)</u> is a letter used to ariable represent a number, these can take any values		SING FORMULA e subject of $C = 2\pi$	To isolate $r$ , divide by $2\pi$			
Terms	the separate parts of expressions. For example, in $5x + 3y - 4$ , there are three terms $5x + 3y$ and $-4$			$\frac{c}{2\pi} = r$		2) Expand $4r(2r - 3) = \frac{8r^2 - 12r}{r}$	
		MathsWatch References			Expand and Simplify:		
Expressions	is made up numbers and/or letters representing unknown values where there is no equals symbol. For example, 4a + 6 or	30, 59	Number machines, B	BIDMAS	Expanding Quadratics	Simplify the following 1) x + x + x + x + x = 5x 2) Se - 2e + e = 4e 3) 4x + 2y - x + 5y + 6 = 3x + 7y + 6 4) 3x2 + 5x + 2x2 - 4x = 5x2 + x 5) 5 x 4g = 20g 6) 3b x 4c = 12bc Evaluate 3a <sup>2</sup> when a = 5 3 x 5 <sup>2</sup> = 3 x 25 = 75 (Don't forget BIDMAS!) 1) Expand 2(3m + 5) = 6m + 10 2) Expand 4r(2r - 3) = 8r <sup>2</sup> - 12r Expand and Simplify: Expand and Simplify: Expand and Simplify: $i = 6x^{2} - 6x + 3x - 3$ $= 6x^{2} - 3x - 3$ $i = 6x^{2} - 3x - 3$ $j = 6x^{2} - 3x - 3$ $i = 6x^{2} - 3x - 3$ Then Multiply both sides of the equation by 5 i = 5(y - 3) = x	
	a + b	7,	Introduction to algeb	praic convention	~~~~~	$= 6x^2 - 6x + 3x - 3$	
	contains an 'equals' sign and at least one	66 Substitution				$= 6x^2 - 3x - 3$	
Equations	variable. A value can be found for the variable and this is known as solving the	34, 35 Simplifying expressions		. ·	Make x the subject of $y = \frac{1}{5} + 3$ . To isolate x, start by subtracting 3 from both		
equation		102	<b>102</b> Algebraic simplification		Rearranging Formula	sides $y - 3 = \frac{x}{5}$	
Formula	is a special type of equation which is a rule for working things out such as area	136, 190	Rearranging Formula	e		Then Multiply both sides of the equation by 5 $5(y-3) = x$ 8	

# <u>YEAR 9 FOUNDATION— MICHAELMAS TERM 2- MATHEMATICS — FRACTIONS, DECIMALS, PERCENTAGES, RATIO AND MEASUREMENT</u>



Important Ideas	Q& A	Q& A		Key Facts			
Fauivalent	Mixed number and $1\frac{3}{2} + 2\frac{1}{2} =$	addition	$\frac{8}{5} + \frac{7}{3} = \frac{24}{15} + \frac{35}{15} = \frac{59}{15} = 3\frac{14}{15}$		Units of M	easurement	
Fractions	5 3				Metric	Imperial	
	Answer: $3\frac{14}{15}$			Length	millimetre, centimetre, metre, kilometre	inch, foot, yard, mile	
2 4 16	What is 50% of £	284?	$\frac{50}{100} \times \frac{84}{1} =$		Kilometre		
Keep Flip Change $\rightarrow$ $\div$ Dividing Fractions $\div$ $\div$ $\frac{3}{4}$ $\div$ $\frac{1}{6}$ =	Answer: £42		$\frac{1}{2} \times \frac{84}{1} = \frac{84}{2} = \text{\pounds}42$	Mass	milligram, gram, kilogram	ounce, pound, stone	
keep change flip	John has £50 to s between himself	share f and his	Total Parts: 3 + 2 = 5	Capacity	millilitre, centilitre, litre	pint, gallon	
$\frac{3}{4}$ X $\frac{6}{1} = \frac{18}{4} = 4\frac{2}{4}$	sister in the ratio respectively. How	o 3:2 w much	METHOD 1 3 Parts: $\frac{3}{5} \times \frac{50}{1} = \frac{150}{5} = £30$	Converti	Converting Fractions, Decimals, and Percents		
Vocabulary	ME Answer: £30 3 Pa		Answer: £30 METHOD 2	I. Divide the numerator u	.25 convert to	Percent           I. Divide the numerator by the denominator.         .25 4) 1.00	
A <b>fraction</b> represents a part of a whole or, Fraction more generally, any number of equal parts.			One part: $\frac{3}{5} = \pm 10$ 3 Parts: 3 x $\pm 10 = \pm 30$	by the $\frac{-8}{20}$ $\frac{1}{4}$ 2. My point $\frac{-20}{0}$ $0.2$ $3. Acceleration \frac{-20}{0}$		<ol> <li>Multiply by 100 or move the decimal point two places to the right.</li> <li>0.25 x 100 = 25.00 or .25 = 25</li> <li>Add the percent symbol. 25%</li> </ol>	
				Percent	Decim	Fraction	
Ratio A <b>ratio</b> is a numerical comparison of 2 or more quantities.	MathsWatch References		I. Multiply by 100 or move the decimal point two places to the right.				
Metrics Units of measuring based on the meter, liter,	Fractions 2	24, 25, 26,	70, 71a, 71b, 72, 73, 74, 84, 85	$0.75 \times 100 = 7$ 0.75 = 7 2. Add the perce	5.00 or 5 ent symbol.	Remove the decimal point and make that number $0.75 = \frac{75}{100}$ the numerator.	
kilogram and second.	Percentage	85, 86, 87,	88, 89	0.75 = 75% 3. Reduce the first to lowest terms		Reduce the fraction $\frac{73}{100} = \frac{3}{4}$	
	Desimal	2 17 10 (		Fraction	Per	cent Decimal	
In the past, <b>imperial units of measurement</b> were used in the UK. The imperial system	Decimai	3, 17, 18, 0	56, 67, 84, 85	symbol and m number the r	nake that numerator. 40	1. Remove the percent symbol. 40	
Measurement has gradually been replaced by the metric system, which is easier to understand as it deals with tens, hundreds and thousands.	Conversion 1 of Units	112		<ol> <li>Use 100 as the denominator.</li> <li>Reduce the fit to lowest term</li> </ol>	$\frac{40}{100}$ raction $\frac{40}{100} = \frac{2}{5}$	2. Divide by 100 or move the decimal point two places to the left. $\frac{40}{100} = 0.40$ $40.0 = 0.40$	

### YEAR 9 - MICHAELMAS TERM - SCIENCE - ATOMIC STRUCTURE

1. Atoms, elements and compounds					
Atom		The smallest part of an element that can exist			
Element		Contains only one type of atom			
Compound		Two or more elements chemically combined			
3. Separating mixtures					
Mixtures	Two o	or more elements or compounds not chemically combined together			
Metho	d	Description			
Filtratio	on	Separating an insoluble solid from a liquid			
Crystallisa	tion	To separate a solid from a solution			
Simple distillation		To separate a solvent from a solution			
Fractional distillation		Separating a mixture of liquids each with different boiling points			
Chromatography		Separating substances that move at different rates through a medium			

### 



### 2. Chemical equations

Chemical equations	Show chemical reactions - need reactant(s) and product(s) energy always involves and energy change
Word equations	Uses words to show reaction reactants → products magnesium + oxygen → magnesium oxide
Symbol equations	Uses symbols to show reaction reactants $\rightarrow$ products $2Mg + O_2 \rightarrow 2MgO$

### 4. Atomic structure

Nucleus	Contains protons and neutrons				
Electron shells	Contains electrons				
Name of Particle	Relative Charge	Relative Mass			
Proton	+1	1			
Neutron	0	1			
Electron	-1	Very small			

### 5. Electronic structure

Electronic shell	Max number of electrons
1	2
2	8
3	8
4	2

stances that move at s through a medium		Pre 1900	Tiny solid spheres that could not be divided	Before the discovery of the electron, John Dalton said the solid sphere made up the different elements.
tomic model		1897 'plum pudding'	A ball of positive charge with negative electrons embedded in it	JJ Thompson 's experiments showed that showed that an atom must contain small negative charges (discovery of electrons).
	Most of the alpha particles passed right through. A few (+) alpha particles were deflected by the positive	1909 nuclear model	Positively charge nucleus at the centre surrounded negative electrons	Ernest Rutherford's alpha particle scattering experiment showed that the mass was concentrated at the centre of the atom.
nucleus. A tiny number of particles reflected back from the nucleus.		1913 Bohr model	Electrons orbit the nucleus at specific distances	Niels Bohr proposed that electrons orbited in fixed shells; this was supported by experimental observations.

# <u>YEAR 9 - MICHAELMAS TERM - SCIENCE - ATOMIC STRUCTURE</u>

7. The periodic table					
Mass number	The sum of the protons and neutrons in the nucleus				
Atomic number	The number of protons the atom	in	Number of electrons = number of protons		
Elements arranged in order of atomic number	Elements with similar properties are in columns called groups	Elei ele pei	ments in the same group have the same number of outer shell ectrons and elements in the same riod (row) have the same number of electron shells.		

LEARNING - LOVING - LIVIN				
8. Development of the periodic table				
before discovery of protons, neutrons and electrons	Elements arranged in order of atomic weight	Early periodic tables were incomplete, some elements were placed in inappropriate groups if the strict order atomic weights was followed.		
Mendeleev	Left gaps for elements that hadn't been discovered yet	Elements with properties predicted by Mendeleev were discovered and filled in the gaps. Knowledge of isotopes explained why order based on atomic weights was not always		

correct.

	9. Group 1 – Alkali metals					
netals	Very reactive with oxygen, water and chlorine	Only have one electron in their outer shell. Form +1 ions.				
Alkali r	Reactivity increases down the group	Negative outer electron is further away from the positive nucleus so is more easily lost.				

	Halogens	Consist of molecules made of a pair of atoms	Have seven electrons in their outer shell. Form -1 ions.
		Melting and boiling points increase down the group (gas → liquid → solid)	Increasing atomic mass number.
		Reactivity decreases down the group	Increasing proton number means an electron is more easily gained
		12 Transition motols (C	

10. Group 7 – Halogens

11. Group 0 – Noble gases				
gases	Unreactive, do not form molecules	This is due to having full outer shells of electrons.		
Noble	Boiling points increase down the group	Increasing atomic number.		

12. Transition metals (CHEMISTRY ONLY)				
Compared to group 1	<ul> <li>Less reactive</li> <li>Harder</li> <li>Denser</li> <li>Higher melting points</li> </ul>			
Typical properties	<ul> <li>Many have different ion possibilities with different charges</li> <li>Used as catalysts</li> <li>Form coloured compounds</li> </ul>			



1. Eukaryote and prokaryote cells					
	Animal cells				
	cytoplasm		site of chemical reactions in the cell	gel like substance containing enzymes to catalyse the reactions	
	nucleus		contains <b>genetic</b> <b>material</b>	controls the activities of the cell and codes fro proteins	
	cell membran	e	semi permeable	controls the movement of substances in and out of the cell	
	ribosome		site of protein synthesis	mRNA is translated to an amino acid chain	
	mitochondrio	n	site of respiration	where energy is released for the cell to function	
	Plan	t ce	ells contains all the pa	rts of animal cells plus extras	
	permanent vacuole		contains cell sap	keeps cell turgid, contains sugars and salts in solution	
	cell wall		made of cellulose	supports and strengthens the cell	
	chloroplast		site of photosynthesis	contains chlorophyll, absorbs light energy	
	Bacte	eria	I cells are much small	er than plant and animal cells	
$\bigcirc$	cell membrane	re	site of chemical eactions in the cell	gel like substance containing enzymes to catalyse the reactions	
S	bacterial DNA	n	ot in nucleus floats in the cytoplasm	controls the function of the cell	
0	cell wall		<b>NOT</b> made of cellulose	supports and strengthens the cell	
Y	plasmid	S	mall rings of DNA	contain additional genes	
$\bigvee$	cytoplasm		semi permeable	controls the movement of substances in and out of the cell	

2. Microscopes					
Feat	ure	Light (optical) microscope	El	ectron microsc	оре
Radiatio	n used	Light rays		Electron beam	IS
Max magn	ification	~ 1500 times		~ 2 000 000 tim	es
Resolu	ution	200nm		0.2nm	
Size of mic	croscope	Small and portable	Very	large and not p	ortable
Cos	st	~£100 for a school one	~£100 for a school Several £100,000 to £1 mi one plus		1 million
		PREFIXES			
Prefi	х	Multiple Standard form			form
centi (	cm)	1 cm = 0.01 m		x 10	-2
milli (n	nm)	1 mm = 0.001 m		x 10	-3
micro (	μm)	1 µm = 0.000 001 n	n	x 10	-6
nano (I	nm)	1nm = 0.000 000 001 m x 10 <sup>-9</sup>			-9
	magnification M = <u>size of image</u> real size of the object				

3. Cell cycle			
Stage 1	Growth	Increase the number of sub-cellular structures e.g. ribosomes and mitochondria.	
Stage 2	DNA Synthesis	DNA replicates to form two copies of each chromosome.	
Stage 3	Mitosis	One set of chromosomes is pulled to each end of the cell and the nucleus divides. Then the cytoplasm and cell membranes divide to form two cells that are identical to the parent cell.	

# <u>YEAR 9 — MICHAELMAS TERM- SCIENCE- CELL BIOLOGY PART 2</u>



4. Cell differentiation					
nerve	***	carry electrical signals	long branched connections and insulating sheath		
sperm	S	fertilise an egg	streamlined with a long tail acrosome containing enzymes large number of mitochondria		
muscle	0	contract to allow movement	contains a large number of mitochondria long		
root hair	-1	absorb water and minerals from soil	hair like projections to increase the surface area		
xylem	國等者相	carry water and minerals	TRANSPIRATION - dead cells cell walls toughened by lignin flows in one direction		
phloem		carry glucose	TRANSLOCATION - living cells cells have end plates with holes flows in both directions		

5. Cancer			
Benign tumour	Contained in one area of the body (usually by a membrane) – not cancer.		
Malignant tumourInvade tissues and spread to different parts of the body to form secondary tumours.			
<b>Carcinogens</b> and ionising radiation increase the risk of cancer by changing/ damaging DNA			

6. Stem cells				
Divides to form more cells of the same type, and can differentiate to form many other cell types.				
Human Embryonic stem cells	d	Can be cloned and made to differentiate into most cell types Therapeutic cloning uses same genes so the body does not reject the tissue. Can be a risk of infection		
Adult bone marrow stem cells	Car	n form many types of human cells e.g. blood cells		Tissue is matched to avoid rejection, risk of infection. Only a few types of cells can be formed.
Meristems (plants)	Ca typ	n differentiate into any plant cell e throughout the life of the pant.		Used to produce clones quickly and economically, e.g. rare species, crop plants with pest /disease resisitance
Treatment with stem cells may be able to help conditions such as diabetes and paralysis. Some people object to the use of stem cells on ethical or religious grounds				
		7. Respirati	on for er	nergy
Cellular respiration is an <b>exothermic</b> reaction which is continuously occurring in all living cells				
An organisi will receive the energy	n all it	For movement	To en anima	able muscles to contract in als.
needs for liv	ing	For keeping	To kee	ep a steady body temperature

in a cold environment.

smaller one.

