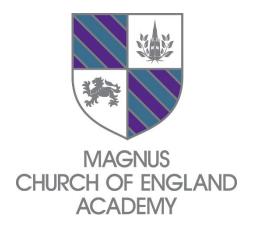
Student Name:



Knowledge Organiser: November 2024 Year 9

"Wise men and women are always learning, always listening for fresh insights."

Proverbs 18:15 (The Message)

Using Your Knowledge Organiser

Your teachers have worked hard to produce this document for you and have selected the most important knowledge that you will need to know to make good progress in their subjects. You should aim to learn all the information in your knowledge organiser off by heart.

Try out some of the strategies listed here to help you achieve this.

- 1. Read the knowledge organiser and ensure you understand it. Try and make links between the information on it and what you already know and do.
- 2. Look, Cover, Write, Check the traditional way of learning spellings!
- 3. Create a Mnemonic Using the first letters of keywords create a memorable sentence or phrase.
- 4. Create an acronym using the first letters of keywords to create a word to prompt you to remember all of the information.
- 5. Write it out in full on a blank version of the same format.
- 6. Write it out in note form, reducing it to key ideas or words. Try the same format but a smaller piece of paper.
- 7. Recreate the knowledge organiser as a series of images and words

- 8. Write a set of test questions for yourself using the organiser.
 - Answer these without the organiser the next day.
 - Swap your questions with a friend to increase challenge.
 - Turn your questions in to a game by putting them on cards and playing with friends.
- 9. Chunk the knowledge into smaller bitesize sections of around 5 pieces of information. Concentrate on mastering a chunk before you start on the next.
- 10. Try to make connections between the information and people you know. E.g. Visualise yourself trying these strategies with a specific teaching group.
- 11. Talk about the information on the knowledge organiser with another person. Teaching someone else about it helps us learn it.
- 12. Say the information out loud rehearse it like learning lines for a play, or sing it as if you are in a musical!

Year 9 Half term two key vocabulary

English	<u>Maths</u>	<u>Science</u>	<u>RE</u>
Unkempt	Parallel	Stem cell	Buddha
Stoic	Perpendicular	Differentiation	The Four Sights
Tranquil	Midpoint	Meiosis	Jataka
Unnerving	Substitute	Mitosis	Ascetic
Bilious	Gradient	Gamete	Meditation
Metaphor	Y intercept	Cell Cycle	Enlightenment
Simile	Vector	Meristem	Mara
Personification	Column Vector	Clone	Impermanence
Oxymoron	Coordinate	Zygote	Dhamma
Pathetic fallacy	Cartesian grid	Noble gases	The Three Jewels
History	Geography	Spanish	<u>IT</u>
-	<u>Geography</u> Diverse	Noun	<u>II</u> Ethernet
Democracy			
Autocracy	Region	Adjective	Wi-Fi -
Tsar	Population	Verb	Topology
Communism	Sparsely Populated	Connective	VPN
Revolution	Densley Populated	Opinion verb	Network
Peasant	Poverty	Infinitive	Node
Worker	Sedimentation	Frequency expression	Links
Abdicate	Hydrocarbons	Conjugate	Client
Bolshevik	Groundwater	Adjectival agreement	Server
State	Conflict	Wow phrase	LAN
		Exclamation	
<u>PE</u>	<u>Drama</u>	<u>Dance</u>	<u>Art</u>
Outwit	 Devising	Stimulus	Symmetry
Opponents	Physical Theatre	Motif development	Measure
Performance	Exploratory Strategy	Space	Precise
Efficiency	Structure	Relationships	Form
•	Theatre Practitioner		
Application		Representational movement	Negative space
Tactics	Freeze Frame	Symbolic movement	Tone
Fluency	Improvise	Choreographer	Observational
Aesthetic	Movement	Dance appreciation	Contrast
Warm-up	Body Language	Performance skills	Perspective
Cool-down	Contemporary	Technique	Accuracy
Technology	<u>Food</u>	<u>Music</u>	<u>PSHE</u>
Flush	Macronutrient	Lead Sheet	Specific
Tolerance	Micronutrient	Riff	Measurable
Dowels	HBV	Hook	Attainable
Reinforce	LBV	Melody	Relevant
Rebate	Protein complementation	Verse	Time-bound
Router	Function of protein	Chorus	Problem Solving
Batches and mass production	Deficiencies of protein	Bridge Section / Middle 8	Curriculum Vitae
pateries and mass production	Deficiencies of protein		
		Intro	Careers
ı		Outro	Values
		Song structure	Aspirations

Year 9 — English – Descriptive Writing

1. Structure—Zooming		
Introduce a setting with a wide shot	Start your writing by imagining you are describing the contents of a photograph of your setting. <i>For example</i> : You could be describing an abandoned farm. You might describe the ground, the walls of the empty barns and a rusty farm gate.	
Zoom in to a particular detail or feature	Then, write in more detail about one particular part of that image. For example: You could then describe that farm gate. The broken bottom bar, the rusty latch, the rotten hinges.	
Zoom in for an extreme close-up	Now, focus on one small part of the detail you have zoomed in on. For example: You could describe an individual peeling fleck of brown-red rust, clinging onto the latch.	
Zoom back out and repeat with a character	Zoom back out to the original wide shot and describe something else in that shot. This should be your character. Describe the character stood in the scene (consider their clothes, how they stand, etc.) and then zoom in on a detail (their face, for example), then zoom in again (for example: sharp, angular nose; piercing pale blue eyes, deep wrinkles).	

2. Using parenthesis to add detail to a description

You can use parenthesis to add description to a noun. This can be a number of **adjectives** or **adverbs**, a **simile**, **metaphor**, or a **verb phrase**. You **must** separate it using commas.

Adjective: Noun, <u>adjective</u> and <u>adjective</u>, rest of sentence.

E.g. The sails, <u>wide</u> and <u>bright</u>, dominated the skyline.

Metaphor: Noun, <u>metaphor</u>, rest of sentence.

E.g The sky, <u>a demon predator waiting to</u> pounce, threatened every being under it.

Simile: Noun, <u>simile</u>, rest of sentence.

E.g. The sky, <u>like an unearthly and deadly creature</u>, dominated the skyline.

Adverbs: Noun, adverb, rest of sentence.

E.g. The sails, <u>angrily and rhythmically</u>, swung round in violent circles.

Verb phrase: Noun, <u>verb phrase</u>, rest of sentence.

E.g The sails, <u>waiting for a forceful gust of powerful wind</u>, swayed silently.

3. Key Vocabulary: Techniques and Devices		
Term	Definition	
Imagery	Visually descriptive or figurative language.	
	A way of describing something where you compare it to something it is not. It is made of three parts: the tenor , vehicle and ground .	
	Tenor: The thing you want to try and describe to your audience.	
Metaphor	Vehicle: The imaginative idea you compare the tenor with to help your reader understand it. This is the 'made up' bit.	
	Ground: The things the tenor and the vehicle have in common.	
	An extended metaphor is where the comparison is used again throughout the text.	
Simile	A type of metaphor that compares using 'like' or 'as.'	
Personification	A technique where something is described with human features/ qualities. This might be used to describe a setting as particularly scary or eerie.	
Zoomorphism	Describing something other than an animal using animal features or qualities. For example: "The wind roared."	
Sensory Description	A technique where you describe what you or a character can see, hear, touch, taste or smell.	
Emotive description	A description intended to make you feel certain strong emotions.	
Oxymoron	Using contradictory terms (having opposite meanings) in conjunction. For example: disgustingly beautiful.	
Pathetic fallacy	Where the weather reflects the mood of a character or atmosphere.	