To build larger molecules from

warm

For chemical

reactions

processes as a

result of the energy transferred

from

respiration

# <u>YEAR 9 — MICHAELMAS TERM- GEOGRAPHY — HAZARDOUS EARTH</u>



Volcanic Hazards				The structure of the Earth		Managing Volcanic Eruptions			
		Small pieces of pulverised rock and glass which are thrown into			me structure (			Warning signs	Monitoring techniques
Asn cloud		the atmosphere.		The	Varies in thickness (5-10km) beneath the ocean. Made up of several large plates.		Small earth	hquakes are caused as magma	Seismometers are used to detect earthquakes
Gas		Sulphur dioxide, water vapour and carbon dioxide come out of the volcano.		Crust			Temperatu	res around the volcano rise as	Thermal imaging and satellite cameras can
Lahar		A volcanic mudflow which usually runs down a valley side on the		the The	Widest layer (2900km thick). The heat and pressure means the rock is in a liquid state		activity increases.		be used to detect heat around a volcano.
Pyrocl	astic flow	A fast moving current of super-heated gas and ash (1000°C). They		ney le	that is in a state of convection.		when a voic	to release gases.	sensors used to measure sulphur levels.
r yi oci		travel at 450mph.						Prepa	ration
Volcanic bomb A thick (viscous) lava fragment that is ejected from the v		A thick (viscous) lava fragment that is ejected from the volo	cano. The Inner		Hottest section (50 of iron and nickel a	000 degrees). Mostly made and is 4x denser than the	Creating an exclusion zone around the volcano.		Being ready and able to evacuate residents.
Convection Currents				and outer	er crust. Inner section is solid whereas outer layer is liquid.		Having an emergency supply of ba		ic Trained emergency services and a good communication system.
The crust is divided into tectonic plates which are moving due to convection		Core				pr	ovisions, such as food		
	currents in the manue.		LIC CC. Lisk Fasthermalia 2010				Earthquake Management		
1	Radioactive decay	of some of the elements in the core and mantle	Causes			PREDICTING			
	generate a lot of l								
2	When lower parts of the mantle molten rock (Magma) heat up they become <b>less dense</b> and <b>slowly rise</b> .		The <u>magnitude 7.0 earthquake</u> was only <u>15 miles</u> from the capital Port au Prince. shallow focus of 13km deep.			With a very With a very Satellite surveying (tracks changes in the earth's surface) Iaser reflector (surveys movement across fault lines)			
3	As they move towards the top they cool down, become <b>more dense</b> and <b>slowly sink</b> .		Effects         Management           230,000 people died and 3 million affected.         Individuals tried to recover pe           Many emotionally affected.         Many countries responded wi           250,000 homes collapsed or were damaged.         rescue teams.           Millions homeless.         Heavily relied on international		Radon gas sensor (radon gas is released when plates move so this finds that)     Seismometer		gas is released when plates move so this		
4	These circular movements of semi-molten rock are convection currents				ed or were damaged.	rescue teams. Heavily relied on international a	id, e.g. \$330	Water table level (water levels fluctuate before an earthquake).     Scientists also use seismic records to predict when the next event	
5	Convection currer causes them to m	its create <b>drag</b> on the base of the tectonic plates and this ove.	Rubble bloc	ubble blocked roads and shut down ports. million from the EU. 98% of rubble remained after 6		will occur.			
	causes them to move.							PROTECTION	

### Types of Plate Margins

Destructive Plate Margin
When the denser plate subducts beneath the other,

friction causes it to **melt and become molten magma**. The magma forces its ways up to the surface to form a volcano. This margin is also responsible for **devastating earthquakes**.

#### **Constructive Plate Margin**

Here two plates are **moving apart** causing new magma to reach the surface through the gap. Volcanoes formed along this crack cause a submarine mountain range such as those in the **Mid Atlantic Ridge**.

#### **Conservative Plate Margin**

A conservative plate boundary occurs where plates **slide past each other** in opposite directions, or in the same direction but at different speeds. This is responsible for earthquakes such as the ones happening along the San Andreas Fault, USA.

#### What is a Natural Hazard

A natural hazard is a natural process which could cause death, injury or disruption to humans, property and possessions.

Geological Hazard	Meteorological Hazard
These are hazards caused by land and The tectonic processes.	ese are hazards caused by weather and climate.

#### Causes of Earthquakes

Earthquakes are caused when two plates become <u>locked</u> causing <u>friction</u> to build up. From this <u>stress</u>, the <u>pressure</u> will eventually be released, triggering the plates to move into a new position. This movement causes energy in the form of <u>seismic waves</u>, to travel from the <u>focus</u> towards the <u>epicentre</u>. As a result, the crust vibrates triggering an earthquake.

The point directly above the focus, where the seismic waves reach first, is called the **EPICENTRE**.

SEISMIC WAVES (energy waves) travel out from the focus.

The point at which pressure is released is called the FOCUS.

You can't stop earthquakes, so earthquake-prone regions follow these three methods to reduce potential damage:

- Building earthquake-resistant buildings
- Raising public awareness
- Improving earthquake prediction

#### HIC - CS: Eyjafjallajokull (E15) Eruption, Iceland 2010

#### Causes

The North-American and Eurasian plates move apart on a constructive plates.

The disruption caused by Eyjafjallajökull was the result of a series of small volcanic eruptions from March to October.

#### Effects

The **thick ice cap m**elted which caused major flooding. **No reported deaths.** Airspace closed across Europe, with at least **17,000** flights cancelled Costed insurers **£65m** to cancelled flights.

#### Management

Iceland had a good warning system with texts being sent to residents within 30 minutes. Large sections of European airspace were closed down due ash spread over the continent. Airlines developed ash monitoring equipment.



14

### <u>YEAR 9 — MICHAELMAS TERM- GEOGRAPHY — HAZARDOUS EARTH</u>

#### Global pattern of air circulation

					()		
Atmospheric circulation is the large-scale movement of air by which heat is distributed on the surface of the Earth.				Scientist believe that global war frequency and strength of tropic increase in ocea	Causes The heat wave was caused by an anticy in the area for most of August. This h		
Hadley cell         Largest cell which extends from the Equator to between 30° to 40° north & south.			POP ES	Management of	normally brings cooler		
Ferrel cell	Middle cell where air flows <b>poleward</b> between <b>60° &amp; 70°</b> latitude.	en en esta esta esta esta esta esta esta esta		Protection Preparing for a tropical storm may involve construction projects that will improve protection.	Aid Aid involves assisting after the storm, commonly in LIDs.	<ul> <li>People suffered from heat strokes and dehydration.</li> <li>2000 people died from causes linked to heatwave.</li> <li>Rail network disrupted and crop yields were low.</li> </ul>	
Polar cell	Smallest & weakness cell that occurs from the poles to the Ferrel cell.			<b>Development</b> The scale of the impacts depends	Planning		
	Distribution of Tropical Storms.	High and Low P	ressure	on the whether the country has the resources cope with the	emergency services ready to deal		What is Clim
They hu	are known by many names, including rricanes (North America), cyclones	Low Pressure	High Pressure	storm. Prediction	with the impacts.	Climate change is a large-scale, long- or average temperatures. Earth has times in its	
(in Asia	a). They all occur in a band that lies	and typhoons (Japan and East They all occur in a band that lies y 5-15° either side of the Equator. Caused by hot air rising. Causes Sinking. Causes clear		Constant monitoring can help to give advanced warning of a	Teaching people about what to do	Recent Evidence 1	
roug	thy 5-15° either side of the Equator.			tropical storm	in a tropical storm.	Global temperature	Average global temp 0.6°C since 1950.
		cloudy weather. and calm weather.		The intense winds of tropical sto     communities, buildings and con	Ice sheets & glaciers	Many of the world's the Arctic sea ice ha	
				<ul> <li>As well as their own destructive abnormally high waves called st</li> <li>Sometimes the most destructive cubecquert high case and fload</li> </ul>	Sea Level Change	Average global <b>sea l</b> 100 years. This is du thermal expansion.	
				subsequent nigh seas and hood		Enhanced Gree	
Formation of Tropical Storms The sun's rays heats large areas of ocean in the summer and autumn. This causes warm main air to die over the particular costs		<ul> <li>People are left homeless, which can cause distress, poverty and ill health due to lack of shelter.</li> <li>Shortage of clean water and lack of proper sanitation makes it</li> </ul>		Recently there has been an increase in These fuels (gas, coal and oil) emit gre atmosphere thicker, therefore trapping be reflected. As a result, th			
	Once the <b>temperature is 27°</b> , the ris	sing warm moist ai	r leads to a <b>low</b>	<ul> <li>easier for diseases to spread.</li> <li>Businesses are damaged or dest</li> </ul>		Evidence of n	
2	2 pressure. This eventually turns into a thunderste sucked in from the trade w		s causes air to be	Shortage of food as crops are da     Case Study: Type	Orbital Changes	Some argue that climate the Sun, and the way it w	
3	<ul> <li>With trade winds blowing in the opposite direction and the rotation of earth involved (Coriolis effect), the thunderstorm will eventually start to spin.</li> <li>When the storm begins to spin faster than 74mph, a tropical storm (such as a burricage) is afficially bere</li> </ul>		the rotation of eventually start	Causes Started as a tropical depression of	on 2 <sup>rd</sup> November 2013 and gained	Sun Spots	Dark spots on the Sun are amount of energy Earth
4			strength. Became a Category 5 <b>"super typhoon"</b> and made landfall on the Pacific islands of the Philippines.		Volcanic Eruptions	Volcanoes release large a can <b>block sunlight</b> and re	
	<ul> <li>With the tropical storm growing in power, more cool air sinks in the centre of the storm, creating calm, clear condition called the eye of the storm.</li> <li>When the tropical storm hits land, it loses its energy source (the warm ocean) and it begins to lose strength. Eventually it will 'blow itself out'.</li> </ul>		Effects	Management		Managing Cli	
5			ed the eye of the	<ul> <li>Aimost 6,500 deaths.</li> <li>130,000 homes destroyed.</li> <li>Water and sewage systems destroyed bad caused</li> </ul>	<ul> <li>Ine UN raised £190m in aid.</li> <li>USA &amp; UK sent helicopter carrier ships deliver aid remote areas</li> </ul>	Carbon Capture This involves new technology designed to reduce climate change.	
6			<ul> <li>diseases.</li> <li>Emotional grief for dead.</li> </ul>	Education on typhoon     preparedness.	International Agreements Countries aim to cut emissions by signing		

### NING - LOVING -NG

lone (areas of high pressure) that stayed locked any low pressure systems that and rainier conditions.

#### • The NHS and media gave guidance to the public. Limitations placed on water use

Management

- (hose pipe ban). Speed limits imposed on trains
- and government created 'heatwave plan'.

#### ate Change?

m shift in the planet's weather patterns ad tropical climates and ice ages many 5 billion years.

Recent Evidence for climate change.					
Global cemperature	Average global temperatures have increased by more than <b>0.6°C since 1950</b> .				
ce sheets & glaciers	Many of the world's glaciers and ice sheets are melting. E.g. the Arctic sea ice has declined by <b>10% in 30 years</b> .				
Sea Level Change	Average global <b>sea level has risen by 10-20cms</b> in the past 100 years. This is due to the additional water from ice and thermal expansion.				

#### enhouse Effect

humans burning fossil fuels for energy. nhouse gases. This is making the Earth's more solar radiation and causing less to Earth is becoming warmer.

	Evidence of natural change				
Orbital Changes	Orbital ChangesSome argue that climate change is linked to how the Earth orbits the Sun, and the way it wobbles and tilts as it does it.				
Sun Spots	Dark spots on the Sun are amount of energy Earth	e called Sun spots. They increase the receives from the Sun.			
Volcanic Eruptions	Volcanoes release large amounts of <b>dust containing gases</b> . These can <b>block sunlight</b> and results in cooler temperatures.				
	Managing Cli	mate Change			
Carbon Capture This involves redu	e new technology designed to ce climate change.	Planting Trees Planting trees increase the amount of carbon is absorbed from atmosphere.			
International A Countries aim international	greements I to cut emissions by signing deals and by setting targets.	Renewable Energy Replacing fossil fuels based energy with clean/natural sources of energy. 15			

#### Changing pattern of Tropical Storms

# YEAR 9 - MICHAELMAS TERM- HISTORY - C.1000-C.1500: CRIME, PUNISHMENT AND LAW ENFORCEMENT



Ang	lo Saxon Crime and Punishment	Key Words	Key Words			
1	Crime and Punishment were dealt with by local	18	King's Peace	Anglo-Saxons believed that it was the King's duty to take care of law and order, so people could go about their everyday lives knowing that the law would be upheld.		
	communities with some involvement of the King	19	Anglo-Saxon social structure	King, nobles, freemen and serfs.		
	and the Church. In 1066 a dramatic change	20	Treason	Betraying the King – for example, by helping his enemies, or plotting to kill or replace him.		
	occurred in England when William of Normandy	21	Crimes against the person	Crimes like assault or murder that cause physical harm to another person.		
	invaded. The new regime sparked challenges to	22	Crimes against property	Crimes like theft, robbery and arson, that involve taking or damaging something that belongs to another person.		
	continued, the growth of towns led to a rise in	23	Collective responsibility	Being responsible for the actions of other members of your group. In a village community if someone broke the law, it was up to everyone in the village to take action.		
	crime rates in some areas. This prompted new	24	Reeve	A local official, appointed from the community.		
	ideas about law enforcement. Throughout this	25	Abbeys	Communities of monks or nuns.		
	period, the church played an important part in	26	Moral crimes	Actions that didn't physically harm anyone, or their property, but didn't match up to society's views on decent behaviour: for example, having sex outside of marriage, or not sticking to the rules and customs of the church.		
	defining and enforcing the law.	27	King's shire reeve	A man who was appointed locally to bring criminals to justice. The term 'shire reeve' later turned into the word 'sheriff'.		
Кеу	events	28	Tithing	Made up of 10 men over the age of 12. All were responsible for the behaviour of each other. One man from each tithing had to meet regularly with the shire reeve.		
2	954 – English kingdoms unite under one king.	29	Hue and cry	Shouting for help if a crime had been committed. Everyone who heard it was expected to bring chase and capture the suspects.		
3	<b>1066</b> – William I is crowned King of England.	20	Potty thaft	Staaling small, low value items		
4	1066-1087 – Resistance to William's rule was put	21	Maiming	Causing similar, low value nems.		
	down brutally.	32	Oath	county prysical many remnant course parameters by name of a control of the county of the course of t		
5	1072 – Forest Laws are introduced.	33	Trial by ordeal	A way of testing whether the accused was innocent or guilty in the eyes of God.		
6	1086 – Domesday Book.	34	Trial by hot iron/ hot water	Heat was used to burn one of the accused's hands which was then bandaged. If the burn healed well, the accused was innocent.		
7	1154 – Henry II became King.	25	Trial by cold water	The accused was thrown into cold water with their arms tied. Anyone who floated was judged quilty		
6	<b>1164</b> – Constitutions of Clarendon. Henry II	35	Wergild	The access was shown in the construction of the state of		
	reorganised the courts and set up prisons for those	37	Capital nunishment	The death penalty		
	awaiting trial.	38	Corporal Punishment	A range of punishments that caused harm or pain to the body – including being beaten or having body parts removed.		
8	1194 – Coroners are introduced.	50		······································		
9	1215 – Trial by ordeal ends.	39	Retribution	A severe punishment, meant to match the severity of the crime.		
10	1348 – Black Death reaches England	40	Deterrent	A punishment that is frightening or painful and designed to put other people off committing the same crime.		
11	1485 – Henry Tudor becomes King Henry V/11	41	Stocks and pillory	The pillory secured the arms and neck. The stocks secured the ankles. In full view, in bad weather for days on end, rubbish would be thrown at the accured and varbal abuse.		
		42	Castles	accused and version addse. Built by the Normans to keep a careful watch on communities and to look intimidating.		
Кеу	Concepts	43	Feudal system	Everybody owed money or service to the class above them.		
12	<b>Rural population</b> – 90% of people lived in the countryside.	44	Murdrum	If the murderer was not found, then a large sum of money had to be paid by the hundred where the body was found.		
13	During the Anglo-Saxon period. the power and	45	Forest Law	All common land was now strictly controlled by the King.		
	influence of the King over crime and punishment	46	Poaching	Illegal hunting on land that belongs to someone else.		
	grew. The role of the Catholic Church grew too and	47	Outlaw	Any man aged 14 and over who tried to avoid trial and punishment by running away from his community. They could be killed without ay legal consequences for the person responsible.		
	they wanted to give criminals opportunities to save	48	Folville gang	A group of upto 50 outlaws who operated in England in the C14th.		
	their souls. The use of punishments, including	49	King's mund	All men under the Normans should expect to live safe from crime under the authority of the King.		
15	capital punishment, grew.	50	Brand	Make a mark on a criminal by burning their flesh with hot iron. They would now permanently stand out as a criminal.		
15	This was a way of boosting the visible power of the	51	Trial by combat	The two combatants fought to the death or until one gave in. It was usually used to settle disputes over money or land.		
	King.	52	Statute of Labourers	Made it a crime to ask for higher wages.		
16	In the later Middle Ages, there was a shift away	53	Heresy	Made disagreeing with the teachings of the church a crime.		
	from local communities dealing with crime in their	54	Secular	Non religious		
	area towards a system where crime was dealt with	55	Clergy	People who work for the church including priests.		
	by government appointed officials.	56	High treason	Plotting to kill or betray the King.		
17	The church was an extremely powerful institution	57	Hanged, drawn and	Semi strangled, then revived, abdomen cut open, intestines drawn out and limbs severed and displayed.		
	which controlled people's thought and actions.	E 0	quartered	Ordered to leave the country		
		59	Trial of consecrated bread	The priest had to pray and ask that when he ate a piece of consecrated bread, the bread would choke him if he lied about the crime of which he was		
				accused. 16		