Subject Terminology		
Parallel	Lines which always remain at equal	
	distance from each other.	
Perpendicular	Perpendicular lines are at right angles.	
	There is a 90° angle between them.	
Midpoint	The middle coordinate on a line	
Substitute	Replacing a variable with a value	
Gradient	The steepness of a line, calculated by:	
	<u>change in y</u>	
	change in x	
Y intercept	The value at which a line passes through	
	the Y axis.	
Vector	A line segment which has size and	
	direction	
Column Vector	The top number tells you x direction.	
	The bottom number tells you y direction	

Generating Table of Values

A table of values are the coordinates used to plot an equation of a straight line.

e.g. Plot the line y = 2x + 1 on the graph

x	-1	0	1	2
У	-1	1	3	5

1. Substitute all the x values into the equation

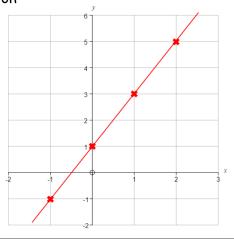
$$y = 2(x) + 1$$

$$y = 2(-1) + 1, y = -2 + 1, y = -1$$

$$y = 2(0) + 1, y = 0 + 1, y = 1$$

$$y = 2(1) + 1, y = 2 + 1, y = 3$$

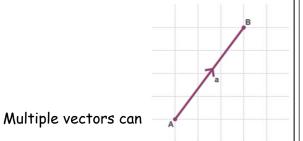
- 2. Plot the coordinates on the graph
- 3. Draw a line through



Vector

A vector between two points A and B is described as \overrightarrow{AB} , or a.

Shown is column vector $\binom{3}{4}$



Be added together to form new vectors.

Straight Line Graphs

Straight line or 'Linear' graphs can be expressed in the form:

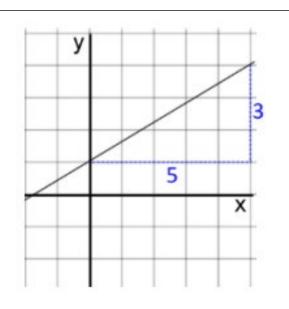
$$y = mx + c$$

In which m is the gradient and c is the y intercept (see the subject terminology for these definitions).

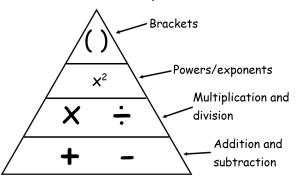
On the graph to the right, you can see that the y intercept is 1, as that's where the line goes through the y axis.

The gradient is calculated by $\frac{change in y}{change in x}$ so $\frac{3}{5}$.

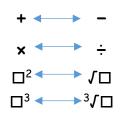
This means the line has the equation: $y = \frac{3}{5}x + 1$



Order of Operations



Inverse Operations



Multiplying Integers

If the signs are the same, the result is positive.

Adding Negative Numbers Add the numbers; end result is a positive E.g. 3 + 5 = 8 Find the difference between the numbers; end result takes the sign of the number with largest magnitude. E.g. 3 + - 5 = -2 Add the integers; end result is a negative -3 + -5 = -8

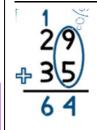
Square Numbers

DE	1.3
00	
21	
44	
	21

Cube Numbers

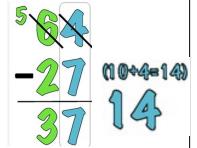
$1^3 = 1 \times 1 \times 1 = 1$
$2^3 = 2 \times 2 \times 2 = 8$
$3^3 = 3 \times 3 \times 3 = 27$
$4^3 = 4 \times 4 \times 4 = 64$
53 - 5 x 5 x 5 -125

Column Addition





Column Subtraction



Written methods

Multiplication (Grid method)

 26×5

×	20	6
5	100	30

The 26 is broken into 20 and 6. These numbers are multiplied as shown.

The results are then added, 100 + 30 = 130.

Division (Bus stop)

6 doesn't divide into 1, so the 1 carries.

6 divides into 18, 3 times.

6 divides into 6, once.

Rounding (to different degrees of accuracy)

* 5 and above rounds up *

24.356 To the nearest integer (whole number)

24

24.3<u>5</u>6

To 3 significant figures (starting at first non-zero digit)

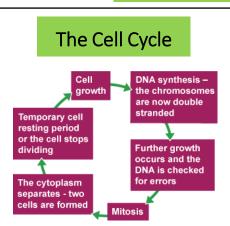
24.4

24.356 To 2 decimal places (digits after the decimal point)

24.36

Draw in your line then check the number to the right

Paper 1 Subject: Science - Biology



	differentiate	bone marrow	plant meristems	clones	
	stem cells	human embryos			
En	nbryonic stem cell	ls from	and adult st	em cells from	
		can be made to	into	many different ty	pes of cell
Tre	eatment with	ma	y be able to help co	nditions such as pa	ralysis.
Ste	Stem cells from are used to produce new plant				
for research, horticulture, and agriculture.					

Mitosis The cell begins to divide The DNA replicates to form two copies of each chromosome The nuclear membrane breaks down. The chromosomes line up across the centre of the cell One set of chromosomes is pulled to each end of the cell and the nucleus divides The cytoplasm and cell membranes divide to form two identical cells

Stem Cell Issues

Clinical issues

- No guarantee stem cell therapy works.
- Difficult to find suitable stem cell donors.
- Difficult to obtain and store a patient's embryonic stem cells.

Ethical issues

- A source of embryonic stem cells is unused embryos produced by in vitro fertilisation (IVF)
- Is it right to create embryos for therapy, and destroy them in the process?
- Embryos could come to be viewed as a commodity, and not as an embryo that could develop into a person.
- At what stage of its development should an embryo be regarded as, and treated as a person?

Social issues

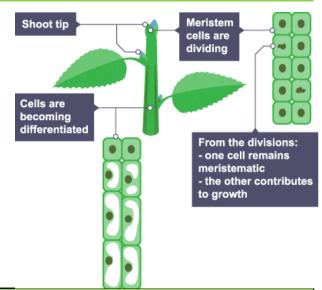
- The public needs educating about what stem cells can, and can't do, is important.
- Do the benefits of stem cell use outweigh the objections?
- The research is being carried out by commercial clinics, so reported successes are not subject to peer review.
- Patients could be exploited by paying for expensive treatments and being given false hope of a cure as stem cell therapies are only in their developmental stages.

Stem Cells in Plants

Cells of the meristem can differentiate to produce all types of plant cells at any time during the life of the plant.

Topic: B2 Cell Division

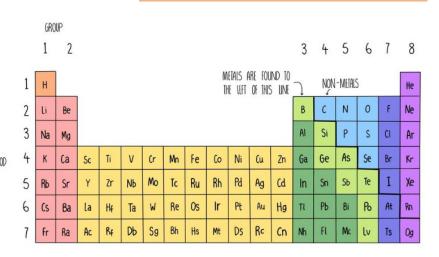
The main meristems are close to the tip of the shoot, and the tip of the root.



<u>Definition</u>	
Undifferentiated cells that have the ability to specialize into any cell type.	
When an unspecialized cell becomes a more specialized cell type.	
Two stage process of cell division that reduces the	
chromosome number of daughter cells. It is involved in	
making gametes.	
Part of the cell cycle where one set of new chromosomes is	
pulled to each end of the cell forming two identical nuclei	
during cell division.	
Sex cells. E.g. sperm and eggs	
The stages that a cell goes through as it is growing and	
dividing.	
A region in plant shoots and roots where cells are dividing.	
Genetically identical to the parent.	
A fertilized egg cell.	

Paper 1 Subject: Science - Chemistry

The periodic table of elements



Elements with similar properties are in columns, known as groups. These elements have the same number of electrons in their outer shell.

Period: These are the horizontal **rows** that show the number of shells of electrons an atom has and are numbered from 1-7

Elements in the modern periodic table are arranged in order of **proton number**

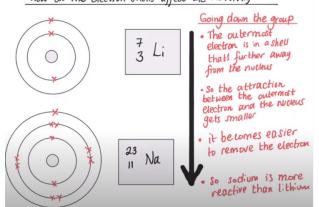
Property	Metals	Non-metals
Electron arrangement	1 — 3 outer shell electrons	4 - 7 outer shell electrons
Bonding	Metallic bonding due to loss of outer shell electrons	Covalent by sharing of outer shell electrons
Electrical conductivity	Good conductors of electricity	Poor conductors of electricity
Type of oxide	Basic oxides (a few are amphoteric)	Acidic oxides (some are neutral)
Reaction with acids	Many react with acids	Usually do not react with acids
Physical characteristics	Usually lustrous (shiny) Solid at room temperature (excluding mercury) Malleable, can be bent and shaped High melting and boiling points	Dull, non-reflective Different states at room temperature Flaky, brittle Low melting and boiling points

Metal and non metal properties

Group 1 reactivity

In **Group 1**, the reactivity of the elements **increases** going down the group.

How do the electron shells affect the reactivity?



Topic: C2 the periodic table

Key Word	<u>Definition</u>
Noble gases	The elements in Group 0 of the periodic table
Alkali metals	The elements in Group 1 of the periodic table
Halogens	The elements in Group 7 of the periodic table
Displacement reaction	A chemical reaction in which a more reactive element takes the place of a less reactive element from its compound

The development of the periodic table

- 1. Scientists originally attempted to classify the elements by arranging them in order of their atomic weights.
- 2. Some elements were placed in inappropriate groups as the strict order of atomic weights was followed.
- 3. Mendeleev overcame some of the problems by leaving gaps for elements that he thought had not been discovered.
- 4. Elements with properties predicted by Mendeleev were discovered and filled the gaps.

Group 7 reactivity

In Group 7, the reactivity of the elements decreases going down the group.







The last group of the periodic table is group 0. These elements have a complete outer shell of

Group 0 reactivity

electrons, electrons.

Since these elements have a complete outer shell they are unreactive so do not form molecules or compounds.

The group 7 elements want to gain one more electron so that they have a stable electronic structure. The **smaller** the atom, the easier it is to grab an electron from another atom, making the atom more reactive.

As you go down group 7, the atomic radius increases and it becomes more difficult to attract another electron.

Paper 1 Subject: Science - Physics

Non-renewable

Advantages

Reliable

Nuclear

- Does not produce CO₂ or SO₂.
- Produces 10000x more energy per kg than coal.

Disadvantages

- Produces waste that has to be stored for thousands of years
- · Has a long start up time
- Accidents have long-lasting effects
- Expensive to decommission (dismantle and remove waste)



STREET, SQUARE, SQUARE,	
1	
	The state of the state of

Environmental impacts

Topic: P3 Energy Resources

Carbon dioxide causes global warming. Sulfur dioxide causes acid rain.

Predictable

Subject Terminology

An energy resource that can be replenished.

An energy resource that cannot be replenished.

Reliable

• Does not produce CO₂ or SO₂.

Disadvantages

Geothermal

Renewable

Advantages

Renewable

Can only be used in volcanic areas.

Fossil Fuels

Non-Renewable

Advantages

- Reliable
- Cheap

Disadvantages

- Releases carbon dioxide which causes global warming
- Releases sulphur dioxide which causes acid rain



Advantages

- Renewable
- Does not produce CO₂
- Short start-up time

Disadvantages

Habitats are flooded to create the reservoir



Renewable

Advantages

- Renewable
- Does not produce CO₂ or SO₂.

Disadvantages

- Expensive
- Unreliable in areas that do not have much sun
- Do not work at night.

Wind

Renewable

Advantages

- Renewable
- No carbon dioxide released

Disadvantages

- Unreliable
- Visual pollution
- Noisy



NATURAL GAS

Wave Renewable

Advantages

- Renewable
- No fuel cost
- Does not produce CO₂ or SO₂.

Disadvantages

- Unreliable (less wind = less waves).
- Visual pollution
- Affects the habitats of marine life and birds.

Tidal

Renewable

Advantages

- Renewable
- Does not produce CO₂
- Reliable because we can predict the tides

Disadvantages

- Visual pollution
- The turbines kill fish that swim through them



Reliable

Renewable

Non-renewable







Middle East

- The Middle East is a term that was used by Europeans in the 19th Century.
- Traders used the term to be able to tell India and the Far East (e.g. China) apart.
- This term does not describe Geography or culture which is why many countries are called the Middle East.
- The Middle East is well-known for its wars and oil.

Boarders have created tension.

Global arguments about oil (politics).

Climatic Zones

The North:

- A Mediterranean climate
- 2 seasons
- Hot dry summers
- Wet and warm winters
- Water is scarce.

The South:

- Rain in May to September
- Daytime temperature rises to 52 degrees Celsius.

'		
		Sedir

•	The Arabian Peninsula is mostly
	desert.

Water Shortage

- Rising populations and limited water supplies cause water shortages.
- The Middle East is ranked 14th in the world for worst water shortage.
- The groundwater table is falling 6 meters each year.
- Water supplies are limited to a few hours per day.

Ankara • TURKE	Black Sea O 400 km
Sea WEST BANK	SYRIA IRAQ Damascus Baghdad •
AAA	RDAN Kuwait City Figure 1
EGYPT	BAHRAIN Doha Stead of Doha Stead of Order Rhyadh Rhyadh OATAR Supubal Gulf of Order
	SAUDI ARABIA Muscat OMAN
	Arabian Sea Sana'a
A STATE OF THE STA	Gulf of Aden SOCOTRA (YEMEN)

TECHNICAL VOCABULARY The Middle East A region located where the continents of Asia, Europe and Africa meet. Region An area that has a certain characteristic in common that make it unique. **Population** Amount of people in an area. **Sparsely Populated** Not many people live in an area, and they are spread apart from each other. **Densely Populated** Lots of people living close together. **Poverty** People that earn less than \$2 a day. mentation When particles drop and become sediment. **Hydrocarbons** A compound of hydrogen and carbon, such as any of those which are the chief components of petroleum and natural gas: Groundwater Water that is stored below ground.

Plate Movement

Topic: The Middle East

- In 2011, there was an Earthquake in Turkey that killed 570 people.
- There are Earthquakes in the Middle East as it lies between the Arabian and African plate boundary.
- The African and Arabian plates are moving away from each other, which causes earthquakes and formed the Red Sea and the Persian Gulf.
- The Arabian plate has been moving North at 3 cm per year. As a result, this plate collided with the Eurasian plate which created mountains in the North of the Middle East.

Economy

- Oil was discovered in 1908.
- The Middle East has the world's largest supply of Crude Oil.
- 48 % of the World's oil is in the Arabian plate.
- 43 % of the World's gas is in the Arabian plate.
- There is so much oil as there was 570 years of sedimentation, which created hydrocarbons, which formed oil.
- The Middle East sells the oil to other countries to earn money.

Development

2003 Iraq war between Sunni and Shia Muslims.

Reasons Why There is Conflict/War

Religious arguments (between Shia and Sunni Muslims).

- The Government faces problems that limit development.
- The problems include water scarcity, changing oil prices, high unemployment and conflict.
- The United Arab Emirates (UAE) is part of the Middle East. The UAE was formed in 1971 and it is group of 7 lands which were ruled by a Monarch called Emir.
- The largest land in the UAE is Abu Dhabi, which covers 85 %.
- Dubai is the most people living in it out of all of the lands (35 % of the UAE population).
- Since its formation, the UAE's economy has grown 231 times.

	<u>The Russian Revolution</u>					
In February 1917 a revolution over	threw Tsar Nicholas II which er	nded over 400 years of rule of Russia by the				
Romanov dynasty. This started a c	hain reaction of events that led	to the Bolsheviks seizing power.				
Causes	February Revolution	October Revolution				
Discontent of the peasants and	23 February – Protests on	Provisional government was set up, it lacked				
workers – over 80% were	International Women's Day	control of the military, failed to hold elections or				
peasants or workers.	about bread shortages.	meet the demands of the peasant.				
Political opposition to the rule of	Food riot broke out in	The Provisional government stayed in the war.				
the Tsar.	Petrograd. The Tsar order	Lenin wanted to make Russia a Communist				
	soldiers to attack the	state. Many thought this was worth fighting for.				
	crowds.					
The Tsar's poor leadership in	The Soldiers mutinied or	One of Lenin's great accomplishments was the				
WW1. Russia's battles with	refused to obey orders. This	simplicity of his slogan: 'Peace, Bread and				
Germany were embarrassing	helped to kick off the	Land'. Russians were starving and tired of war				
defeats. Peasants and workers	Russian Revolution.	therefore Lenin was popular with the people.				
ran out of money, while 1.7	Nicholas II abdicated in	24-25 Oct 1917, the Bolsheviks overthrew the				
million soldiers died in the	March 1917.	Provisional government and took control. Russia				
fighting.		was now a Communist state.				