# <u>YEAR 9 — MICHAELMAS TERM- HISTORY - C.1500-C.1700 CRIME, PUNISHMENT AND LAW ENFORCEMENT</u>



Early I	Modern England Crime and Punishment					
1	Between c.1500-c.1700, there were wide ranging social, religious and political					
	changes in England. Religion became more volatile after Henry VIII's divorce. Many					
	religious activities were now viewed as religious crimes. The Gunpowder Plot					
	increased fears around religious conflict in England. The English Civil Wars also led to					
	great instability. The C17th saw persecution for witchcraft and during this period, the					
	ruling elite continued to use the law to protect their own position in society.					
	Punishment became barsher and more varied					
Key ev	vents					
2	1509-47 – Reign of Henry VIII.					
3	1547-53 – Reign of Edward VI.					
4	1547 – Vagrancy Act – An able bodied vagabond who was without work for more thar					
	3 days was to be branded with the letter V and sold as a slave for 2 years.					
5	1553-58 – Reign of Mary I.					
6	1558-1603 – Reign of Elizabeth I.					
7	1597 – Act for the Relief of the Poor – included harsh punishments to act as a					
0	deterrent to vagrants.					
8	<b>1601</b> - Poor Laws aimed to make all local parishes provide poor relief for anybody who					
9	1603-25 – Reign of James I					
10	1605 – Guppowder Plot					
11	<b>1606</b> – Ponish Pocusants Act – forced Catholics to take an eath of allegiance to the					
11	English Crown					
12	1653-1658 – Rule of Oliver Cromwell as Lord Protector.					
13	<b>1671</b> - Game Act – poaching was illegal.					
14	<b>1688</b> – 50 capital crimes.					
Key Co	poncepts					
15	Religious changes in the C16th led to new and changing definitions of criminal					
	activity.					
16	Economic changes led to an increase in unemployment and vagrants and a suspicion					
	of the poor by the upper classes.					
17	Poaching and smuggling were seen to be 'social crimes'.					
18	The <b>population grew dramatically</b> , from 2.5 million in 1500 to 5 or 6 million by 1700.					
10	Urban areas grew too.					
19	Between 1500 and 1700, law enforcement was similar to now it had been in the					
	and finding suspects					
20	Growth of towns and rising crime rates meant that a new co-ordinated approach to					
20	enforcing law was needed.					
	<b>C</b>					

	La a co				
22	Martin Luther German monk who protested against the Catholic Church.				
23	Reformation	The change from Catholicism to Protestantism.			
24	Heretics	People who had a different religion to the monarch.			
25	Treason	To challenge the authority of the monarch and their authority as Head of the Church of England.			
26	Burned at the stake	Tied to a wooden post and a fire lit beneath the victim.			
27	Middle Way	The attempt of Elizabeth I to create a Protestant Church that was not too challenging to Catholic traditions.			
28	Act of Uniformity	Everyone had to go to church on Sundays and holy days or pay a fine.			
29	Recant	Make a public statement that you have changed your religious beliefs.			
30	Excommunicate	Eject from the Catholic Church.			
31	Fox's Book of Martyrs	Published I 1563, it describes the persecution of Protestants by Catholics under the reign of Bloody Mary (Mary I).			
32	Vagabonds/Vagrants	Unemployed and homeless people who left their village or town in search of work.			
33	Deserving Poor	Elderly and disabled.			
34	Undeserving Poor	Those fit to work but did not.			
35	Poor Relief	Financial assistance for the poorest members of society.			
36	Enclosed	Fenced off for the exclusive use of the landowner.			
37	Import Duties	Taxes payable on goods imported into the country.			
38	Smuggling	Sneaking good into the country to avoid import duties.			
39	Decriminalise	Make an activity legal, or no longer a crime.			
40	Puritan	A radical Protestant.			
41	Protectorate	The period that Oliver Cromwell was in charge.			
42	Night watchman	Early form of policing. Worked for the town constable who was employed by the town authorities.			
43	Thief takers	Paid a reward for catching a criminal and delivering them to the law.			
44	Jonathan Wild	An infamous thief taker in London who secretly led a gang of thieves who claimed rewards when the handled stolen goods.			
45	Bridewell Prison Built in 1556 and used to punish poor people who had broken the law.				
46	Capital Crime A crime that is punished by the death penalty.				
47	Pardon	When a person is let off punishment for a crime of which they have been convicted.			
48	Bloody Code	Harsh attitude to law making. Many crimes were punishable by death.			
49	Transportation	Being sent away from England to serve a period of punishment in a colony abroad.			
50	Colonies	New settlements in foreign lands – often taken by force from the original inhabitants.			
51	Plead for belly	Pregnant women condemned to death asked to be allowed to live until the baby was born.			
52	Rehabilitation	Help someone return to normal life and society after they have committed a crime.			
53	Conspirator	Someone who is involved in a conspiracy – a secret plan to do something illegal.			
54	Pact	A formal agreement.			
55	Demonologie	Book published in 1597 by James I about the nature of Hell and witches.			
56	Superstition	Belief based on old ideas about magic rather than reason or science.			
57	Matthew Hopkins	A self proclaimed Witchfinder General who hunted down witches in the East of England.			
58	Familiars	Animals who worked for the devil and witches.			
59	Swimming Test	Involved drowning the accused. The guilty would float and the innocent would sink.			
60	Enlightenment	Philosophical movement of the C17th and C18th that focused on the use of reason to question and analyse ideas that were providually taken for granted			
61	Royal Society	Established in London in 1660 and brought together thinkers and scientists from a wide range of			

# <u>YEAR 9 — MICHAELMAS TERM- RELIGIOUS STUDIES - CHRISTIAN BELIEFS</u>

#### Box 1: Key Words

Monotheistic: A religion which believes in one God Holy: Separate and set apart for a special purpose by God **Omnipotent:** Almighty – unlimited power Benevolent: all-loving Justice: what is right and fair Trinity: God the father, Son and Holy Spirit Holy Spirit: Gods presence in the world The Word: Jesus – as described in the book of John Genesis: The first book in the bible which has the creation story in it Incarnation: God in human form – Jesus. Resurrection: coming back from the dead Blasphemy: saying or doing something which goes against God Crucifixion: Roman method of execution where a person is nailed to a cross Ascension: 40 days after the resurrection when Jesus returned to God in heaven Afterlife: What happens when you die Day of Judgement: God will judge all souls at the end of time Heaven: Eternal happiness, being in the presence of God Hell: Eternal suffering, absence of God Purgatory: Catholic belief in which souls are cleansed in order to enter heaven Sin: Any action against God Original Sin: first sin in the world committed by Adam and Eve which means all humans are born with this in them Salvation: saving the soul from sin and going to heaven thanks to Jesus' sacrifice Grace: A guality of God which shows to humans that God loves them which they don't need to earn Forgiveness: pardoning someone for their wrong doing Atonement: restoring the relationship between people and God through the life, death and resurrection of Jesus Theodicy: A religious explanation for the existence of evil and suffering

# LEARNING - LOVING - LIVING

### Box 2: God as omnipotent, loving and just

Christians believe **God is all-powerful**. He has unlimited power and can do anything.

"Nothing is impossible with God"

**God is all-loving** he loves humans so wants what is best for them. Guidelines are given for us to live the best lives we can. Christians should love each other treating everyone with care and respect. *"God so loved the world he gave his one and only Son..."* God has unlimited power and authority with complete love and therefore gives justice is a fair way. Christians should try and bring about fairness in the world.

#### Box 3: The Oneness of God and the Trinity

Christians believe that the Trinity is made up of God the father, the son and the holy spirit. They believe God is three in one. There are not three Gods, but different forms of the same thing.

### **Box: 4 Different Christian beliefs about Creation**

Creation in Genesis 1:1-3 - God created the world in 6 days and rested on day 7. *"In the beginning God created the heavens and the earth"* God created the perfect world in the beginning. *"it was good"* Creation in John 1:1-3 – *"In the beginning was the word....through him all things were made..."*. The word refers to Jesus and therefore he was present at the beginning of the world and involved in the creation of the world. This also shows the importance of the trinity being involved in the whole creation.

#### Box 5: The inconsistent Triad

Some people believe that you cannot have an all-loving God, who is all-powerful who allows evil and suffering to exist. Christians believe that God is transcendent (beyond our understanding) and therefore they can trust God when things in the world are not right. Christians have put forward a number of theodicies to attempt to address the inconsistent triad, such as life is a test and free-will.

#### Box 6: The Incarnation of Jesus - The Son of God

The Christmas story is the account of Jesus' birth. Some belief that this story shows Jesus had an ordinary birth as someone who was fully human, however was fully God as it says in the bible he was born through the immaculate conception. *"before they came together, she was found to be pregnant through the Holy Spirit"*. This is proof to Christians that Jesus was incarnate. Through the incarnation God showed himself as a human. *"The word became flesh and made his dwelling among us"*. God in human form makes it easier for some to understand his actions, including miracles and resurrection. Jesus is known as the Messiah or special leader. When Jesus was baptised God said, *"You are my son"*. Jesus was asked whether he was the Son of God, he replied, *"I am"* 

#### **Box 7: The Crucifixion**

It is believed that Jesus was arrested, tortured and then put to death by Pontius Pilate through crucifixion. As Jesus was fully human he suffered pain as an ordinary human did.

"Father, into your hands I command my spirit" Jesus forgave the guards who crucified him and one of the criminals who was crucified next to him, "You will be in paradise with me this day". One of the Roman centurions said, "Surely this is the Son of God".

The crucifixion influences Christians today by accepting Jesus sacrifice they can be forgiven for sin and go to heaven. They can acknowledge that suffering is a part of life and God can understand what it is like for someone to suffer.

#### Box 8: The Resurrection and ascension

Jesus was buried in a tomb and left there until Easter Sunday because it was the Sabbath no-one could touch the body until after this. When Mary Magdalene returned to the tomb it was open and empty. An angel appeared and said Jesus had risen from the dead.

The resurrection is one of the most important parts of Christianity as it proves Jesus was divine and not just a human. For the next few days and weeks Jesus appeared to several people including his disciples to tell them to spread the news that he had risen and that they should continue his message.

The ascension happened 40 days after the resurrection when Jesus went up to heaven. "He left them and was taken up into heaven." He told his disciples to carry on his teachings, "Go and make disciples of many nations, baptising them in the name of the father, Son and Holy Spirit".

The significance for Christians today is it shows the power of good over evil and that they can be resurrected and therefore shouldn't fear death. God will forgive sins and they can become closer to God. The holy spirit will be there to guide and comfort. The resurrection gives the point to the Christian faith.



#### Box 9: Sin and Salvation

Sin separates humans from God, this can be anything that goes against God or his laws. As humans are not perfect it is impossible not to sin. Christians believe that all are born with sin in them known as Original sin. This is due to Adam an Eve disobeying God and eating the fruit from the tree of knowledge. This action separated humans from God and brought about death into the world. They were tempted by the serpent (devil) and Christians believe that Christians are tempted in life to do bad things.

Christians have freewill however they should use this to make the right choices using God and Jesus' teachings to guide them, e.g. The Ten Commandments.

Salvation means to be saved from Sin and its consequences, e.g. going to hell. Sin separates us from God and salvation saves us from this. This salvation comes through faith in God and Grace through faith in Jesus.

### Box:11 The afterlife and judgement

Christians believe there is another life. Christians believe that they have eternal life but what happens to them depends on their belief in God. Judgement will happen at death or at the day of judgment.

The Apostles creed says, "...he will come to judge the living and the dead ... "

The parable of the sheep and Goats shows how people will be judged by God. The sheep are the good and the goats the bad, going to heaven and hell.

Jesus also said, "I am the way the truth and the life, no-one comes to the Father expect through me." Treating others well and believing in God is important to guarantee a good afterlife.

#### Box 10: The role of Christ in Salvation

Salvation is offered through Jesus, *"For the wages of sin is death, but the gift of God is eternal life in Christ Jesus"*. Jesus' death makes up for original sin. Humans can receive forgiveness for their sins because of Jesus' death and then receive eternal life. His sacrifice provides atonement, which means our relationship with God is restored. This removes the effects of sin and allows humans to get back to God.

"He is the atoning sacrifice for our sins and for the sins of the whole world". Jesus paid the price for the sin of all mankind through his death and Christians believe if you put your trust in him you can receive eternal life with God. Salvation is a gift you must choose through belief in Jesus and following his teachings.

#### Box 12: Heaven and Hell

Based on judgement Christians believe that people will go to heaven or hell depending on how they behave and whether they have a belief in Jesus. Heaven is seen as being with God and eternal happiness where there is no suffering. Hell is seen as eternal torment or suffering and being absent from God and where the Devil is.

Some Christians believe that Heaven is a literal, real place you will go. Other Christians believe it is just being with God, in the same way hell may not be actually real but an absence of God.

In the book of revelation it mentions people who go to hell will burn in a lake of fire.

Catholics believe in a place called purgatory in which your soul goes to be cleansed as no-one is ready yet to go to heaven as as humans we are all imperfect.

#### Box 1: Key terms

- 1. Multicultural Society: a society that is made up of people from a range of cultural and religious backgrounds. National identity: an identity associated with being a citizen of a particular country.
- 2. Identity: characteristics/qualities that make a person who they are e.g. age, gender, religion, regional location, job etc.
- **3.** Multiple Identities: an individual assumes a range of identities i.e. part of a family, the area they come from' linked to a school or a supporter of a football team etc. Britishness: the state of being British, or qualities that are considered typical of British people.
- 4. National Identity: identity associated with being a citizen of a specific country e.g.
- 5. English identity or Scottish identity. Discrimination: unfair treatment of others based on their race, gender, sexuality, age, disability, religion etc.
- 6. Prejudice: to pre-judge, have an unreasonable dislike for a person or group of people, view not based on experience. Stereotyping: a generalized view about a group of people linked to a personal characteristic e.g. hair colour, where they live, their way of life etc.
- 7. Equality Act (2010): law which legally protects people from discrimination in the workplace and in wider society.
- 8. Immigration: the act of someone moving into another country. Immigrant: a person who moves into another country to live, with the intention of staying there permanently.
- 9. Migration: the movement of people from one country to another some moving in and others moving out.
- **10. Net Migration:** the difference between the total number of people in and out of an area over a given period of time. If more people in the figure is a plus and if more people leave the figure is a minus. Community Cohesion: working towards a society where everyone shares a sense of belonging and common values people live together peacefully and everyone feels valued.



### Box:3 Pattern of Migration to the UK

After World War II Britain needed people to come and fill job vacancies as many men had lost their lives in World War II. People from Republic of Ireland and from the former British Empire especially India, Bangladesh, Pakistan, the Caribbean, South Africa, Kenya and Hong Kong were given the opportunity to migrate to Britain.

LEARNING - LOVING - LIVING

By 1972, legislation meant that a British passport holder born overseas could only settle in Britain if they, firstly, had a work permit and, secondly, could prove that a parent or grandparent had been born in the UK. Freedom of movement and residence for persons in the EU was established by the Treaty of Maastricht in 1992.

#### Box 4: Key terms

- 1. Justice: A behaviour or treatment that is morally fair. Different countries can have different opinions about what justice is.
- 2. Human Rights: basic rights and freedoms all humans are entitles to. Since WWII these have been written into a large number of international charters. Civil Liberties: rights and freedoms that protect and individual citizen from the state. Civil liberties set limits on what a government can do so it cannot abuse its powers or interfere too much in the lives of private citizens.
- 3. Duties (Responsibilities): as well as being give rights as a citizen, states expects citizens to perform certain duties e.g. follow laws, in time of war a nation may recruit citizens into the armed forces.
- 4. International Criminal Court: set up in 1998 to try persons accused of 'crimes against humanity' or war crimes. 120 nations agreed to work with the court.
- 5. European Arrest Warrant: allows a police force in one country to ask a police force to arrest someone in another country.
- 6. Barrister: specialist in a narrow area od the law and are employed by solicitors on behalf of their clients to represent them in higher courts.
- 7. Citizens Advice: community based charity that gives help on advice including legal advice.
- 8. Civil Law: law that deals with disputes between individuals or groups. There are civil courts which award damages (a money payment) or can make court orders which state that certain actions should be taken (a divorce for example).
- 9. Criminal Law: law that deals with individuals who break the law, as determined by the state. Police gather evidence and make arrests. The state prosecutes in a criminal court where juries decide whether an individual is innocent or guilty and judges decide on the sentence to be given.
- **10.** Solicitors: legally qualified people who advise clients on a range of issues, such as divorce, buying a house, making a will, and criminal matters. They represent clients in lower courts, and prepare cases for barristers to try in higher courts. (Like going to your GP if you feel ill)

**Human Rights Act (1998)** - a UK law passed in 1998. It means that you can defend your rights in the UK courts and that public organisations (including the Government, the Police and local councils) must treat everyone equally, with fairness, dignity and respect.

### 3 main effects:

**1.** Incorporates the rights set out in the European Convention on Human Rights so if your human rights are breached you can take your case to a British court rather than having to go to the European Court of Human Rights (ECHR) in Strasbourg, France.