Bolshevik Rule 1918 - 24						
The Bolsheviks did not have widespread support across Russia.	January 1918 – Bolsheviks broke up the Constituent Assembly.					
November – December 1917 – They issued decrees	March 1918 – Withdrew from World War One in					
on peace, land, workers' rights and nationalities which gained them support.	the Treaty of Brest-Litovsk.					
July – Tsar and his family are murdered.	The Bolsheviks won the Civil War and became officially known as the Communist Party .					
Civil war between the Reds (Bolsheviks) and other revolutionary groups in Russia (Such as Mensheviks	'War Communisms' is the name for how the economy was run during this period of civil war.					
and Social Revolutionaries) lasted until 1921.	It included paying a fixed price for grain, food rationing and nationalisation of industries.					

Stalin's Dictatorship

Purges of the Thirties

Part of the reason for the purges was to cover up problems in the economy, control peasants and works better, to cover up the weakness of the Communist government and protect the government if war broke out.

Stalin became paranoid about his own position and used the purges to remove old rivals in the Communist party. In this way he removed 3 rivals!

The purges led to a weakening of the army, huge loss of life and chaos in the economy and government.

Show Trials 1936 - 38.

Used to try leading Communist members of fictitious crimes.

Speeches were pre-scripted and the outcome were decided in advance.

A Cult of Personality was built up around Stalin. This was to put him beyond criticism and to present him as the new Lenin. Stalin was made out to be a political genius, father, kind, loved by all.

He was praised for economic advance.

	TECHNICAL VOCABULARY
Democracy	Rule by the people; this usually involves the people of a country voting for people to represent them and make decisions for them about how to rule the country.
Autocracy	Rule by one person with complete power
Tsar	The Russian word meaning emperor
Communism	A political system based on the ideas of Karl Marx. In the perfect communist society, everyone would work together for the common good, everyone would be equal and there would be no need for money.
Revolution	The overthrow of a government which is replaced by a government that aims to make huge changes.
Peasant	A poor farmer, they made up 80% of the Russian population and very few of them owned their own land.
Worker	Someone who works in a factory and lives in a town or city.
Abdicate	When a King or Queen gives up the throne
Bolshevik	A political party (group) inspired by Karl Marx; they wanted a revolution to turn Russia into a communist country as soon as possible
State	The government of a country.



Changes in Industry and agriculture

Collectivisation 1928-33

- Peasants were organised into large collective farms (Kolkhoz) – where they worked together, shared equipment and aimed to meet government targets.
- There was also state collective farms (sovkhoz) where workers were paid a fixed wage.
- This was driven by the desire to produce enough grain to export and as transform the country into a modern industrial one.

The Five-Year Plans for industry

- The 5 year plans (1928 –32, 1933-7 and 1938-41) were designed to help the Soviet Union 'catch up' with the West. Tremendous targets were set.
- They led to a massive increase in output, industrial growth and rearmament – but productivity and quality was still low.

	Key People					
Tsar Nicholas II	The Tsarina	Rasputin	Lenin	Karl Marx		
1917. He was a pooor leader; one of his worst decision was to personally lead	Alexandra, the wife of Tsar Nicholas II. Left in charge of Russia whilst her husband commanded the army. People didn't really liike or turst her.	A faith healer who had a lot of influence over the Tsarina because he seemed to be able to cure her son's life-threatening illness.	The leader of the Bolsheviks.	German writer who believed that the workers were being exploited by their bosses. He said the workers would rise up and take control of the factories.		

Tsar Nicholas II was an autocratic leader of Russia. He made poor decisions during his role which led to him, and his family being murdered.

The Bolshevik Revolution of 1917 changed Russia's economy and political structure and dramatically weakened the church's position. Churches were demolished, religion outlawed, and many practitioners were forced to take their faith underground.

From February to April 1921 the Red Army invaded and conquered Georgia.

Russia moved from an autocratic system of government led by Tsar Nicholas II and adopt a socialist form of government which became the Communist Party of the Soviet Union.

MONARCHY

RELIGION

INVASION

POLITICAL REFORM

Russian Revolution HISTORICAL SUBSTANTIVE CONCEPTS

IDEOLOGY

In 1917 the Bolsheviks overthrew the provisional government and took control, turning Russia into a Communist state. Communism is based on the ideas of Karl Marx, where everyone would work together for the common good.

CONFLICT

8 million people lost their lives during the Russian Civil War.

About one million were soldiers of the 'Red Army'. The anti-communists and the 'White Army' killed at least 50,000 communists.

Many millions of people also died due to famine, starvation and epidemics.

REVOLUTION

In Feb 1917, a Revolution overthrew Tsar Nicholas II which ended 400 years of rule of Russia by the Romanov dynasty. This started a chain reaction of events that led to the Bolsheviks seizing power.

TAX & ECONOMY

By October 1917, the economy was unquestionably in crisis.

The political turmoil that followed the February Revolution had deepened the economy's already serious problems.

There was a collapse in industry productivity, output and food and fuel shortages worsened.

Half-Term 2 Subject French Y9 Shopping Qu'est-ce que tu veux acheter?

Half-Term 2 Subject French Y9	Shopping Qu'est-c	e que tu veux acheter?		Caraly Shinga	
Opinion	Infinitive	Nouns	Connectiv		
J'adorerais = I would love	aller aux magasins = to go shopping	aux centres commerciaux = in shopping centres	because it's		
J'apprécierais = I appreciate		aux chaînes des magasins = in chain stores	car c'est		propre = clean
				assez = quite	sale = dirty
Je m'intéresserais = I would be interested in		au centre-ville = in the town centre			divertissant = entertaining
					animé = lively
Je préférerais = I would prefer	faire des courses = to		parce que c'est		économique = economical
	shop				
J'aimerais beaucoup = I would really like					pratique = practical
Ça me fascinerait = I am fascinated by		aux grands magasins = in department stores		très = very	cher = expensive
					pas cher/bon marché = cheap
J'aimerais = I would like					difficile = difficult
Je m'en fiche de = I don't care		aux boutiques de créateurs = in designer shops	à cause de = because of		facile = easy
Je n'aimerais pas = I wouldn't like				trop = too	magnifique = magnificent
Je n'aime pas du tout = I really don't like		aux magasins d'occasion = in secondhand shops			génial = great
•					(in)confortable = (un)comfortable
Ça me dérange de = It bothers me			grâce à =		fantastique = fantastic
Je détesterais = I would hate		sur Internet = on the Internet	thanks to		reposant = relaxing
Je ne supporte pas = I cannot stand/bear					ennuyeux = boring

Week 2

Verb	Infinitive	Noun	Adjective
Je voudrais = I would like to	acheter = to buy	un pull = a jumper	blanc /blanche / blancs / blanches = white
J'aimerais = I would like to	essayer = to try on	une robe = a dress	noir / noire / noires = black
J'aimerais bien = I would love to	revenir = to return	un costume = a suit	rouge / rouges / rouges = red
Je préférerais = I prefer to	échanger = to exchange	une casquette= a baseball cap	jaune / jaunes / jaunes = yellow
Je serais fasciné de = I would be fascinated to		une jupe = a skirt	violet / violette / violetts / violettes = purple
Je serais interessé à = I would be interested to		une chemise= a shirt	bleu / bleue / bleus / bleues = blue
Me interesaría = I would be interested to		un t-shirt = a t-shirt	marron = brown
Je ne voudrais pas = I wouldn't like to		une cravate = a tie	gris / grise / gris / grises = grey
Je ne serais pas interessé à = I wouldn't be interested to)	une veste = a jacket	vert / verte / verts / vertes = green
Je ne serais pas fascine de = I wouldn't be fascinated to		un pantalon = trousers	orange / oranges = orange
Je ne voudrais pas être = I would not like to be		des chaussures = shoes	rose / roses = pink
		des chaussettes = socks	imprimé / imprimée / imprimées / imprimées = patterned
		un jean = jeans	rayé / rayée / rayées = striped
		des bottes = boots	à carreaux = checked
		des baskets = trainers	