**2**. It requires all public bodies (courts, police, state schools, hospitals, local councils) to respect and protect your human rights.

**3.** Parliament will try and make sure new laws are compatible (matched) with the rights set out in the European Convention on Human Rights.

#### Box 6: European Convention on Human Rights (1950)

EARNING - LOVING - LIV

A treaty that was drafted in 1950. Each of the numbered "articles" protects a basic human right. They allow people to lead free and dignified lives. 47 states, including the UK, have signed up. That means that the UK commits to protecting the Convention rights. If a person's rights are being breached, and they can't get a solution in the UK under the Human Rights Act, the Convention lets them take their case to the European Court of Human Rights (ECHR). **Note:** the ECHR is not part of the European Union (EU) –so even if we left the EU we would still be covered by ECHR decisions.



Box 7: Laws and Legislation
Common Law:

Law based on judges rulings in court. Common law develops over time to deal with ever-changing situations in society. Judges create Common Law by giving a written judgment about the case before them.

#### Statute Law or Legislation:

Law passed by Parliament. This law is written down in Acts of Parliament. For example, a Road Traffic Act might define speed limits and punishments given for

Lord Chief Justice	The most senior judge in the UK: the head of an independent judiciary			
President of the Supreme Court	Head of the UK's highest domestic appeal court			
Justices of the Supreme Court	Judges who hear civil and criminal appeals in the UK's most senior court			
Senior President of Tribunals	The head of the judges in the UK Tribunal Service			
Master of the Rolls	President of the Court of Appeal (Civil Division)			
Chancellor of the High Court	The head of the Chancery Division of the High Court			
President of the Family Division	Head of Family Justice			
President of the Queen's Bench Division	Also the Deputy Head of Criminal Justice			
Lord Justices of Appeal	These judges hear appeal cases in the civil and criminal divisions of the Court of Appeal			
High Court Judges	These judges may hear trial and appeal cases in the High Court, sit on some appeals in the Court of Appeal and judge serious cases in Crown Court trials			
Circuit judges	These judges hear criminal cases in Crown Courts and civil cases in the County Courts			
Recorders	These judges work part time hearing criminal cases in the Crown Court and civil cases in County Courts. These judges are qualified barristers or solicitors			
District judge	These judges hear the bulk of civil cases in the county courts			
District judge (Magistrates' Court)	These judges deal with the most complex cases in a Magistrates' Court			
Tribunal judges	These judges deal with most cases brought before tribunal hearings; they often sit with lay members			
Magistrates	Magistrates are volunteers from the local communities who agree to sit and dispense justice in Magistrates' Courts. They are also referred to as Justices of the Peace (JPs). They receive training and are supported by legal advice in the courtroom. They normally sit as a 'bench' of three magistrates. In 2014, there were 22,214 magistrates.			

lssue	Civil Law	Criminal Law
Case brought by	Individual or group or organisation	CPS on behalf of the state
Decision	Defendant found liable in regard to the issue.	<b>Defendant</b> is <b>convicted</b> if found <b>guilty</b> or <b>acquitted</b> if found <b>not guilty</b>
Proof required	Evidence must be provided that supports the claim being made.	Beyond reasonable doubt
Burden of proof	The <b>claimant</b> must give the proof to support their claim.	The accused is <b>innocent until proven guilty</b> . The prosecution must prove their case; the accused does not have to prove their innocence.
Punishment	<b>Damages, compensation</b> or an <b>injunction</b> (an order to stop taking an action)	Non-custodial or custodial sentence if found guilty.
Appeal	Either party can appeal a court's decision.	Defendant may appeal against a court's verdict in regard to either the verdict or the sentence.

# YEAR 9 — MICHAELMAS TERM- GCSE PHYSICAL EDUCATION- FITNESS COMPONENTS AND TESTING



Components o	of Fitness (skill &health related)	Fitness Testing			
1. Balance	is the ability of the performer to retain	Name of Test	Component it tests	Protocol – how to carry out the test	
	support without falling Static – when still, Dynamic – whilst moving	11. Illinois	Agility	Performers start at the first cone. On the whistle pupils should follow the course in the diagram and finish at the end cone. Performers are timed from start to finish.	
2. Agility	is the ability to change direction with speed	12. Stork	Balance	Athlete lifts the right leg, places the sole of the right foot against the side of the left kneecap. The athlete raises the heel of the left foot to stand on their toes. The athlete is timed holding this position for as long as possible.	
3. Cardiovascular Endurance	The ability of the heart and circulatory system to meet the demands of the body for a long period of time	13. Multistage fitness	Cardiovascular Endurance	20 metre distance to be marked out with cones. Athlete must arrive at the cone before the beep and wait. On the beep the athlete can resume running. The level and number of shuttles are recorded.	
	parts at the same time	14. Wall Toss	Coordination	Athlete is to stand 2 metres from a wall. A tennis ball is thrown with their right hand against the wall and caught with the left	
5. Flexibility 6. Muscular	The range of movement at a joint The ability to use voluntary muscles, over			hand and caught with the right hand. This cycle of throwing and catching is repeated for 30 seconds. The number of catches is recorded.	
Endurance	long periods of time without getting tired	15. Sit & Reach	Flexibility	Legs straight with feet touching the box. Push marker as far as possible without	
7. Power	The combination of speed or strength			bending your knees.	
8. Speed	is the time taken over a set distance.	16. Sit Up Bleep	Muscular Endurance	Athlete performs sit ups in time with the bleep test signals to the point of exhaustion. The level of fitness reached depends on the level reached.	
9. Reaction Time	The time between the presentation of a stimulus and movement	17. Vertical Jump	Power	Performers to reach up to highest point without going onto tiptoes. Jump vertically and touch highest point on the wall/board. The score is the difference between the 2 measurements	
10. Strength	events that take a long period of time to complete. i.e. Rowing action Maximal: The greatest force that is possible in a single maximum contraction	18. Ruler Drop	Reaction Time	A ruler is held by the assistant between the outstretched index finger and thumb of the athlete's dominant hand. Ensure the top of the thumb is level with the zero centimetre line on the ruler. Ruler is released and measurement (cm) is taken from the point caught on the ruler.	
	<b>Explosive</b> : This type of strength comes about when a burst of maximum effort is required. e.g. Kicking a ball or striking a tennis ball during a groundstroke <b>Static</b> : Static strength takes place when the muscle length stays the same. It is used to stabilise the body. e.g. A rugby scrum	19. One Rep Max	Maximal Strength	Athlete should attempt to perform one full repetition of the stated exercise(e.g. leg press or bench press) at the highest possible weight. The weight should be recorded.	
		20. 30m sprint	Speed	Performers to cover a straight 30m from a standing start. The time taken should be accurately recorded.	
		21. Hand Grip	Strength	Start with your hand up and bring down to side while pulling in handle.Do not swing your hand.	

**TEACHERS TIP:** You must be able to write the correct above definitions for each component of fitness and relate it to a sporting example. E.g. In football you need cardiovascular endurance to maintain your effort on the pitch for the full 90 minutes or you need good power in rugby in order to make a successful tackle.

# YEAR 9 — MICHAELMAS TERM- GCSE PHYSICAL EDUCATION- METHODS AND PRINCIPLES OF TRAINING



Methods	s of Trair	ling	16. Injury Prevention		
1. Circuit Training		a series of exercises completed at stations one after another. It is a very good way of developing strength, muscular endurance and power.	<ul> <li>An effective warm up should be completed!</li> <li>What should be included in a warm up?</li> <li>Stretches should be overstretched or bounce during stretches.</li> <li>Appropriate footwear and clothing should be worn.</li> </ul>		
2. Continuous Training		training involves a steady but regular pace at a moderate intensity which should last for at least 30 minutes. Activities can includes running, walking, swimming, rowing or cycling,			
3. Fartlek Training		It is a combination of different intensities. i.e. 1 lap at 50% max, 1 lap walking, 1 lap at 80%. Fartlek training is also referred to as 'SPEED PLAY'. To vary intensities you can adapt terrain, speed and gradients.	<ul> <li>Contect technique should be used when performing skins (e.g. weight training doing a squat with a bar)</li> <li>The training type should match the need of training purpose (e.g. continuous for aerobic, interval for anaerobic). You</li> </ul>		
4. Interval Training		This training involves periods of work followed by periods of rest. <i>i.e. Sprint for 20 metre + walk to recover.</i> Lactic acid and oxygen debt builds up during interval, the rest phase allows for recovery of these levels.	<ul> <li>should training in the right training zone (e.g. 80-90% of MHR)</li> <li>Enough rest – important to not OVER train, recovery is important.</li> </ul>		
5. Static Stretching 6. Weight Training		training is a form of training that uses progressive resistance against a muscle group. Muscular	<ul> <li>Hydration should be maintained before, during and after training.</li> <li>Taping/bracing of joints/muscles should be done professionally if there are any ongoing injuries.</li> </ul>		
<b>7 Diversatio</b> on		strength: High weight x low repetition, Muscular endurance: Low weight x high repetitions	17. Warm Up		
Training		Plyometrics exercises cause the muscle to lengthen (eccentric action) before a maximal muscle shortening (concentric action) <i>e.g. Bounding, hopping, jumping.</i>	Should include the following: A gradual <b>pulse raising activity</b> (e.g. jogging, jumping, cycling –		
Principle	es of Trai	ining	depends on equipment available and sport) <b>Stretching</b> to prevent injury can be static or dynamic.		
S	8. Speci	ficity – training geared to specific needs of sport and performer.	A <b>skill based practices</b> /familiarisation (e.g. in football, passing in pairs, shooting, quick passing drill as a team)		
ΡΟ	9. Progr	ressive overload – increasing difficulty of training so we make improvements (see below FITT)	Mental preparation to control arousal levels (time to focus, visualisation, deep breathing or a team chat with your coach to get focused on what needs to happen)		
R	10. Rev	<b>ersibility</b> – if we are injured or do not train then we will lose fitness quicker than gained.			
т	<b>11. Tedium</b> – in order to avoid boredom we must make training interesting.		18. Cool Down		
Principles	of Overlo	bad	Should include the following:		
F	<b>12. Frequency</b> – the amount of times we train in a week – increase as we improve.		An activity that maintains elevated breathing and heart rate, eg a walk or slow jog		
I	13. Intensity – how hard we train in sessions – increasing difficulty of exercise		A gradual reduction in intensity i.e going from a jog to a slow walk before stopping completely.		
т	T 14. Time – how long we train for – increase length of sessions as we improve.		Stretching of all the main muscles that were used in the sporting activity.		
Т	15. Type	e – vary the exercise so we do not get bored.			



	Skills and Techniques	Tactics and Strategies		
Stroke/Shot	Teaching Points	8. What shot do I play when?		
1. The forehand Push	Stand close to the table front ways on. Using a short stroke, hit the ball at the top of the bounce (at its highest point), strike the ball on the back bottom portion so that you use slight backspin	If the ball is played short (just over the net) return the ball with a defensive shot (the push). If the ball is played long (to the baseline on your side of the table) return the ball with an attacking shot such (the drive).		
2. The Backhand Push	Stand close to the table, front ways on to the table, hit the ball at the top of the bounce, 50% of stroke action before hitting it, and 50% of stroke action after you have hit it (so its not too powerful)	<b>9. When should I use the forehand smash</b> When the ball bounces higher than normal o your side of the table. The intention is to hit the ball as hard as possible, with minimal spin in order to try and finish a rally and win a point		
3. The Forehand Drive	Stand close to the table, sideways on, facing the line of play. Using a medium stroke, racket arm should move slightly upwards in direction that the ball is going to travel. During the stroke your upper body should rotate 45 degrees to the right then turn back to face the ball, moving from right foot to your left.	<ul> <li>10. Top Spin – is produced by starting your stroke below the bal and brushing your racket against the ball in an upward and</li> </ul>		
4. The backhand Drive	Using a medium stroke your racket arm should move forward and upwards. Racket angle should be slightly closed, loose wrist to help with topspin. Hit the ball at the top of the bounce, using 50% of stroke action before hitting it, and 50% of stroke action after you have bit the ball	ball, so after it bounces on the table it will stay low and accelerate forwards, causing it to rebound upwards off your opponents racket.		
5. The Serve	<ul> <li>Table tennis serve is the most important stroke in the game because it provides the only situation in which you have total control over how and where you play the ball.</li> <li>On your backhand side, position yourself at the side of the table, hold the racket at an open angle (like backhand push).</li> <li>Balance the ball in the palm of your free hand and project the ball upwards, as near vertically as possible, so that it rises at least 6inces after leaving your hand.</li> </ul>	<b>11.</b> Back Spin – is produced by starting your stroke above the ball and brushing your racket against the ball in a downward and forward motion. This decreases the downward pressure on the ball, so after it bounces on table it rises up and not go as far forward. It will cause a rebound in a downward direction off opponents' racket.		
6 The Foreband	<ul> <li>Allow the ball to drop and then hit the ball with your racket – so that it bounces your side of the table then goes over the net and bounces on your opponent's side.</li> <li>Body is in a sideways position, slightly away from the table. Backswing should bring</li> </ul>	<b>1 2.Vary shots used -</b> Try not to use the same shot every time you return the ball because then this becomes predictable to your opponent.		
Smash	your arm back directly behind the path of the ball and your body should be rotating back slightly as you transfer weight on back foot. Racket in a high position, so you can come downwards and forwards as you play your stroke and hit the ball. Strike the ball at the top of the bounce or at shoulder height. As you play the stroke you transfer weight forwards returning to ready position.	<b>13 Vary the placement</b> – Try to hit the ball into different spaces on the opponents side of the table so they have to move more – aiming for the backline, corners, sidelines and just over the net is the best place to aim.		
7. The Lob (backhand or forehand)	Ready position away from the table, right shoulder needs to rotate backwards and downwards until you racket is about knee height. Use a vertical brushing top spin action as you hit the ball. Aim to hit he ball at waist height. Follow through the stroke after hitting the ball until racket is at about head height.	<b>14. What is the ready position?</b> Neutral starting position, slightly bent arm, racket in front of you so you can just reach the end of the table, feet shoulder width apart and knees bent, racket in a neutral position so you can play either a backhand or forehand.		

# YEAR 9 — MICHAELMAS TERM- OCR SPORTS STUDIES - DEVELOPING SPORT SKILLS (TRAMPOLINING)



Skills 1. The Straddle Jump 2. The Tuck Jump	<ul> <li>Teaching Points</li> <li>As you take off, bring your legs apart and extend them out to the sides of you more than 90 degrees and horizontal.</li> <li>Straighten your arms, place them out to sides like legs, and place hands on knees/legs.</li> <li>Keep your upper body and head as still as possible.</li> <li>Ensure your toes are pointed and you are looking forwards.</li> <li>As you take off, bring your arms away from your sides and extend them out in front of you and elevate your arms quickly above your head.</li> <li>Keep your upper body and head as still as possible.</li> </ul>	Routine 1 Easy Straddle Full Twist Tuck Jump Seat Drop to feet Half Twist Seat Drop to Feet
3. The Pike	<ul> <li>As you begin to reach the peak of the jump, bring your knees upwards and into the chest.</li> <li>Ensure that both knees are tucked tight into the chest and the shins are vertical with the floor and parallel to your back.</li> <li>Bring the arms down from the extended position and touch the hands just below the front of the knees.`</li> <li>As you take off, keep your legs together and straight and extend them out in front of you.</li> </ul>	Straddle Jump
Jump	<ul> <li>Knees should be straight and both knees and feet together touching.</li> <li>Straighten your arms, extend them out forwards and place hands on knees/legs.</li> <li>Keep your upper body and head as still as possible.</li> <li>Ensure your toes are pointed and you are looking forwards.</li> </ul>	Routine 2 - Moderate Half Twist Tuck lump
4 Seat Drop	<ul> <li>As you take off, bring your arms away from your sides and extend them out in front of you and elevate your arms quickly above your head.</li> <li>Begin to tilt your pelvis upwards slightly to create a natural leg lift.</li> <li>Keep straight legs and do not purposely lift them up.</li> <li>Keep your upper body and head as still as possible.</li> <li>Maintain position.</li> <li>As you begin to lose height, bring your arms down to make contact with the bed just behind your bottom and extend your feet forwards.</li> <li>Ensure you land with your back close to upright and hands tucked in just behind your bottom with the fingers pointing forwards in the same way as your toes</li> </ul>	Seat Drop into a Half Twist Seat Drop to Feet Straddle Jump Full Twist Seat Drop to Feet
5. Swivel Hips	<ul> <li>Seat drop as before – except your turn in the air (half twist) and complete another seat drop before returning to feet.</li> <li>Best way to learn is to break it up into the following progressions:</li> <li>Seat drop to feet, half twist to feet, seat drop to feet.</li> <li>Seat drop into half twist to feet, seat drop to feet.</li> <li>Full swivelhips</li> </ul>	Routine 3 - Difficult
6. Front Drop	<ul> <li>As you take off, bring your arms away from your sides and extend them out in front of you and elevate your arms quickly above your head.</li> <li>Hold this upright position and begin to slightly push your hips backwards as you gain height.</li> <li>Keep your arms up and fingers in a position directly above your toes.</li> <li>Ensure extension of your arms and legs and allow the hip movement to provide the forward rotation.</li> <li>Do not look down and keep your eyes focused towards an end wall.</li> <li>Keep your upper body and head as still as possible.</li> <li>Maintain position.</li> <li>As you begin to lose height, bend your arms down to form a diamond shape with the hands overlapping slightly in front of the face.</li> <li>Your legs should be slightly bent at the knee and the body held in tension for a good landing.</li> <li>At impact, ensure that your hips are in a position to help you land in approximately the same place as your take-off position.</li> </ul>	Full Twist Tuck Jump Swivel Hips to Feet Pike Jump Full twist Front Drop Straddle Jump



BASIC RULES	BASIC TACTICS AND STRATEGIES		
<b>1.</b> What is the aim of wallball? Wallball is a simple activity played by hitting a ball against a wall with your hands. The aim of wallball is to score more points than your opponent by hitting a ball against a wall and landing inside the correct area on the floor.	8. The Target Serve Most professional players believe that a well-controlled serve is the most important shot in the game. Services that rebound and bounce low near the short lines makes it even		
<b>2. When is a point won?</b> A point is won by you if your opponent is unable to return the ball to the wall (e.g. they miss the ball, they hit the ball but it misses the wall, or the ball hits the floor before the wall).	more difficult for the retriever, specially if he/she does not know which the direction the serve is being aimed. 9. What are the pass shots?		
<b>3.</b> How is wallball scored? The winner of a game is the first to 11, 15 or 21 points or played a timed game (commonly 15/20 minutes). There must be a gap of at least two points between opponents at the end of the game though, so if the score is 10-10, the game goes in to extra play until one of the players has gained a lead of 2 points. The point goes to the player who successfully ends a rally,	The pass shot is just what the name implies, a shot that is hit past the opponent. Control the passing angles is very important in order to move the opponent out of the advantageous front court position. These shots are usually classified as "cross court" and "down the line" passes.		
regardless of who has served. A match can consist of the number of games you like, just make sure you agree this in advance!	<ul><li><b>10. Important tactics to win games:</b></li><li>a) Always serve first if you win the toss at the beginning of the game</li></ul>		
<b>4. What is the ready position?</b> Neutral starting position, feet shoulder width apart and knees bent, both arms in a neutral position so you can play either.	<ul> <li>b) Serve deep to push your opponent back</li> <li>c) Dominate the centre of the court</li> <li>d) Kill the ball, by hitting it low at the wall</li> </ul>		
<b>5. What is the correct equipment needed to play wallball?</b> It is recommended to use an official wallball when playing the sport, however, any ball that can be struck safely with the hand can be used e.g. tennis ball, soft play ball, etc. Wallball gloves are optional and usually the player will decide if needed or not. Goggles are required for official tournaments.	<ul> <li>e) Hit the ball down the side of the court to move the players away from the centre</li> <li>f) Hit wide angles to push opponents off the court</li> <li>g) Hit to the player weaker hand</li> <li>h) In doubles drive the ball down the middle (hope to confuse the players so the wheth laws it)</li> </ul>		
6. Do we need a referee to play wallball? Wallball is a self-contained game and players are also expected to be referees, giving them experience of controlling a game, making decisions and taking ownership of their actions. It is recommended that the loser referees the next match.	i) Hit to the weaker opponent in doubles		
<b>7. How do we start the game?</b> The game will start by one of the players serving against the wall and the ball must return beyond the service line and inside the court.			

13 🚱 7

S.

### <u>YEAR 9 — MICHAELMAS TERM- ART — COMPLEX PATTERNS</u>

# LEARNING - LOVING - LIVING

### A. Key Terms

Keyword	Description
7. Pattern	A design that is created by repeating lines, shapes, tones or colours. The design used to create a pattern is often referred to as a motif. Motifs can be simple shapes or complex arrangements
2. Weight	The thickness of a mark or brushstroke
3. To <b>Block in</b>	to BLOCK IN: to fill in an empty area in an image with a certain colour before adding fine details such as shadows and highlights.
4. Composition	how objects or figures are arranged in the frame of an image
5. Contemporary	Living or occurring at the same time.
6. Negative Space	When drawing shapes, you must consider the size and position as well as the shape of the area around it. The shapes created in the spaces between shapes are referred to as <b>negative</b> <b>space</b> .
7. Geometric	characterized by or decorated with regular lines and shapes. "a geometric pattern"

### **B.** Pattern



B1: Radial Symmetry A pattern that rotates around a central axis. B2: Symmetry the quality of being made up of exactly similar parts facing each other or around an axis.



B3: Tesselation A tessellation of a flat surface is the tiling of a plane using one or more geometric shapes, called tiles, with no overlaps and no gaps.

### **C.** Painting techniques

	Key Words: Painting Techniques and Equipment					
C1	Flat painting The use of flat colours (no tints or tones blended in) to give each shape a clear finish.					
C2	Layers Additional layers of paint are added to make the painted shapes flatter in colour (no brush marks showing)					
C3	Palette	A flat container with wells to mix different coloured paint in.				
C4	Paint brush	A hand held painting tool to apply paint to any surface.				
C5	Water pot	A plastic container to hold water for cleaning brushes.				

# <u>YEAR 9 — MICHAELMAS TERM- ENGINEERING</u>



Materials				Properti	es and chara	cteristics of materials		
Ceramic		Plastic			Absorbency	To be able to soak up liquid easily.		
Glass— A H typically tr made by fu lime and co	hard, brittle substance, ansparent or translucent, using sand with soda and ooling rapidly.		Acrylic (polymethyl methacrylate), (of synthetic resins and textile fibres) made from polymers of acrylic acid or acrylates.		Strength	The capacity of an object or substa withstand great force or pressure.	ance to	
From a mix gravel, san	- A building material made ture of broken stone or Id, cement, and water,		High impact polystyrene (HIPS) (of plastic or a similar substance) able to withstand great impact without breaking.		Elasticity Plasticity	The ability of an object or material resume its normal shape after bein stretched or compressed; stretchin The quality of being easily shaped	l to ng ness. or	
Terra cotta brownish-r chiefly as a material ar	a—Unglazed, typically red earthenware, used an ornamental building nd in modelling.		Polyvinyl chloride (PVC) A tough chemically resistant synthetic resin made by polymerizing vinyl chloride and used for a wide variety of		Malleability	moulded. To be able to be hammered or pre into shape without breaking or cra	essed acking.	
			products including pipes, flooring, and sheeting.		Density	The quantity of mass per unit volu a substance	ime of	
int		Wood			Effectiveness	The degree to which something is successful in producing a desired r	result;	
domestic u and aircraf	it construction		used for making furniture, doors and floors.	K	Durability	The ability to withstand wear, presord amage.	ssure,	
Pewter—A copper and and lead).	gray alloy of tin with d antimony (formerly, tin		Plywood—A type of strong thin wooden board consisting of two or more layers glued and pressed	Environmental Factors		rS Reusability		
Copper—A good cond electricity a electrical v	A red-brown metal, a very uctor of heat and and is used especially for viring	together tog		Where possible, we should products or their componer parts when they are disassembled, at the end of re life cycles.	reuse nts / f their			
Orthographic projection					e of materials car articularly paper, o	Products should be designe that they can be used again card, least their parts, with minin	ed, so n or at nal	
$\square$	$\Rightarrow$	(		and many p	plastics.	reprocessing.		
FIRST ANGLE PROJECTION					s using less non- resources. he amount of raw we use to manufac	The ecological footprint measures human demand on nature, i.e., the cture quantity of nature it takes t	to	
ïtle Block — Con	tents			products.		support people or an econo	omy.	
uthor	Drawing number	Date	Date		Reduce wastage of raw materials The ecologi used in the manufacture of defined as		cal footprint is the biologically	
Sheet Number System of measurement		nt Proiec	Projection			provide for everything peop	productive area needed to provide for everything people	

SI Base Units						
unit	abb	physical quantity	Smallest			
			Largest			
metre	m	length	Micrometer, millimeter, centimeter,			
			meter			
second	s	time	Microsecond, millisecond, seconds			
kilogram	kg	mass	Milligram, gram, kilogram			
ampere	Α	electric current	Micro amp, milliamp, amp, kiloamp			
kelvin	К	thermodynamic	Kelvin, degrees Celsius			
		temperature				
candela	cd	luminous intensity	Microcandela, millicandela, candela			
mole	mol	amount of substance	Nanomole, micromole, millimole, mole			

Engineering Disciplines				
Mechanical	Hydraulics, gears, pulleys			
Electrical	Power station, household appliances, integrated circuits			
Aerospace	Aircraft, space vehicles, missiles			
Communications	Telephone, radio, fibre optic			
Chemical	Pharmaceuticals, fossil fuels, food and drink			
Civil	Bridges, roads, rail			
Automotive	Cars, motorcycles, trains			
Biomedical	Prosthetics, medical devices, radiotherapy			
Software	Applications, systems, programming			

U	Understand the making Process					
1	Preparation	Drawing, CAD, sketches, plans.				
2	Marking Out	Pencil, scribe, steel rule, tri square, marking gauge, calipers, centre punch.				
3	Modification	Saw, jigsaw, scroll saw, laser cutter, pliers, hammer, drill, file, glass paper.				
4	Joining	Riveting gun, spanner, screwdriver, hot glue, gun, soldering iron, nail gun.				
5	Finishing	Hand sander, glass paper, disc sander, buffing wheel, polish, spray paint, varnish.				

Health & Safety Legislation						
Health and Safety at work	Personal Protective	Manual Handling	Control of Substances	Reporting of Injuries RIDDOR		
Act	Equipment	Operations	Hazardous to Health			

# YEAR 9 — MICHAELMAS TERM- FOOD AND NUTRITION — FOOD SAFETY, HYGIENE, SKILLS AND SCIENCE

# LEARNING - LOVING - LIVING

You must be able to know the growth conditions for microorganisms and enzymes and the control of food spoilage. Know and understand that bacteria, yeasts and moulds are microorganisms. Explain that enzymes are biological catalysts usually made from proteins. Demonstrate the knowledge and understanding of the use of microorganisms in food production, including moulds in the production of blue cheese, yeast as a raising agent in bread. Know and understand the different sources of bacterial contamination. Know and understand the main types of bacteria that cause food poisoning. Demonstrate knowledge and understanding of the main sources and methods of control of different food poisoning bacteria types. Recognise the symptoms of food poisoning. Know and understand the food safety principles when buying and storing food. Know and understand temperature control and the danger zone temperatures.

### **Keywords**

- 1. Bacteria
- 2. Microorganisms
- 3. Moulds
- 4. Enzymes
- Temperature
- Moisture
- 7. Time
- 8. Nutrients
- 9. pH level
- 10. Oxidation

### <u>Keywords</u>

- 1. Starter culture
- 2. Probiotic
- Pathogens
- Food Poisoning
- 5. Contamination
- 6. Salmonella
- 7. Staphylococcus Aureus
- 8. Clostridium Perfringens
- 9. Clostridium Botulinum
- 10. Bacillus Cereus
- 11. Food Borne disease
- 12. E Coli
- 13. Listeria
- 14. Campylobacter
- 15. Norovirus

### Quick Test

- 1. What are microorganisms?
- 2. What is the ideal temperature for bacterial growth?
- 3. What is the most important bacteria used in food manufacturing?
- 4. What are the two date marks you need to check when buying food?
- 5. What is the recommended temperature for chilled food?
- 6. What is the temperature range of the danger zone?
- 7. Explain the term cross contamination.
- 8. List four occasions during food preparation when you must wash your hands.

### Keywords

- 1. Use by date
- 2. Best before date
- 3. Frozen Food
- 4. Chilled Food
- 5. High risk foods
- 6. Low risk foods
- 7. Danger zone
- 8. Hygiene

### Key Points

- 1. Bacteria are found everywhere and need the right temperature, warmth, time, nutrients, pH level and oxygen to grow and multiply.
- 2. Microorganisms (bacteria) are used to make a wide range of food products.
- 3. Bacteria are used to make cheese, yogurt and bread.
- 4. The most important bacteria in food manufacturing are Lactobacillus species.
- 5. Bacterial contamination is the presence of harmful bacteria in our food, which can lead to food poisoning and illness.
- 6. As a food handler you must do everything possible to prevent this contamination.
- 7. What are the main symptoms of food poisoning?
- 8. Name three bacteria responsible for food poisoning?
- 9. Which groups of people are more at risk of food poisoning?
- 10. When handling food at any stage care must be taken to prevent contamination.
- 11. Everything possible must be done to control the conditions that allow bacteria to multiply causing food poisoning.

### YEAR 9 — MICHAELMAS TERM- FOOD AND NUTRITION — FOOD SAFETY, HYGIENE, SKILLS AND SCIENCE



### Key words

- 1. Bridge hold
- 2. Claw grip
- 3. Jardinière
- 4. Julienne
- Macedoine
- 6. Chiffonade
- 7. Battonnet
- 8. Dicing
- 9. Chopping
- 10. Paring
- 11. Flexible
- 12. Filleting
- 13. Serrated
- 14. Cooking

### Keywords

- 1. Ingredients
- 2. Precise
- 3. Combined
- 4. Rubbing-in
- 5. Binding
- 6. Coating
- 7. Enriched dough
- 8. Glazing

### **Keywords**

- 1. Physical raising agents
- 2. Chemical raising agents
- 3. Yeast
  - Bicarbonate of soda
  - 5. Baking Powder 6. Fermentation
  - 7. Carbon Dioxide

### <u>Keywords</u>

- 1. Gliadin
- 2. Glutenin
- 3. Gluten
- 4. Carbon Dioxide
- 5. Shortcrust
- 6. Choux

### <u>Keywords</u>

- 1. Shortening
- 2. Plasticity
- 3. Aeration
- Creaming
- 5. Foam
- 6. Emulsification.

### **Keywords**

- 1. Senses
- Taste
- 3. Aroma
- Texture
- 5. Olfactory
- 6. Sensory analysis
- 7. Palate
- 8. Sensory characteristics
- 9. Rating Tests
- 10. Ranking tests
- 11. Star profile
- 12. Triangle testing
- 13. Paired preference tests

# Quick test

- 1. Name two methods of holding food when cutting it
- 2. What glaze would you use on enriched dough?
- 3. What type of flour is used to make bread dough
- 4. What gas does yeast produce?
- 5. Why is it important to use codes when tasting food
- 6. List the stages used to carry out a controlled sensory analysis
- 7. What is triangular testing?
- 8. What term describes how fat makes a short texture product?
- 9. Which basic cake making process traps air into the cake?How does egg white trap air?

# Key points

- 1. Specific types of knives are designed for specific cutting and shaping tasks.
- 2. Knives are dangerous and if not handled correctly and care should be taken at all times.
- 3. A flat and stable cutting surface is essential to avoid injury when cutting food
- 4. There are specific terms used for vegetable cuts relating to the size and shape of the outcome

### <u>YEAR 9 — MICHAELMAS TERM — COMPUTER SCIENCE- PROGRAMMING</u>





>>> print "hello world"
hello world
>>> print 'I am a python programmer'
I am a python programmer
>>>

#A name should be capitalized

a=fn.capitalize(); b=sn.capitalize(); Revise Bubble and Merge Sort Explained https://www.youtube.com/watch?v=EM <u>3YC3dtMv8</u>

print a print b

<u>https://medium.com/yay-its-erica/algorithms-for-beginners-bubble-sort-insertion-sort-merge-sort-29bd5506cc48</u> (USE THIS LINK TO FIND OUT ABOUT SORTING TECHNIQUES)

# <u>YEAR 9 — MICHAELMAS TERM — COMPUTER SCIENCE- PROBLEM SOLVING</u>



EARNING - LOVING - LIVING

### <u>YEAR 9 — MICHAELMAS TERM — DRAMA — BRECHT</u>



Devised: Explanation	Devised: How Assessed
Devising is a way of creating a drama without starting with a script. It usually begins with an idea and a stimulus. Actors and designers research, improvise, develop and shape scenes until they have a drama ready for an audience. The play you create will use either the techniques from a theatre practitioner (e.g. Brecht or Stanislavski) or in the style of a theatre genre (e.g. Physical Theatre or Theatre in Education). You will research your chosen topic, create a performance and document the development in a devising log portfolio. You will then write an evaluation of the final performance.	Performance A performance live on stage which is designed to realise your original intentions.
This knowledge organiser will focus on Brecht. <b>Higher Level Challenge</b> In order to gain the most marks in your performance exam and your portfolio remember to consider and refer to the following contexts: • Social Context: A social setting or environment which people live	Devising Log : Portfolio A record of the creation and development of your ideas to communicate meaning through and the development of your play.
<ul> <li>Historical Context: A part of history which has happened (this could be when the play was set)</li> <li>Political Context: The political party in power at the time and how this impacted on society.</li> </ul>	Devising Log: Evaluation An analysis and evaluation of your individual contribution to the devising process and the final devised piece

Cultural Context: How culture can effect behaviour, choices and decisions for characters.