Weeks 3 and 4	Verb	Infinitive	Quantity	Noun

Avant d'aller au cinéma = Before going to the cinéma	j'aimerais = I would like je voudrais = I would like		un kilo de = a kilo of	pommes de terres / carottes / pommes = potatoes / carrots / apples
Avant de dîner = Before eating dinner	je préférerais = I would prefer j'apprécierais = I would like		un demi-kilo de = half a kilo of	poires / pêches / tomates = pears / peaches / tomatoes
Après avoir joué au basket = After playing basketball	je ne voudrais pas = I wouldn't like		deux cent grammes de = 200 grams of	jambon / fromage / saucisse / raisins / fraises / framboises / cerises = ham / cheese / sausage / grapes/ strawberries / raspberries / cherries
Après avoir étudier = After having studied			un pot de = a jar of	café / confiture / miel = coffee / jam / honey
Quand je suis libre = When I have time		acheter = to buy	un carton de = a carton of	lait = milk
En rentrant à la maison = On returning home			une bouteille de = a bottle of	eau / vin = water / wine
Quand je vais au supermarché = When I go into the supermarket			une miche de = a loaf of	pain = bread
Si je pouvais = If I could			une conserve de = a tin of	sardines / soupe= sardines / soup
Si c'était possible = If it was possible			une boîte de = a box of	gâteaux = cakes
Si j'avais assez d'argent = If I had enough money			un paquet de = a packet of	biscuits / chips = biscuits / crisps

Connective	Noun	Verb	Infinitive	Noun	Place
mais = but	(je) I	voudrais = would like		les pommes / les pommes de terre / les cerises / les carottes =	à l'épicier = in the green grocers
		préférerais = would prefer		apples / potatoes/ cherries / carrots	
cependant =	ma mère	préférerait = would prefer		le jambon / l'agneau / les côtelettes / le steak/ =	à la boucherie = in the butcher's
owever	ma famille			ham / lamb / chops / steak	
	mon père	voudrait = would like		les gâteaux = cakes	à la pâtisserie = in the cake shop
	mon cousin				
	ma grand-mère			le pain= bread	à la boulangerie = in the bakery
	mes parents et moi	préférerions = would prefer		les crevettes / le thon / la morue = prawns / tuna / cod	à la poissonier = in the fish shop
	ma mère et moi				
oourtant =	ma grand-père et moi		acheter = to buy	l'aspirine / les emplâtres = aspirins / plasters	à la pharmacie = in the chemist
nowever	mon frère et moi				
	mon père et moi	voudrions = would like		un livre / un roman / une biographie = a book / a novel / a biography	à la librairie = in a bookshop
n revanche = on the	mes parents			les boucles d'oreille / l'anneau / le bracelet = earrings / ring / bracelet	à la bijouterie = in the jeweller's
ther hand	mes grands-parents				
	mes amis	voudraient = would like		les timbres / el chocolat / les cigarettes = stamps / chocolate / cigarettes	au kiosque = in the kiosk
		péféreraient = would prefer			
tandis que = whereas	mes cousins			les chaussures / les bottes / les sandales / les baskets = shoes / boots / sandals / trainers	au magasin de chaussures = in the shoe shop

Half-Term 4 Subject Spanish Y9 Shopping Threshold Concept Link(s): Making plans for the future ¿Qué te gustaría comprar?

Week 1



Opinion	Infinitive	Nouns	Connective	Qualifier	Adjective
Me encanta = I love	ir de compras = to	en los centros comerciales = in shopping	because it's	un poco = a bit	divertido = fun
	go shopping	centres			(des)agradable = (un)pleasant
Me chifla = I love		en las cadenas = in chain stores	dado que es		limpio = clean
				bastante = quite	sucio = dirty
Me interesa = I'm interested in		en el centro de la ciudad = in the town			entretenido = entertaining
		centre			animado = lively
Me apetece = I'm interested in	comprar = to shop		ya que es		económico = economical
Me gusta mucho = I really like					práctico = practical
Me fascina = it fascinates me		en los grandes almacenes = in department	puesto que es	muy = very	caro = expensive
		stores			barato = cheap
Me gusta = I like					difícil = difficult
Me da igual = I don't care about		en las tiendas de diseño = in designer shops			fácil = easy
No me gusta = I don't like			porque es	demasiado = too	guay = cool
No me gusta nada = I really don't like		en las tiendas de segunda mano = in			estupendo = great
		secondhand shops			(in)cómodo = (un)comfortable
No me importa = I don't care about			aunque es =		asombroso = fantastic
Odio = I hate		por Internet = on the Internet	although it's		relajante = relaxing
Detesto = I hate					aburrido = boring

Week 2

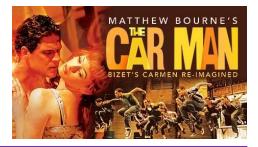
Verb	Infinitive	Noun	Adjective
Me gustaría = I would like to	comprar = to buy	un jersey = a jumper	blanco /blanca / blancos / blancas = white
Quisiera = I would like to	probar = to try on	un vestido = a dress	negro / negra / negros / negras = black
Me encantaría = I would love to	devolver = to return	un traje = a suit	rojo / roja / rojos / rojas = red
Me chiflaría = I would love to	cambiar = to exchange	una gorra = a baseball cap	amarillo / amarilla / amarillos / amarillas = yellow
Me molaría = I would love to		una falda = a skirt	morado / morados / moradas = purple
Me fliparía = I would love to		una camisa = a shirt	azul / azules = blue
Me fascinaría = I would be fascinated to		una camiseta = a t-shirt	marron / marrones = brown
Me apetecería = I would be interested to		una corbata = a tie	gris / grises = grey
Me interesaría = I would be interested to		una chaqueta = a jacket	verde / verdes = green
No me gustaría = I wouldn't like to		unos pantalones = trousers	naranja / naranjas = orange
No me interesaría = I wouldn't be interested to		unos zapatos = shoes	rosa / rosas = pink
No me apetecería = I wouldn't be interested to		unos calcetines = socks	estampado / estampados / estampados = patterned
Odiaría ser I would hate to be		unos vaqueros = jeans	a rayas = striped
Detestaría ser I would hate to be		unas botas = boots	a cuadros = checked
		unas zapatillas deportivas = trainers	

Time marker / Wow phrase	Verb	Infinitive	Quantity	Noun
Antes de ir al cine = Before going to the cinema			un kilo de = a kilo of	patatas / zanahorias / manzanas = potatoes / carrots / apples
Antes de cenar = Before eating dinner	me encantaría = I would love		medio kilo de = half a kilo of	peras / melocotones / tomates = pears / peaches / tomatoes
Después de jugar al baloncesto = After playing basketball			doscientos gramos de = 200 grams of	jamón / queso / chorizo / uvas / fresas / frambuesas / cerezas = ham / cheese / chorizo / grapes/ strawberries / raspberries / cherries
Después de haber estudiado = After having studied	quisiera = I would like		un bote de = a jar of	café / mermelada / miel = coffee / jam / honey
Cuando tenga tiempo = When I have time		comprar = to buy	un cartón de = a cartón of	leche = milk
Al volver del insti = On returning from school	preferiría = I would prefer		una botella de = a bottle of	agua / vino = water / wine
Al entrar en el supermercado = When I go into the supermarket			una barra de = a loaf of	pan = <mark>bread</mark>
Si pudiera = If I could	me gustaría = I would like		una lata de = a tin of	sardinas / sopa = sardines / soup
Si fuera posible = If it was possible			una caja de = <mark>a box of</mark>	pasteles = cakes
Si tuviera bastante dinero = If I had enough money	no me gustaría = I wouldn't like		un paquete de = a packet of	galletas / patatas fritas = biscuits / crisps