Bertolt Brecht – A Brief Background V	Why is Brecht so important?	The 'V' effect
Bertoit Brecht – A Brief Background       V         Image: Sector of the sec	Why is Brecht so important? Bertolt Brecht was a theatre practitioner. He made and shaped theatre in a way that had a huge impact upon its development. Many of his ideas were so revolutionary that they changed the theatrical landscape forever. Modern theatre owes a lot to his methods. When naturalistic theatre was at its height and acted as a mirror to what was happening in society, he decided to use it as a force for change. He wanted to make his audience think and famously said that theatre audiences at that time "hang up their brains with their hats in the cloakroom". In naturalistic or dramatic theatre the audience care about the lives of the characters onstage. They forget their own lives for a while and escape into the lives of others. When an audience cries for a character or feels emotion through the events happening to them it's called catharsis. Brecht was against cathartic theatre. He believed that while the audience believed in the action onstage and became emotionally involved they lost the ability to think and to judge. He wanted his audiences to remain objective and distant from emotional involvement so that they could make considered and rational judgements about any social comment or issues in his work. To do this he used a range of theatrical devices or techniques so that the audience were reminded throughout that they were watching theatre; a presentation of life, not real life itself. His kind of theatre was called <b>Epic theatre</b> . He called the act of distancing the audience from emotional involvement the <b>verfremdungseffekt</b> .	Ine 'V' effect Many people speak of alienating the audience (making them separate from the action) but verfremdungseffekt actually translates more closely to 'distancing.' However, it's still often called the alienation effect or is shortened to the 'v' effect and there are many ways of using it. Brecht definitely wanted his audience to remain interested and engaged by the drama otherwise his message would be lost. It was emotional investment in the characters he aimed to avoid. His approach to theatre suits work which has a political, social or moral message. Perhaps you want the audience to consider the meaning in a parable (a story with a wider moral message). You might want to explore a theme or issue and make your audience consider varying viewpoints or sides to an argument. If so you can learn a lot from the distancing devices used in Brechtian theatre. Epic theatre (Brechtian theatre) breaks the fourth wall, the imaginary wall between the actors and audience which keeps them as observers. They are active members of the theatrical experience as they are kept thinking throughout, not switching off.
insidious way the Nazis came to power.		

#### Brechtian devices to create the 'v' effect

A theatrical device is a method or technique used onstage which has an aim or purpose. The aim when using the 'v' effect is to ensure that the audience are constantly reminded that they're watching a piece of theatre. Brecht used the techniques below to alienate the audience causing the 'v' effect.

#### Political Message

Brechtian plays have a political message.

#### Narration

Narration is used to remind the audience that what they're watching is a presentation of a story. Sometimes the narrator will tell us what happens in the story before it has happened. This is a good way of making sure that we don't become emotionally involved in the action to come as we already know the outcome. There are two types of narration:

- 1. In role
  - The character narrates in first person For example "My name is Little Red Riding Hood. I live in the forest".
- 2. Third Person/Out of role/All Knowing

Commenting upon a character as an actor is a clear way of reminding the audience of theatricality. The narrator speaks in third person. For example "This is Little Red Riding Hood.. She lives in the forest".

#### Speaking the Stage Directions

This device was used by Brecht more frequently in rehearsal than performance. It helps distance the actor from the character they're playing. It also reminds the audience that they're watching a play and forces them to study the actions of a character in objective detail.

#### Direct Address and Step Out

Speaking directly to the audience breaks the fourth wall and destroys any illusion of reality. An example would be the moment where Grusha pleads to save baby Michael in *The Caucasian Chalk Circle* by Brecht: I brought him up, shall I also tear him to bits? I can't.

#### Placards

A placard is a sign presented onstage. Using placards might be as simple as holding up a card or banner. Multimedia or a PowerPoint slideshow can also be used for this effect. The musical, *Miss Saigon*, for example, used a slideshow to demonstrate the loss of lives in the Vietnam War which was highly effective. What's important is that the information doesn't just comment upon the action but deepens our understanding of it. For example, a married couple are arguing and the wife is very upset. If the actress held up a placard saying 'I'm miserable' that wouldn't tell us anything about the character that we didn't already know. However, if her placard said 'I'm having an affair' or 'I've never loved him' the audience would be forced to consider other aspects of their relationship and to think about deeper reasons behind her tears. Placards can also help the audience to consider wider contexts, for example, the wife could hold up a placard that says facts about divorce "50% of married couples apply for divorce" Placards can also be used to identify changes the movement from one episode to the next.

#### Symbolic Props

Often one item can be used in a variety of ways. A suitcase might become a desk, or a car door or a bomb.

#### Episodes

Brecht called scenes 'episodes', with each scene being relatively self-contained.

#### Minimal set / costume / props

Set, costume and props are all kept simple and representational. Elaborate costumes might mean that the sense of theatre, of pretending to be something else, was lost.

#### Shock Tactics

Brecht would often try to shock the audience so that they would really consider his political message.

#### Multi-roling

Multi-roling is when an actor plays more than one character onstage. The differences in character are marked by changing voice, movement, gesture and body language but the audience can clearly see that the same actor has taken on more than one role. This means the audience are more aware of the fact that they are watching a presentation of events. Cross-sex casting is also possible in Epic theatre as we don't need to suspend our disbelief.

🛇) LEARNING – LOVING – LIVING

#### Split-role

This is where more than one actor plays the same character. For instance, the actor playing the main character might rotate from scene to scene. This keeps that character representational and inhibits emotional involvement and attachment on the part of the audience.

#### Stylised Lighting

Brecht believed in keeping lighting simple as he didn't want the production values to overshadow the message of the work. He believed in using harsh white light as this illuminates the truth. However, many modern productions do use lighting effects. The important thing is that the audience still see the theatre, so often they will see production personnel, such as backstage crew, in action on the stage rather than hidden.

#### Spass

Spass literally translates as 'fun'. Brecht wanted to make his audience think. He realised that while we are laughing we are also thinking. Brechtian work isn't boring and it's definitely not always serious either. Even if the message itself is serious Brecht realised that comedy could be an excellent way of engaging the audience and forcing them to think about issues. Spass was also used to break the tension. For example, a very serious work addressing suicide might break the action by creating a parody of an American advert: Are you feeling low? Depressed? Think there's no way out? Then you need new 'End it All'...The poor taste of this would be shocking for an audience. But it actually highlights the pain of depression through contrast and black comedy. The audience will laugh and then question why they laughed.

#### Gestus

Gestus, another Brechtian technique, is a clear character gesture or movement used by the actor that captures a moment or attitude rather than delving into emotion. So every gesture was important and exaggerated. Brecht didn't want the actors to be the character onstage, only to show them as a type of person. For example, the boss who is corrupt and smoking a fat cigar as his workers starve is representative of every boss who profits through the exploitation of others. For this reason Brecht will often refer to his characters by archetypal names, such as 'The Soldier' or 'The Girl'. So we judge the character and their situation, rather than just empathising with them. Gestus is also gesture with social comment. For example, a soldier saluting as he marches across a stage is a gesture. But if he was saluting as he marched over a stage strewn with dead bodies, it would be Gestus as a social comment about the type of person he represents.

#### Song, Nursery Rhyme, Dance and Movement

This reminds the audience of the fact they are watching a play. Often in Brechtian theatre the style of the music and the lyrics jar, they don't seem to fit together in style. This distances the audience further. Brecht used melodies that are upbeat and joyous, yet the lyrics are sinister and dark (example 'Mack the Knife' from The Threepenny Opera. Brecht also used well known nursery rhymes and changed the lyrics to deepen the audience's thoughts and have an impact on how they felt about certain political views.

#### Ensemble

All members of the cast working together on behalf of the play, rather than emphasising individual actors or characters.

# <u>YEAR 9 — MICHAELMAS TERM — MUSIC GCSE— ROCK MUSIC</u>







1950s – Rock 'n' Roll	Late 196	)s - Rock	1970s – Rock's Diversification
Artists: Elvis Presley; Bill Haley & The Comets; Buddy	Artists: Rolling Stones;	Jimi Hendrix; The Who	Heavy Rock – Progressive Rock – Latin Rock – Glam
Holly	Musical features: slide g	uitar, harmonica, solos for	Rock – Soft Rock – Country Rock – Punk Rock –
Musical features: 12-bar Blues; walking bassline;	guitar and drums, ba	re chords, distortion.	New Wave
guitar-driven; fast pace; swung rhythms.	Rock that was heavily influ	enced by black R&B/Blues	
	music set the scene for mar	y heavy metal bands in the	Artists: Led Zepplin; Deep Purple; Pink Floyd; T-Rex;
R&B/Blues combined with Country Music appealing to	futu	res.	Queen; Sex Pistols
the newly-developed 'teenage' audience.			Musical features: effects added; world influences;
Early 1960s – Beat Music	Music then went in 2 oppo	sing directions – optimistic	electric guitar; wailing vocals; modal; intricate
Artists: The Beatles; Rolling Stones; Bob Dylan;	utopian hippy-influenced o	r disillusioned cynicism full	melodies/solos; theatrical.
Musical features: Strong rhythms of un-swung	of life & de	estruction.	
quavers; catchy tunes; guitar-dominated; close			Music became increasingly diverse, with bands building
harmonies.			on experiments of the 60s into long studio-conceived
British Beat Music/Mersey Beat combined rock 'n' roll,			albums, whereas the introduction of stadium rock
R&B and soul, appealing to the rock 'n' roll teenagers			concerts focused songs into live versions.
and developing into a British dominance of the charts.			
1980s – Heavy Metal	1990s – Grunge//	Iternative/Britpop	2000s – Indie/Alternative
Artists: Motorhead; Iron Maiden; Guns 'n' Roses; The	Artists: Nirvana; Red Hot	Chilli Peppers; Oasis; Blur;	Artists: Arctic Monkeys; Kaiser Chiefs; The Killers;
Smiths	Radio	head	Coldplay
Musical features: fast tempi; driven by powerful bass	Musical features: Fast	tempos; scruffy sound &	Musical features: Medium tempo; high bass melodic
lines & large drum kits; power chords; extended solos;	visuals; guitar-based; non	<ul> <li>conventional harmonies;</li> </ul>	phrases; short melodic licks; sing along choruses;
minor modes; mythological themes.	easy chords;	nasal vocals.	orchestral influences.
As political moods settled, so music calmed, reflecting	Back-to-basics post	punk reaction to the	Technology and the internet meant that styles popped up
this change in direction, becoming more focused on	commercialization of mu	sic spawned the grunge	and fused overnight and artists could be heard and
image and commercial acceptance.	movement	n the USA.	known far quicker, before even playing a gig.
A combination of psychedelic & blues rock, starting from	In the UK grew a cleaner,	ess distorted version from	
Punk, but getting progressively darker.	the working class viewpoin	t with an amateur musician	
	fe	el.	
	This later developed int	o the more progressive	
	alternati	ve rock.	
	MEN AN	2000	
	KETVV	JRUS	
1-12-bar blues - A chord structure of 12-bars using chords I, I	V and V.	7-Distortion- altering the t	one of electric instruments to make them sound gritty,
		growly or fuzzy.	
2-Walking bassline – a bassline that moves by step.		8-Modal – system of scale	s from medieval period, pre major/minor system.
<b>3-Swung rhythm</b> – a rhythm that emphasizes the first pair of	quavers.	9-Power chords – a chord	using just the 1" & 5" notes (omitting the 3").
4-Close narmonies – narmony where notes of the nocro	s are close together,	10-RIπ – snort repeated pr	irase in popular music.
typically in vocal music.	itan offen upod in blues	44 Link of all anthers	abrade yought played on the mitter similarity a sift
5-Singe guitar – a sliging effect across the strings of a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a guitar about a string of a bound on a string of a	liar, oiten used in blues.	11-LICK - Stock pattern of	phrase, usually played on the guitar, similar to a fiff.
b-Barre chords – a type of chord on a guitar played by the proce down multiple strings across a single frot of the find	ising one or more tingers to	12-Chora – 2 or more note	s played simultaneously.
press down multiple surings across a single fret of the ling	erbodiu.		

# <u>YEAR 9 — MICHAELMAS TERM — MUSIC GCSE — QUEEN</u>



MR TIGHTS	Features	KEYWORDS
Melody	Syllabic – throughout, mainly.	1- Syllabic - when one note is sung per syllable.
	Vocalisation - backing vocals mix words and vocalisation (e.g. bars 8-	<ol><li>Vocalisation - wordless singing using a vowel syllable such as 'ah'.</li></ol>
	<ul> <li>9) to the sound 'ooh' and bar 18 to the sound 'ba'.</li> <li>Conjunct starts mostly stopwise with small loaps of a third or fourth</li> </ul>	<ol><li>Sequence - the repetition of a musical phrase at a higher or lower pitch than the original.</li></ol>
	<ul> <li>Sequence – descending &amp; slightly altered in bars 7 and 8.</li> </ul>	4- Conjunct - movement by step.
	Angular leaps - combine conjunct and wide leaps in the melodic line.	5- Moderato – tempo marking, at a moderate pace.
	B.6-7: Leap of rising major sixth; b.62 – an octave.	6- Swung - music that has a triplet feel, even when notated with straight quavers.
Rhythm	Moderato tempo - with a dotted crotchet pulse of 112 beats per minute.	7- Anacrusis - one or more unstressed notes before the first bar line of a piece or passage.
(incl_tempo	<ul> <li>12/8 - compound quadruple time signature; occasional 6/8 bar - has the effect of extending the phrase length.</li> </ul>	8- Compound time signature - when the bar feels like it needs to be split into groups of three (having a group of three 'mini' beats in a 'big' beat).
& metre)	Swung feel.	9- Triplets - a horizontal square bracket that lets the performer know that the three notes should be
& metre)	<ul> <li>Anacrusis (upbeat) – starts every verse and chorus.</li> <li>Syncopation - frequent throughout (e.g. bars 44–46)</li> </ul>	played in the time it normally takes to play two.
	• Triplets - bar 18.	10- Homophonic - a texture comprising a melody part and an accompaniment.
Texture	Homophonic – predominant texture.	11- Imitation - the repetition of a phrase or melody in another part or voice, usually at a different pitch.
	<ul> <li>Imitation.</li> <li>Layering - Three-part texture during guitar solo.</li> </ul>	12- Panning - giving sounds different levels in the left and right speakers so that it sounds as if they are coming from a new direction.
	<ul> <li>Panning - (e.g. bars 42-43 backing vocals).</li> </ul>	13- Antiphonal - music performed alternately by two groups, which are often physically separated.
	Antiphonal - (e.g. bars 67-68).	14- Overdubbing - recording an instrumental or vocal part over previously recorded music.
Instrument	Tenor – high male voice, performed by Freddie Mercury.     Instruments - lead and backing vocals, piano, overdubbed with a honky- tonk (jangle) piano, four electric guitars, bass guitar and drum kit.	15- Pull-off - when a note is sounded on the guitar by plucking the string with the fretting hand.
(sonority)		tighter and the pitch goes up.
(sonority)	Overdubbing - Guitars and vocals, creating a richer colour.     Outer techniques - slides, hende, pull offe and vibrate.	17- Vibrato - a technique used to cause rapid variations in pitch. The term 'vibrato' is Italian and is the past participle of the yerh 'vibrare' which means to vibrate.
	Guital techniques - sides, bends, pull-ons and vibrato.     Recording techniques & effects - multi-tracking EQ flanger.	18- Multi-track - a recording of a performance (or performances) on separate tracks in which each track
	distortion, reverb, wah-wah, panning and overdubbing.	can be edited individually to change levels, add effects, etc.
Genre	Sheer Heart Attack - Queen's third studio album released in November	19- EQ - the levels of frequency response of an audio signal, or controls, which allow their adjustment.
	1974. 'Killer Queen' was written by Freddie Mercury and featured on • Queen - formed in London in 1970: singer Freddie Mercury, guitarist	20- Flanger - an effect creating a swirling or swooshing sound.
	Brian May, drummer Roger Taylor and bassist John Deacon.	21- Distortion - an effect that increases the volume and sustain on an electric guitar as well as making
	<ul> <li>First single from the album - one of the few songs where Freddie Mercury wrote the bride first which are obsert on upper close practitute</li> </ul>	the timbre more gritty or smooth depending on the settings.
	Mercury wrote the tyrics first, which are about an upper-class prostitute.	22. Web web a filter effect is which the neek of the filter is sweet up and down the frequency range in
Harmony	<ul> <li>Mainly root position chords.</li> <li>Inversions - Some chords in first or second inversion</li> </ul>	23- wan-wan - a mer enect in which the peak of the miter is swept up and down the nequency range in response to the player's foot movement on a rocker pedal.
	<ul> <li>Dissonance - some used (e.g. bar 30).</li> </ul>	24- Circle of fifths - a series of chords in which the root note of each chord is a fifth lower or a fourth
	Seventh chords - (e.g. bar 4).	higher than that of the previous one.
	Circle of fifths - (e.g. bars 20-21).	25- Extended Chord - a chord with at least one added note, such as the ninth.
	<ul> <li>Altered and extended chords - (e.g. F<sup>11</sup> bar 47).</li> <li>Pedal - bars 27–30.</li> </ul>	26- Perfect cadence - a cadence comprising two chords. A perfect cadence is chord V followed by chord I.
Tonality	<ul> <li>Eb Major</li> <li>Ambiguity - Opening in C minor and closing on an E♭ major chord. not</li> </ul>	27- Inversions - major or minor triads with either the third (first inversion) or the fifth (second inversion) in the bass.
	<ul> <li>always clear.</li> <li>Passing modulations - many are used, strengthened by perfect cadences but offen followed by parallel shifts, moving to a new key.</li> </ul>	28- Altered Chord - notes in a chord that have been sharpened or flattened by a semitone, such as a flattened fifth.
Structure	<ul> <li>Verse-chorus form: Intro-Verse 1-Chorus 1-Instrumental-Verse 2- Chorus 2-Guitar solo-Verse 3-Chorus 3-Outro.</li> </ul>	29- Pedal - a sustained or repeated note in the bass. Pedals are usually on the tonic or dominant notes, so would be called either a tonic or a dominant pedal.

# <u>YEAR 9 — MICHAELMAS TERM — MUSIC TECHNOLOGY— MIDI EDITING (RHYTHM)</u>



Note	Name	Duration	Piano roll	Snan/Quantise	1-DAW (Digital Audio Workstation): a digital system designed for recording and
iote	Somibrovo		1 12 13 14		editing digital audio It may refer to audio bardware, audio software, or both
$\mathbf{O}$	Seminibileve	4		1/1	2-MIDI (Musical Instrument Digital Interface): the interchange
					of <b>musical</b> information between <b>musical</b> instruments, synthesizers and computers.
1	Dotted	3	1 12 13 14 Classic Bectlic Plane	2	<b>3-MIDI controller:</b> any hardware or software that generates and transmits MIDI data
	Minim	U			to electronic or digital MIDI-enabled devices, typically to trigger sounds
0.	WIIIIII				and control parameters of an electronic music performance.
	Minim	2	1 12 13 14 CAI Closele Electric Plane	1/2	4-Sequencer: a software application or a digital electronic device that can record,
2					save, play and edit audio files.
			1 12 13 14	(ž)	5-Arrange Window: the main window of Logic Pro. It incorporates other Logic Pro
l	Dotted	1 1/2	Casala Estatis Pare	-	editors and it's where you do most of your work.
J.	Crotchet				6-Drum Machine: An electronic device containing a sequencer that can be
1	Crotchet	1	1 12 13 14 🕑 Classis Electric Plane	1/4	programmed to arrange and alter digitally stored drum sounds.
	Grötenet	-		1/1	7-Tempo: the pace or speed at which a section of music is played.
					8-BPM (beats per minute): how many beats in some song appear in a minute, and it
	Dotted	3⁄4	Classic Electric Plane	-	describes the tempo of the song.
).	Quaver				<b>9-Rhythm</b> : the arrangement of sounds as they move through time.
	č		1 12 13 14	2	<b>11-Snap</b> : A function that causes audio, MIDI, or other events in a DAW to
1	Quaver	1/2	Clussic Bettric Plane	1/8	automatically " snap" or jump to the nearest division in a time "grid" in the DAW.
<b>)</b> /					12-Quantise/Quantisation: the rhythmic correction of audio or MIDI regions to a
	The last	1/2	1 12 13 14	1 (0 + 1 + - (1 / 1 2)	specific time grid.
	Triplet	1/3 each		1/8 triplet (1/12)	<b>13-Velocity</b> : the force with which a note is played, and it is vitally important in making
•••	quavers				mochanical
7	Semiquaver	1⁄4	1 12 13 14 (2) Cusasi Histohi Paris	1/16	14-Pitch: how high or low a note is
P	-		-		<b>15-Pitch Bend</b> : an electronic device that enables a player to bend the pitch of a note
					being sounded on a synthesizer, usually with a pitch wheel strip, or lever
۰.					<b>16-Scale</b> : any set of musical notes ordered by fundamental frequency or nitch
elat	ing stave pitc	hes to DAW	/ Piano & Drum re	olls for inputting notes	A scale ordered by increasing pitch is an ascending scale, and a scale ordered by
					decreasing pitch is a descending scale.
	$5 \perp 1$	TT			<b>17-Fader:</b> a device for gradually increasing or decreasing the level of an audio signal.
					<b>18-Master fader</b> : The fader, which controls the main output(s) of the console during
-	T				mixdown.
					KEY QUESTIONS
					Q1: Each box in the editing window is worth what note & duration length?
	CDE	FGA	B-O-D E	FGABC	Semiquaver (1/4 beat)
-	1		•		Q2: On the Piano roll, which C is the same pitch as 'Middle C'?
-					C3

S

Q

Q3: What is the name of the DAW that we use?

Logic Pro	<b>X</b>
Q4: If I want to edit a note to be perfectly in time to the beat, I would use what function?	
Quantisatio	on
<b>Q5</b> : The Kick on a drum machine/drum kit is on which key of the drum roll?	
C1 and/or I	31





41

C3

	east/west/centre of England/Scotland of Wales/(Northern) Ireland	I go horseriding/cycling I swim in the sea I go out with my friends I play the guitar I work as a volunteer I work as a volunteer I work TV I go to the sports centre/to the park/ I go to the sports centre I go for a walk		from time to time once a week two or three times a year (almost) never	The climate is hot/sunny. It's foggy/stormy. There are showers. It's cloudy.	being in touch with friends doing martial arts doing water sports going to the cinema/ice rink going shopping reading (loads of magazines) using the computer watching films I prefer to spend the summer abroad/in Spain on the coast/in the country in the mountains/in the city	with my best friend alone How did you travel? I travelled by coach/plane by boat/car/train	I arrived at the airport late I lost my mobile I lost my mobile I took photos I took photos I took photos I had an accident on the beach I had an accident on the beach I was sick on a roller coaster You can discover the Picasso Museum enjoy the gothic quarter walk along Los Ramblas go up the Columbus Monument see the boats in the port		a disaster What was the weather like? It was good/bad weather. It was hot/cold/sunny/windy. It was foggy/stormy. It rained/snowed.
	este/oeste/centro de Inglaterra/Escocia de Gales/Irlanda (del Norte)	monto a caballo/en bici nado en el mar salgo con mis amigos/as toco la guitarra trabajo como voluntario/a veo la tele voy al polideportivo/al parque/ a un centro comercial voy de paseo		de vez en cuando una vez a la semana dos o tres veces al año (casi) nunca	El clima es caluroso/soleado. Hay niebla/tormenta. Hay chubascos. Está nublado.	estar en contacto con los amigos hacer artes marciales hacer deportes acuáticos ir al cine/a la pista de hielo ir de compras leer (un montón de revistas) usar el ordenador ver peliculas Prefiero veranear en el extranjero/en España en la montaña/en la ciudad	con mi mejor amigo/a solo/a ¿Cómo viajaste? Viajé en autocar/avión en barco/coche/tren	llegué tarde al aeropuerto perdi mi móvil saqué fotos tomé el sol tuve un accidente en la playa vi un partido visité el Park Güell visité el Park Güell vomité en una montaña rusa puedes descubrir el Museo Picasso disfrutar del Barrio Gótico pasear por las Ramblas subir al Monumento a Colón er los barcos en el puerto		un desastre ¿Qué tiempo hizo? Hizo buen/mal tiempo. Hizo calor/frío/sol/viento. Hubo niebla/tormenta. Llovió/Nevó.
Common	there do you live? ive in the north/northeast/northwest south/southeast/southwest	hat do you do in summer? summer/winter I chat online I cook for my family I download songs I write emails I go swimming/skiing/windsurfing I play basketball/football	Semana	How often? always often every day sometimes	What's the weather like? It's good/bad weather. It's hot/cold/sunny/windy. It's raining/snowing. The weather is changeable.	What do you like doing? I'm addicted to I'm a fan/fanatic. given that/since I prefer I like I love My dod) likes We love diving being outdoors Semana	Where did you go da a week/month/year ago a week/months/year ago two weeks/months/years ago l went on holiday to France/Italy/Turkey Who did you go with? I went with my family/school	Ihat did you do? st free free free free free free he best thing was when he best thing was when he best thing was when he are lots of ice creams 1 went to the aquarium 1 went sightseeing 1 went sightseeing	Semana 4	How was it? liked it/l loved it. had a great time. had a good/bad/awful time. t was unforgettable/incredible impressive/awesome awful
	¿Dónde vives? W Vivo en el II norte/noreste/noroeste sur/sureste/suroeste	¿Qué haces en verano? W En verano/invierno In chateo en la red cocino para mi familia descargo canciones escribo correos hago una barbacoa juego al baloncesto/fútbol		¿Con qué frecuencia? siempre a menudo todos los días a veces	¿Qué tiempo hace? Hace buen/mal tiempo. Hace calor/frío/sol/viento. Llueve/Nieva. El tiempo es variable.	¿Qué te gusta hacer? Soy adicto/a a Soy un(a) fanático/a de ya que/dado que/puesto que Prefiero Me gusta Me filpa/Me apasiona No me gusta (nada) Odio A (mi padre) le gusta bucear estar al aire libre	¿Adónde fuiste de vacaciones? hace una semana/un mes/un año hace dos semanas/meses/años fui de vacaciones a Francia/Italia/Turquía ¿Con quién fuiste? Fui	Qué hiciste? V primero més tarde més tarde después después l'inalmente Lo mejor fue cuando a prendí a hacer vela comí muchos helados comí muchos helados comré recuerdos descansé fui al acuario hice turismo		¿Qué tal lo pasaste? Me gustó/Me encantó. Lo pasé bomba/fenomenal. Lo pasé bien/mal/fatal. Fue inolvidable/increible impresionante/flipante horroroso

# <u>YEAR 9 — MICHAELMAS TERM — SPANISH - VOCABULARIO DE GCSE (VALE HIGHER)</u>



<u>YEAR 9 — MICHAELMAS TERM — SPANISH</u>	- VOCABULARIO DE GC	<u>se (vale Higher)</u>		LEARNING -	LOVIN
urious dem all sy tet VThere was/were VThere was/were VThere was/were all it have was neither nor was neither nor was neither nor was neither nor was neither nor all it have was neither nor was neither nor so i spoce for my tent	touristic  of atmosphere/traffic of pollution/people of green spaces of places of interest of discos	with a bath/shower with double bed with horeakfast included with half board with full board with sea view or how many nights? from the to the of an you speak more slowly?	There is no I need toilet paper soap/shampoo towels/a hairdryer Helpl tr's unacceptable. I'm sorry. The hotel is full.	There is no I need toilet paper soap/shampoo towels/a hairdryer Help! It's unacceptable. I'm sorry. The hotel is full.	we arrived as very late is tired reception was already closed

Semana 4 Parte 2

¿Cómo era el hotel? Me alojó/Me quede... Nos alojamos/Nos quedamos... en un albergue juvenil en un partamento en un partamento en un partador en un parador en una casa rural en una pensión Fui de crucero. Estaba...

cerca de la playa en el centro de la ciudad en las afueras

acogedor(a) antiguo/a barato/a caro/a

Era..

era que era... demasiado/muy/bastante...

animado/a

bonito/a

¿Cómo era el pueblo? Lo bueno/Lo malo...

del pueblo... de la ciudad...

Quisiera reservar...

pintoresco/ histórico/a

aire acondicionado.

wifi gratis.

¿Hay.

en el hotel/las habitaciones? ¿Cuánto cuesta una habitación...? ¿A qué hora se sirve el desayuno? ¿Cuándo está abierto/a el/la...? ¿Se admitte nerros? Quisiera reservar...

una habitación individual/doble

Quiero quejarme

con/sin balcón

Quiero hablar con el director. Quiero cambiar de habitación. El aire acondicionado... El ascensor...

La ducha... La habitación... está sucio/a Quiero hablar con el director. Quiero cambiar de habitación.

Quiero quejarme

no funciona Hay ratas en la cama.

La luz...

El aire acondicionado... El ascensor...

La habitación...

La ducha...

está sucio/a no funciona

La luz.

	big huxurious modern smal noisy quiet in had/There was/were in had/There was/were noisy quiet in had/There was/were noisy thad it have o car park a bar a carbant a		touristic It had lots of atmosphere/traffic lots to do lots of pollution/people lots of green spaces lots of discos		with a bath/shower with double bed with breakfast included with half board with full board with sea view For how many nights? For nights for how many nights? For nights from the to the of Can you speak more slowly? Can you speak more slowly?		There is no I need toilet paper soap/shampoo towels/a hairdryer Help! It's unocceptable. I'm sorry. The hotel is full.		Ihere Is no I need toilet paper soap/shampoo towels/a hairdryer Help! It's unacceptable. I'm sorry. The hotel is full.		When we arrived it was very late it was very late the reception was already closed the reception was already closed to comp to decide (to) to hire bicycles to catch/take the cable car to actoh/take the cable car the matcoway becutiful
	grande ujoso/a moderno/a pequeño/a tranquilo/a Tenia/Habia No tenia ni ni No tenia ni ni No tenia ni ni No tenia ni ni tum gimasio (un) barcamiento (un) barcamiento (un) carteeria (un) disavaderia (un) piscina cubierta (una) disavaderia (una) piscina cubierta mucho espacio para mi tienda		turistico/a Tenia mucho ambiente/tráfico mucho que hacer muchos espacios verdes muchos lugares de interés muchas discotecas	ina 6	con bañera/ducha con cama de martrimonio con desayuno incluido con media pensión con pensión completa con vistas al mar para noches del al de ¿Puede repetir, por favor? ¿Puede hablar más despacio?		No hay Necesito papel higiénico jabón/champú toallas/(un) secador ¡Socorro! Es inaceptable. Lo siento/Perdone. El hotel está completo.	ana 7	No hay Necesito papel higiénico jabón/champú toallas/(un) secador ¡Socorro! Es inaceptable. Lo siento/Perdone. El hotel está completo.		Cuando llegamos era muy tarde estaba cansado/a la recepción ya estaba cerrada acampar decidir alquilar bricicletas coger el teleférico decidir alquilar bricicletas coger el teleférico hacer alpinismo volver el paisaje la autopista precioso/a
and the second se	What was the hotel like? Istayed We stayed We stayed We stayed in a opertment on a campsite in a state-run luxury hotel in a state-run luxury hotel in a guest hotel in a guest buse the actual in a guest buse twent on a cruise. It was welcoming otheap	expensive Semana 5	What was the town/village like? The good thing/The bod thing about the town/village was that it was too/very/quite lively pretty historic picturesque	Sema	I would like to book Is/are there is/are wifi air conditioning in the hote/the rooms? What time is breakfast served? When is the supplement for? Are dogs allowed? I would like to book a single/double room with/without hotorom	WITH/WITHOUT DAILONN	I want to complain I want to speak to the manager. I want to change rooms. The lift The shower The shower The room the light doesn't work There are rots in the bed.	I want to complain	I want to speak to the manager. I want to change rooms. The air conditioning The shower The room is dirty The light doesn't work There are rats in the bed.	Mv disastrous holidav	Unfortunately On the one hond on the other hand (On) the first/last day On the following day On the following day I had/We had an accident/a preakdown I had to/We had to wait a long time go to the hospital/to the police station call a mechanic I lost/We lost the luggage/the wallet the suitcase/the keys



Pris vacationes ureassi rosas Por un lado... por otro lado... El primer/utitimo día Al día siguiente Tuve/Tuvimos... un accidente/un pinchazo un retraso/un avería Tuve/Tuvimos que... esperar mucho tiempo ir al hospital/a la comisaría Illamar a un mecánico Perdi/Perdinos... el equipaje/la cartera la maleta/las llaves

Mis vacaciones desastrosas

Hay ratas en la cama.