Connective	Noun	Verb	Infinitive	Noun	Place
pero = but	(yo) I	quisiera = would like		las manzanas / las patatas / las cerezas / las zanahorias =	en la frutería = in the green grocers
		preferiría = would prefer		apples / potatoes/ cherries / carrots	
sin embargo =	mi madre	preferiría = would prefer		el jamón / el cordero / las chuletas / el filete / =	en la carnicería = in the butcher's
however	mi familia			ham / lamb / chops / steak	
	mi padre	quisiera = would like		los pasteles = cakes	en la pastelería = in the cake shop
	mi prima				
	mi abuela			el pan = bread	en la panadería = in the bakery
	mis padres y yo	preferiríamos = would prefer		las gambas / el atún / el bacalao = prawns / tuna / cod	en la pescadería = in the fish shop
	mi madre y yo				
no obstante =	mi abuelo y yo		comprar = to buy	las asprinas / las tiritas = aspirins / plasters	en la farmacia = in the chemist
however	mi hermano y yo				
	mi padre y yo	quisieramos = would like		un libro / una novela / una biografía = a book / a novel / a	en una librería = in a bookshop
	mi bisabuelo y yo			biography	
aunque = although	mis padres			los pendientes / el anillo / la pulsera = earrings / ring / bracelet	en la joyería = in the jeweller's
	mis abuelos				
	mis hermanos	quisieran = would like		los sellos / el chocolate / los cigarrillos = stamps / chocolate /	en el estanco = in the kiosk
	mis amigos			cigarettes	
		preferirían = would prefer			
mientras = whilst	mis tíos			los zapatos / las botas / las sandalias / las zapatillas deportivas =	en la zapatería = in the shoe shop
	mis primos			shoes / boots / sandals / trainers	

Half-Term Subject – Dance – Year 9 – The Car Man

The Car Man is choreographed by Matthew Bourne. It is a dance thriller which combines vivid storytelling and modern dance. The style of dance is a fusion of Musical Theatre and Contemporary dance.



SYNOPSIS: ACT ONE Welcome to Harmony... When a stranger, Luca, arrives in Harmony he takes a job at Dino's garage as a car mechanic. His presence has an immediate effect on all those in the town. Lana tries to resist his allure but ends up succumbing and they embark on a passionate affair. Luca also befriends Angelo, who is bullied by the other mechanics and he helps him to find confidence. Angelo also falls in love with Luca, unbeknownst to his girlfriend Rita. During a wedding party Dino starts to suspect that something is going on between Lana and Luca but he dismisses this idea. After the celebrations are over he goes out. When he returns he finds Lana and Luca together. A fight breaks out between Dino and Luca during which Lana hits her husband over the head with a tool from the garage. Dino is on the floor covered in blood but not yet dead. Lana hands the tool to Luca to give Dino the final blow that will kill him. Angelo finds Dino, and as the police arrive Lana throws money all over the floor, rips her dress and pulls Angelo on top of her to make it look as though Angelo has killed him. Angelo is arrested and put in jail.

ACT TWO The scene begins in a bar and Lana and Luca are now together as a couple. Luca is having hallucinations about the death of Dino and the arrest of Angelo. This angers Lana, she thinks that this is a sign of weakness. Luca tries to prove himself to her by involving himself in gambling, car chases and fight nights to prove his strength. Angelo is still in jail where Rita visits him and tells him of what really happened on the night of his arrest. She tells him that he was framed for something he did not do. He is angered by this news and after Rita has left he escapes from jail. Angelo returns to Harmony to find Lana and Luca. He captures Rita and holds her hostage until Lana returns. During the fight night he appears and fights with Luca. Angelo kisses Luca passionately before pushing him away. Luca pulls out a gun and holds it to Angelo, he is about to pull the trigger when Lana fires a shot from behind that kills her lover.

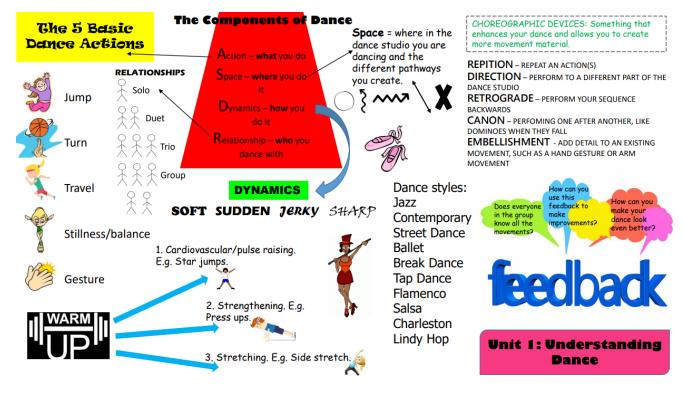
Matthew Bourne



Matthew Bourne is widely hailed as one of the UK's most popular and successful Choreographer/Directors. Bourne started training to be a dancer at the late age of 22. He studied Dance Theatre and Choreography at The Laban Centre, graduating in 1985. Matthew danced professionally for 14 years creating many roles in his own work. In 1999 he gave his

final performance playing The Private Secretary in the Broadway production of *Swan Lake*. Matthew Bourne was the Artistic Director of his first company, Adventures in Motion Pictures, from 1987 until 2002. During those 15 years AMP became one of the UK's most innovative and popular dance/theatre company. In 2002 Matthew launched his latest company, New Adventures. Bourne is renowned for creating work that attracts large audiences that is accessible for those unfamiliar with the world of dance. It is not his aim to simply re-tell a story but instead to put his own spin on the narrative that provokes the audience to think and consider the story in a new light.

	SUBJECT TERMINOLOGY
Stimulus	Inspiration for an idea or movement.
Motif development	Is a core choreographic device used when creating dance.
Space	Where the dancer moves e.g. pathways, levels, directions, size of movements, patterns.
Dynamics	How the dancer moves e.g. fast/slow, smooth/sharp.
Relationships	Who the dancer with and the way they move together e.g. lead and follow, mirroring, in formation, complement and contrast.
Movement memory	Is remembering the choreography in the correct order.
Representational movement	is where a movement represents a real life action, like acting. (e.g. a soldier saluting).
Symbolic movement	Is where a representational movement has been developed to make it more dance-like.
Choreographer	Choreographers create dance routines and movement sequences for dancers and other performers.
Performance skills	Is being ready to perform in your starting position, not fidgeting, giggling, talking during the performance and holding your ending position after you have performed.
Facial Expression	Use of the face to show mood, feeling or character.
Dance appreciation	Is how to understand and think about dance in all of its various contexts.



Year Subject: Drama Topic: Practitioners- Frantic Assembly

About Frantic Assembly

- Formed in 1994, Frantic
 Assembly's beliefs are built on
 the notion of collaboration.

 There is a great sense of
 ensemble work evident in all
 that they do.
- They aim to make their work accessible.
- Frantic Assembly is one of UK's leading contemporary theatre companies producing thrilling, energetic and uncompromising theatre constantly attracting new theatre.

Round	Ву	Through	Push Hands	Fluff	Chair Duets
Pittered			Than		Th
The term ROUND	BY comes after the	THROUGH is the	The person with	Partners sit oppo-	Partners sit in
is chosen to repre-	first two moves.	idea of passing	their hand on top	site knee to knee.	chairs, both facing
sent any move that	The space between	through the upper	is in control, gently	A choose three	forward. Partners
involves passing	A & B is 'squeezed	body / arms of the	leading their part-	ways to adjust B's	take turns placing
closely ROUND the	out'.	partner	ner around the	appearance. B	their hand on to
body of the part-	A or B 'slots in' to		space, trying to	choose three ways	their partner or
ner	stand closer BY		keep their hands	to adjust A's ap-	moving their part-
	their partner		flat and the pres-	pearance. Contin-	ner's hand, swap-
	the parties		sure constant. You	ue to add more	ping and adding to
			should take your	moves, and avoid a	the sequence. Re-
	144		partner on a jour-	predictable rhythm	peat until the

ney exploring all

levels.

	Subject Terminology
Devising	Creating an original piece of theatre
Physical theatre	Using the body and movement to express ideas onstage (ie— through movement, mime, gesture, dance, etc.)
Theatre Practitioner	A person or theatre company that creates practical work or theories to do with perfor- mance and theatre.
Structure	The order in which action and scenes are placed in a play.
Exploratory Strategy or Technique	Used to explore and deepen understanding of the drama you create; ie through understanding of characters, exploration of scenes, and experimenting with characterisation.

DEVISING TECHNIQUES Starting to create your own piece of theatre

BRAINSTORM

As a group, discuss the themes that you want to explore in the performance. Brainstorm stories that involve the characters experiencing each theme.

CHARACTERS

Start by creating the characters. Too many devised pieces fail because the characters have not been carefully shought out. Name each character and talk about their personality and relationships.