43

### <u>YEAR 9 — MICHAELMAS TERM — FRENCH — KEY VOCABULARY</u>

			M1 Semaine 1
La ramille le beau-père le beau-frère la belle-sœur le demi-frère la demi-sœur	Family members stepfather/father-in-law stepmother/mother-in-law brother-in-law sister-in-law half-brother/stepbrother half-sister/stepsister	la fille le fils l'enfant/le petit-enfant le mari/l'ex-mari (m) la femme/l'ex-femme (f)	daughter son (grand)child (ex)hisband (ex)wife
Les adjectifs de personnalité Il/Elle est agaçant(e) aimable amusant(e) bavard(e) charmant(e) drôle égoïste fidèle fort(e) généreux/-euse genti((le)	Personality adjectives He/She is annoying likeable amusing/funny arrogant talkative/chatty charming funny selfish loyal strong generous kind	impatient(e) jaloux/-ouse méchant(e) paresseux/-euse poli(e) sage sensible serieux/-euse sympa(thique) tétu(e) travailleur/-euse triste	M1 Semaine 2 impatient jealous nasty/mean lazy polite well-behaved, wise sensitive senous nice stubborn/pig-headed hard-working sod
Ma docrintion nhucinuo	Mu nhueiral daerintian		M1 Semaine 3
Jai les cheveux courts/longs/mi-longs raides/bruns/châtains blonds/roux/gris/blancs Jai les yeux bleus/verts gris/marron Jai des boutons	I have hair short lang/mid-length straight/curly black/brown/chestnut blaue/green grey/brown I have spots	une barbe/une moustache Je suis petit(e)/grand(e) de tailte moyenne mince/gros(se) beau/belle joli(e) moche Je porte des lunettes.	a beard/a moustache I am short/tall of average height silm/fat beautiful pretty ugly I wear glasses.
En ville	In town		M1 Semaine 4
la boite de nuit le bowling le café le centre commercial le cinéma les magasins (m) la patinoire la piscine la pisge	night club bowling alley cafe shopping centre cinema shops ice rink swimming pool beach	le théâtre dans derrière devant entre en face de à côté de près de	theatre in behind in front of between opposite next to near
Quand?	When?		M1 Semaine 5
aujourd'hui demain après-demain	today tomorrow the day after tomorrow	ce matin cet après-midi ce soir	this morning this afternoon tonight
Ľamitié	Friendship		M1 Semaine 6
Un(e) bon(ne) ami(e) est de bonne humeur compréhensif/-ive équilibré(e) honnête indépendant(e) modeste patient(e) sûr(e) de lui/d'elle	A good friend is in a good mood understanding balanced/levei-headed honest independent modest patient self-confident	Un(e) bon(ne) ami(e) n'est pas de mauvaise humeur déprimé(e) pessimiste pressimiste vaniteux/-euse vaniteux/-euse vaniteux/-euse vaniteux/-euse vaniteux/-euse vaniteux/-euse vaniteux/-euse prend soin de moi prend soin de moi voit le bon côté des choses	<ul> <li>A good friend is/is not</li> <li>in a bad mood depressed pessimistic pretentious concerted</li> <li>He/She believes in me always tells the truth makes care of me sees the positive side of things</li> </ul>



# <u>YEAR 9 — MICHAELMAS TERM — FRENCH — KEY VOCABULARY</u>

	Qualities		M1 Semaine 7
	a sense of humour patience generosity kindness	la fidéilité la modestie l'honnéteté (f) l'optimisme (m)	loyalty modesty honesty optimism
	Family relationships		M2 Semaine 1
	to confide in to argue with to get on well with to get angry with to be interested in	s'occuper de s'aimer se chamailler mort(e)/décédé(e) divorcé(e) (s) séparé(e) (s)	to look after to love each other to bicker with each other dead separated
			Compiler C
	Describing family members adorable resourceful lively	extraverti(e) fragile instable	MLZ Jeffidiffe Z outgoing frogie unstable
	energetic	introveru(e)	
	Going out		M2 Semaine 3
	I'm going/You're going/We're going to go the match to go shopping to go ice-skating to eat in a fast-food restaurant to go to the cinema to go skateboarding to see a show to play video games to come to my house	Tu veux venir? Tu peux venir? On se retrouve quand? à quelle heure? Tu y vas avec qui? comment? D'accord. À plus!/À plus tard!	Do you want to come? Can you come? When will we meet? Where? At what time? At what time? Mho are you going there with? How? OK. See you later!
	ana alata a alata are		M2 Semaine 4
202022	ast night ast night it 8 p.m. iss to all ifterwards then visited the museum saw a match/an exhibition ate in a restaurant refused to eat drank a cola	dit «au revoir» embrassé Je suis/IVElle est/Nous sommes allé(e)(s) dann pub resté(e)(s) dans un restaurant sorti(e)(s) monté(e)(s) dans le bus rentré(e)(s) à la maison tombé(e)(s) à la maison tombé(e)(s) amoureux/-euse(s)	said 'good-bye' kissed he:She/We went to a pub stayed outside on the terrace went into a restaurant went into a restaurant left got on the bus went home fell in love
	alkine about vour childhood		M2 Semaine 5
-	Mhen I was younger, I lived with (my mum and dad) I went to primary school I had (blond hair) I was (cute)	je jouals (à «cache-cache») j'aimais (les bonbons) je détestais (les épinards) je portais (un maillot du PSG) je rêvais d'être	I played (hide and seek') I liked (sweets) I hated (spinach) I wore (a PSG shirt) my dream was to be a
	title do son adarbase		M2 Semaine 6
	Wy role and you admire? My role model is called My heroined is I would like to be like him/her. I admire his/her creativity. He/She impresses me a lot worked very hard to become became	aide/a aidé a/avait du courage/de la déterminati est/était courageuv/-euse face à des dangers terribles lutte/a lutté pour a obtenu a sauvé la vie de Čest un enfant adopté, comme mol.	helps/helped has/had courage/determination is/was/had courage/determination is/was/haught for fights/fought for obtained/gat saved the life of He/She is adopted, like me.
E Pre	Each test is made vious week voce	e of 20 questions. abulary can be use	q.

45

ļ

I į

# YEAR 9 — MICHAELMAS TERM - STATISTICS — COLLECTION OF DATA

Vocabulary	
Primary data	Data you have collected yourself
Secondary data	Data that comes from published sources
Qualitative data	Data that uses words
Quantitative data	Data that uses numbers
Discrete data	Quantitative data that which is counted
Continuous data	Quantitative data which is measured
Bivariate data	Data sets that uses two variables
Ranked data	Discrete data that is put it order
Hypothesis	A hypothesis is a statement of belief about some aspect of a population
Control	A control in an experiment is designed to check the hypothesis, and is compared to the standard.
Population	All the data that you are interested in
Sample frame	A list that includes every population from which a sample is to be taken
Sample	A sample can be taken and used to make predictions about a population.
Pilot study	Using a small sample of data to see if meaningful results can be obtained

#### Important Ideas

Categorical data can be sorted in to groups of data types.

You can carry out experiments or make observations to see if your hypothesis is supported by the data you collect.

Question	Answer		
Data types		Samples	• •
<ul> <li>What type of data is the following:</li> <li>1) Number of seagulls on a beach</li> <li>2) The weight of a bag of sugar</li> <li>3) The name of a town</li> <li>4) The score you got on your last test</li> </ul>	<ol> <li>Quantitative – discrete</li> <li>Quantitative – continuous</li> <li>3) Qualitative</li> <li>Quantitative – discrete</li> <li>Quantitative - continuous</li> </ol>		•
5) The time taken to run a marathon			Th
Sampling		Designing investigations	•
Sarah wants to find out how many of the 250 students in his year bring a mobile phone to school. She decides to ask 10 of his friends (a) Write down two reasons why this is not a good	<ul> <li>(a) It's too biased - her friends are likely to do similar things - the sample is too small.</li> <li>(b) She should take a random sample of 30 or more using a list of all the students in her year.</li> </ul>		•
sample (b) Explain how Sarah could take a better sample			Yo
Experimental design			ро
Malique wants to know whether drinking a certain tea will help with weight loss. Design an experiment for Malique.	<ol> <li>Select two groups of people at random</li> <li>Weigh each person</li> <li>One group drink the tea.</li> <li>Re-weigh all the people after a certain amount of time.</li> </ol>	Estimation	est Pro tha po



Key Facts & Formula

### GOOD samples:

- Are as large as possible
- Are unbiased
- Have a suitable time frame

#### BAD samples:

- Are too small
- Are biased
- Are out of date, have people missing or counted twice, incorrect names on the list

# he DATA HANDLING

- Specify the problem and plan
- Collect data from a variety of sources
- Process and represent the data
- Interpret and discuss data

You can infer characteristics of a population using estimation and sampling:

Proportion of sample with that characteristic x population size

# YEAR 9 — MICHAELMAS TERM - STATISTICS — COLLECTION OF DATA



Important Ideas				Key Facts & Formula			
Samples don't give you information about every member of the population so the data can be less accurate and may be biased		Question	Answer	Rey facts & for	Advantage	Disadvantage	
You can use summary statistics to make estimates of population characteristics		Population and sampling		Questionnaire	Much	• Non-	
<b>Vocabulary</b> Bandom	Every member of the population has an	You want to find out the average amount of pocket money received by students in your school. Describe how you would get a random	Get a list of all 748 students (a sample frame) and number them 1 to 748. Generate 40 random numbers (using a random number table or computer) between 1 and 748. Match the 40 random numbers to the students to create the sample.		<ul> <li>Each person answering the question is treated the same way</li> </ul>	<ul> <li>People may misunder- stand some questions</li> </ul>	
sampling	equal chance of being selected.	sample of 40 from a population of 748 students.					
Stratified sampling	Stratified sampling gives the different groups in the same sample an amount of representation that's proportional to how big they are in the population.			Interview	<ul> <li>Interviewer can explain complex questions</li> <li>Interviewer can follow up on unclear</li> </ul>	<ul> <li>Interviewe r may be biased</li> <li>Can be costly</li> </ul>	
Judgement sampling	Uses judgement to select a sample that is representative of the population	Estimation					
Opportunity sampling	Uses the people or objects that are available at the time.	from her garden pond and carefully marks each before			responses		
Cluster sampling	Used when the population is in groups. A random sample of these groups is selected and all items in the selected groups are include in the sample.	The next day she captures 20 frogs and finds that 10 are marked. Estimate the number of frogs in her pond.	$\Rightarrow N = 60 \text{ frogs}$		Assumpti	$\frac{n}{N} = \frac{m}{M}$ Assumptions:	
Quota sampling	Splitting the population into groups wit certain characteristics and selecting a given number from each group.	Collection of data Rajan plans to distribute his questionnaire abut public	<ul> <li>a) Advantage – it should be quick and cheap to carry out.</li> <li>Disadvantage – the results may be biased depending on who takes a questionnaire and who responds.</li> <li>b) He could enter people who respond in a prize draw</li> </ul>	Petersen Captur recapture	re- All memb populatic populatic likely to b	population All members of the population are equally likely to be captured. Capture and marking does not affect recapture & markings are not lest	
Systematic sampling	Items are selected from the population at regular intervals either in time or in space.	<ul> <li>transport by handing out</li> <li>copies in his town centre</li> <li>a) Give one advantage and</li> <li>one disadvantage of</li> <li>Rajan's plan for</li> <li>collecting data</li> <li>b) B) Suggest one way</li> <li>Rajan could reduce the</li> <li>number of non-</li> <li>responses</li> </ul>			Capture a not affect markings		
Explanatory variable	The "cause" variable				Sample is represen	big enough to be ative	
Response variable	The "effect" variable			e	Number i each stra	Number in sample for each stratum: stratum size population size × number in sample	
Extraneous variable	A variable you are not interested in which could affect your results			Stratified sampling	ing stratum size population size		

# MICHAELMAS TERM- PSHE -BRITISH VALUES

# 💩 LEARNING - LOVING - LIVING

Key term	Definition	Г	9			
1. Democracy	a system of government which allows citizer (18+) to vote and take part in how the count run.	ns try is	Why do you need to Know British Values? Understanding British values are the key values that are believed to fundamental to being a British citizen and for life in modern British			
2. Tolerance	the ability or willingness to accept the exister of opinions or behaviour that one dislikes or disagrees with.	ence	society. There are 5 fundamental British Values. The UK government have been promoting British Values, especially in schools, for over 10 years. The goal is through understanding the British values of			
3. Liberty	the state of being free within society from harsh restrictions imposed by authority on one's way o life, behaviour, or political views.		<b>Democracy, the Rule of Law, Individual Liberty, Mutual Respect, and</b> <b>Acceptance</b> for those with different faiths and beliefs, all citizens will develop self-knowledge, be better able to make the right choices and make contributions to the school and the wider community creating			
4. Law	Rules made by Parliament and enforced by the courts.		social cohesion.			
5. Respect	Treating a person or their feelings with consideration.		Democracy In the United Kingdom we vote (age 18 +) for the people we want to run our councils and Government. We vote for Members of Parliament (MP's). Elections take place at least once every 5 years. In our democracy there are <b>political</b> parties. At the time of writing the political party who has the majority of MP's in Parliament is the Conservative Party. Labour are currently the opposition Party. MP's debate in the Palace of Westminster, in the <b>House of Commons</b> . On the opposite side of the Building is the House of Lords. The House of Lords (unelected members) <b>ratify</b> law and <b>policies</b> put forward by parliament.			
6. Golden rule	Treat others as you would like to be treated.					
7. Nationalism	A strong feeling or belief in the rightness of ones country.					
8. House of Commons	The more powerful of the two parts of the British Parliament. The members are elected by the public.					
9. Bill	A proposal to change something into law.					
10. Social Cohesion	Shared sense of belonging for all groups in society.		Where can I see British Values at School? Democracy – Student voice and prefects.			
11. council	a body of people elected to manage the affairs of a city, county, or other municipal district	L 13. policies	a course or principle of action adopted or proposed by an organization or individual	CULTURE Green Traditions Different ELLEF Tolerant		
12. ratify sign or give formal consent to (a treaty, contract, or agreement), making it officially valid		14. political	relating to the government or public affairs of a country	When an		

TICULTURALLIBERTY

# MICHAELMAS TERM- PSHE - BRITISH VALUES

Key term	Definition		
15. consequences	a result or effect, typically one that is unwelcome or unpleasant.		
16. principle	a rule or belief governing one's behaviour		
17. accountable	required or expected to justify actions or decisions; responsible		
18. institution	an organization founded for a religious, educational, professional, or social purpose		
19. reconciled	restore friendly relations between		
20. extremist	a person who holds extreme political or religious views, especially one who advocates illegal, violent, or other extreme action		
21. discrimination	the unjust or prejudicial treatment of different categories of people, especially on the grounds of race, age, or sex		
22. dignity	the state or quality of being worthy of honour or respect		
23. reciprocated	respond to (a gesture or action) by making a corresponding one		
24. radicalised	advocating or based on thorough or complete political or social change; representing or supporting an extreme or progressive section of a political party		
25. ethnicity	the fact or state of belonging to a social group that has a common national or cultural tradition		

### The rule of law

In the UK, we have laws which determine what is legal and illegal. You are expected to know the difference between right and wrong. There are **consequences** for making the wrong choice or taking illegal actions. We all take responsibility for our actions. The rule of law is a principle that individuals and **institutions** are subject and **accountable** to, which is fairly applied and enforced.

Where can I see British Values at School? Rule of Law – Our Behaviour Systems and Behaviour Policy. We have agreed rules and expectations so that our school is a safe and happy place where all differences are reconciled peacefully and learning can take place.



**Individual liberty** 

In the UK you are free to have an opinion (unless it is **extremist**) and believe in what you want without **discrimination**.

Where can I see British Values at School? Mutual Respect – Our school ethos of being outstanding Trinitarians encourages us to show respect, anti-bullying and assemblies. Boundaries are used to ensure you are safe.

# The acceptance and tolerance of those with different faiths and beliefs and for those without faith.

Mutual Respect and Tolerance are the proper regard for an individuals' **dignity**, which is **reciprocated**, and a fair, respectful and polite attitude is shown to those who may be different to ourselves. We are to protect one another and to tackle 'extremist' views and prevent people from being **radicalised**. Differences in terms of faith, **ethnicity**, gender, sexuality, age, young carers and disability, are differences that should be respected, tolerated and celebrated.

Where can I see British Values at School? Acceptance of differences – Assemblies, RE, Citizenship and PSHE Lessons. As a Christian school we following the teaches of Jesus who said we should 'love thy neighbours' We give you messages of tolerance and respect for others no matter what their ethnicity, beliefs, sexuality, gender or disability.