REEZE FRAM

Create freeze frames that depict crucial moments in the character's life. These can then be incorporated into your performance later on.

MUSIC

Find a piece of music that represents your theme, either lyrically or through the dynamics or texture. Use the music to create a movement sequence that shows the mood of a character.

Create a flow chart of the story and highlight the key scenes. Experimenting with the structure may help you create a more imaginative and original performance. Improvise a scene in every rehearsal. Don't just talk thing through. Try to improvise a scene using different styles. A scene may work better as a comedy even though it was originally a drama.

In a group, think of one word each that describes your character. Then on your own, use the list of words (in the order they were said) to write a monologue for your character.

At the end of a rehearsal, reflect on what you have done next. Set aims and assign jobs for the next session. Create a rehearsal schedule and stick to it.

to find out more visit www.prammadrams.wikispaces

REFLECT

In their own words...

Frantic Assembly creates thrilling, energetic and unforgettable theatre. The company attracts new and young audiences with work that reflects contemporary culture. Vivid and dynamic, Frantic Assembly's unique physical style combines movement, design, music and text.

moves are clear

and memorised.

Quick Fire Facts!

- Physical Theatre company
- 2. They create work which reflects modern-day culture
- 3. Contemporary
- 4. Vivid and dynamic
- Performances include movement, design, music & text
- 6. Led by Artistic Director, & co-founder, Scott Graham
- Most famous production: 'Curious Incident of the Dog in the Night-time'

What Makes a Good Song?

Exploring Popular Songs and Musical Arrangements



A. Popular Song Structure

SONG STRUCTURE – How a song is made up of or divided into different sections (see below) and the order in which these sections occur. To work out the structure of a song, it's helpful to analyse the **LYRICS** <u>and</u> listen to a recording for the song (for instrumental sections).

INTRO – often shortened to 'intro', the first section of a song which sets the mood of the song and is sometimes, but not always, an instrumental section using the song's chord pattern.

VERSES – songs normally have several verses. Verses introduce the song's theme and have the same melody but different lyrics for each verse which helps develop the song's narrative and story. Songs made up entirely of verses are called **STROPHIC**.

LINK – a optional short section often used to join different parts of a song together, often instrumental, and sometimes joins verses together or appears at other points within a song.

PRE-CHORUS – an optional section of music that occurs before the **CHORUS** which helps the music move forward and "prepare" for what is to come.

CHORUS – occurs several times within a song and contains the most memorable **HOOK/RIFF**. The chorus relays the message of the song and is repeated with the same melody and lyrics each time it is heard. In popular songs, the chorus is often repeated several times towards the end of the song.

MIDDLE 8/BRIDGE – a section (often 8 bars in length) that provides contrasting musical material often featuring an instrumental or vocal solo using new musical material allowing the performer to display their technical skill on their instrument or voice.

CODA/OUTRO – The final section of a popular song which brings it to an end (Coda is Italian for "tail"!)

B. Key Words

LYRICS – The words of a song, usually consisting of VERSES and a CHORUS.

HOOK – A 'musical hook' is usually the 'catchy bit' of the song that you will remember. It is often short and used and repeated in different places throughout the piece. Hooks can be either **MELODIC, RHYTHMIC** or **VERBAL/LYRICAL**.

RIFF – A repeated musical pattern often used in the introduction and instrumental breaks in a song or piece of music. Riffs can be rhythmic, melodic or lyrical, short and repeated.

MELODY – The main tune of the song often sung by the **LEAD SINGER**.

COUNTER-MELODY – An 'extra' melody often performed 'on top of' the main melody that 'fits' with it a DESCANT OF INSTRUMENTAL SOLO.

TEXTURE – The layers that make up a song e.g., Melody, Counter-

Melody, Hooks/Riffs, Chords, Accompaniment, Bass Line.

C. Lead Sheet Notation and Arrangements

A LEAD SHEET is a form of musical NOTATION that contains only the essential elements of a popular song such as the MELODY, LYRICS, RIFFS, CHORDS (often as guitar chord

symbols) and BASS LINE; it is not as developed as a *FULL*

SCORE ARRANGEMENT and is open to interpretation by



performers who need to use and adapt the given elements to create their own musical **ARRANGEMENT**: their "version" of an existing song.

COVER (VERSION) – A new performance, remake or recording by someone other than the original artist or composer of the song.

D. Conjunct and Disjunct Melodic Motion

CONJUNCT MELODIC MOTION – Melodies which move mainly by step or use notes which are next to or close to one another. **DISJUNCT MELODIC MOTION** – Melodies which move mainly by leap or use notes which are not next to or close to one another.

MELODIC RANGE – The distance between the lowest and highest pitched notes in a melody.



E. Song Timbre and Sonority (Instruments that are used to Accompany Songs)













Pop Bands often feature a **DRUM KIT** and **PERCUSSION** to provide the rhythm along with **ELECTRIC GUITARS** (**LEAD GUITAR**, **RHYTHM GUITAR** and **BASS GUITAR**) and **KEYBOARDS**. Sometimes **ACOUSTIC INSTRUMENTS** are used such as



the PIANO or ACOUSTIC GUITAR. ORCHESTRAL INSTRUMENTS are often found in pop songs such as the STRINGS, SAXOPHONE, TROMBONE and TRUMPET. Singers are essential to a pop song - LEAD SINGER – Often the "frontline" member of the band (most famous) who sings most of the melody line to the song. BACKING SINGERS support the lead singer providing HARMONY or a COUNTER-MELODY (a melody that is often higher in pitch and different, but still

'fits with' the main melody) and do not sing all the time but just at certain points within a pop song e.g. in the chorus.

Half-Term: HT1+2 Y9 Subject: Art Threshold Concept Link(s): Draw from observation accurately and use a contrasting range of tone in a range of media

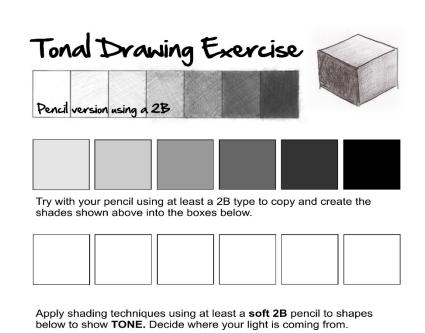
1 point Perspective

Find the vanishing point on the street scene and mark it on the picture.

Draw in some of the
Lines to show how you
made your decision.



TECHNICAL VOCABULARY		
Symmetry	Equal on both sides	
Measurement	The size of something	
Shape	The outline of something	
Accuracy	Correct	
Form	3D shape	
Negative Space	The space in between objects	
Tone	How light or dark something is	
Observational drawing	The subject is in front of you	
Contrast	A big difference (in tone)	
Perspective	The illusion of depth in a picture	



Adding a range of contrasting tone to your drawing will give it form. This will make your drawing more realistic and be the main difference between achieving an average grade or a higher grade.

Learning how to achieve a range of tone requires practice and good motor skills especially when trying to get the lighter tones.

If drawing more than 1 object compare the heights and sizes in relation to each other

Measure the actual size of the object to produce a more accurate drawing

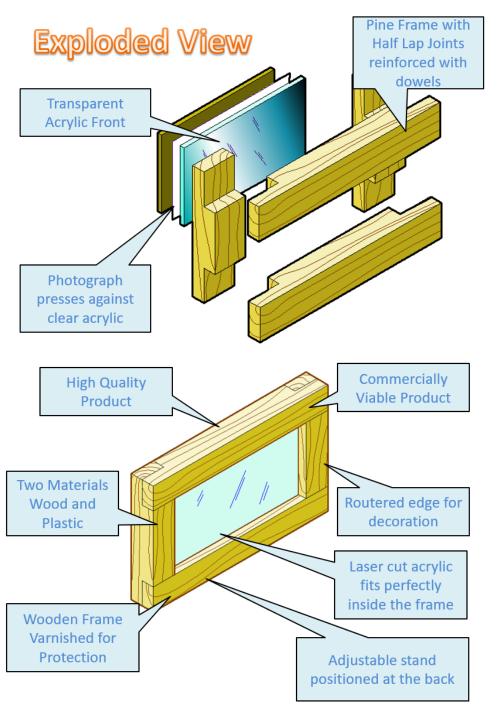




Turn the drawing upside down and see it from a different viewpoint

Add a line of symmetry to ensure it is equal on both sides

Look at the shape created in the negative space



Half lap joint

Manufacture of a half lap joint with two dowels vertical.





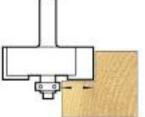
Key terms	Meaning
Flush	Both sides run at the same level
Tolerance	Gap
Dowels	Rod like wood
Reinforce	Make stronger
Rebate	Make a step
Router	To make a rebate
Batches and mass production	To make in small or large numbers.



Drilling formers/ templates are needed for batch or mass production. This can guarantee that all holes are in the same place as long as they are positioned in the same place, every time. This saves on time and labour.



The router is a dangers machine. PPE such as goggles, Smock is required. To guide the material around the wood, a push stick is required to keep fingers away from the router bit



Rebate bit is attached to a router. This makes a step in the wood material. It users a follower. The follower guides around the edge of the wood to guarantee the distance of the step.

Year 9 HT2 (LO3.2/3.3) (LO1.1) Subject Food Technology Threshold Concept Link(s) Assuring Quality and Nutritional Content of Commodities

Meat (HBV)

Tough cuts £

- They need long, moist methods of cooking.
- Casseroles, braising- shin, Chuck
- Come from the muscle which is used more frequently, leg, neck, shoulder

Tender cuts £££ They need faster and dry methods of cooking.

- BBQ, grilling, frying- Sirloin steak, ribeye steak, fillet
- Comes from the muscle which is used the least along the top of the back and towards the tail.

Cuts suitable for roasting ££ are silverside and rib

Nutritional value

MEAT IS AN HBV PROTEIN

- Made up of water, fat and protein
- It is a HBV- High biological protein
- It is rich in Vitamin B12 and Iron
- Is rich in Vitamin A and D

Tenderizing meat

- **Marinading** A rich sauce meat is soaked in to tenderize it.
- Meat cleavering- Bashing the meat to break connective tissue
- **Mincing** Cheaper cuts used to make burgers

Why do we cook meat?

- Because it's a high risk food (store at below 5c)
- Makes it more digestible
- Makes it look more appetising
- Makes it safe to eat
- Gives it a longer shelf life

TECHNICAL VOCABULARY		
Macronutrient	A nutrient required in large amounts- Fats, carbohydrates and proteins	
Micronutrient	A nutrient required in small amounts- Vitamins and minerals	
HBV	High biological protein containing all the essential amino acids- Meat, fish, eggs	
LBV	Low biological protein containing some of the essential amino acids- nuts, seeds, pulses	
Protein complementation	Eat two or more LBV proteins together like beans on toast	

Function of Protein in the diet

- Growth and the laying down of muscles
- Repair of the body when it's injured
- source of energy
- Helps release energy from our food

Deficiencies of protein

Visible- Children don't grow properly

-Hair becomes thin and falls out
-Poor skin and weak nails

Non visible- Infections will develop Immune system

- Requires protein to work properly
- Food is not digested properly

Protein

Macronutrient

Fish (HBV)

Fish facts

FISH IS AN HBV PROTEIN

- Is a **High risk food**
- Essential it is eaten as fresh as possible
- Sushi uses raw fish- high risk
- Short shelf life, so often bought frozen
- Must be stored in the fridge 5c or freezer -18-20
- Can be eaten by pescatarians

Nutritional value

- High biological
- Low in fat
- Good source of omega 3
- Good source of Vitamin A and D
- Easy and quick to prepare
- A large variety to eat

THREE TYPES

- Oily- Mackerel, salmon, trout
- Shellfish- crabs, lobster, prawns
- Whitefish- cod, haddock, plaice

How it's prepared (HIGH SKILL)

- Served whole- Salmon, Rainbow trout
- Filleted- Cod, salmon
- Goujons- Cod, Haddock

Quality points when purchasing fish

- Should have bright red gills
- Skin should be moist not slimy
- Clear eyes not sunken
- Should smell like the sea
- Firm flesh slightly springy to the touch

Eggs (HBV)

Functions in cooking

- Aeration- Whisking and trapping air for sponge cakes
- Coagulating- Setting mixtures and thickening foods- Custards, quiche, coatings
- Binding mixtures- Fish cakes, burgers
- Glazing- Pastries, buns and breads
- **Enrobing** Protect delicate deep fried foods; fish
- **Emulsification** Mayonnaise, hollandaise
- Enriching recipes- pastries, breads
- Stand -alone meal- Boiled, fried, poached

Purchasing and Storage of eggs

- Store in the fridge away from strong smells as shell is porous can be tainted by odours
- Store pointed side down
- Check best before date
- Do not wash the shells

Many varieties

Hen, duck, goose, quail

....,, 8...., 4...

Nutritional value

EGGS ARE AN HBV PROTEIN

- Vitamin B12, B6
- Fat (yolk
- Vitamins A,D in yolk
- Essential fatty acids

Benefits of eggs

- Cheap
- Easily available
- Easy to cook
- Variety of cooking methods
- Suitable for vegetarians
- Eaten hot or cold
- Low calorie protein 75-80 kcal per egg

Half-Term 2 Year 9 Subject RE Topic Who was Buddha?

_				
Information on Siddhartha Gautama				
Some statements about	Siddhartha's birth and life in the palaces.			
Siddhartha Gautama				
 Birth year: 563. Birth city: Lumbini Birth country: Nepal. Parents: Suddhodana and Maya Devi. Best known for: Being a spiritual teacher in Nepal during the 6th century BCE. Birth name: Siddhartha Gautama. Death year: 483. Death city: Kushinagar. Death country: India. 	Siddhartha's mother Queen Maya had a dream about a tiny white elephant entering her side whilst she was pregnant. This was very rare and showed her baby was going to be very special. A prophecy before he was born said he would be either a great king or holy man. When he was born Siddhartha was unique – he walked in each direction and lotus flowers appeared in his footsteps; he had a long tongue (sign of a good communicator); a large forehead (sign of intelligence) and marks of greatness (like freckles). He lived a life of luxury in the families palaces protected from everything, his mum sadly died when he was only a few weeks old so his dad protected him from everything and kept him sheltered from pain and suffering.			

Before enlightenment		
How long ago was Buddhism founded?	Buddhism was founded around 2500 years ago.	
Who is the founder of Buddhism?	The founder of Buddhism was Siddhartha Gautama, he was born around 500BCE.	
Who were Siddhartha's parents and what did this mean for his lifestyle?	Siddhartha's parents were King Suddhodana and Queen Maya and he had a life of 'material' luxury.	
Queen Maya had a dream before Siddhartha was born what was it? What did it mean?	Queen Maya dreamt about a little white elephant who told her that her child would be holy.	
After his mother died the King tried to protect his son from all hardships – what were the four sights that changed Siddhartha's life?	The four sights were old age; illness; death and a holy man.	
When he was an ascetic how was Siddhartha trying to understand the problem of suffering?	Siddhartha practiced living in extreme temperatures and places of danger; he slept on thorns and survived on very small amounts of food.	
How did the demon Mara try to distract Siddhartha from gaining enlightenment?	Mara tried to distract Siddhartha by sending his daughters; his armies; offering control of his kingdom and questioning Siddhartha.	
How long did Siddhartha's enlightenment take?	Siddhartha's enlightenment took place during 3 parts (watches) of the night.	

SUBJECT TERMINOLOGY			
Buddha	A title given to someone who has achieved enlightenment; usually refers to Siddhartha Gautama.		
The four sights	Old age; illness; death and a holy man- these sights led Siddhartha to leave his life of luxury in the palace.		
Jataka	The Jataka tales are popular stories about the lives of the Buddha.		
Ascetic	Living a simple and strict lifestyle with few pleasures or possessions; someone who follows ascetic practices.		
Meditation	A practice of calming and focussing the mind and reflecting deeply on specific teachings to gain their true meaning.		
Enlightenment	The gaining of true knowledge about God, self or the nature of reality usually through meditation and self-discipline.		
Mara	A spiritual demon		
Impermanence	Nothing lasts forever.		
Dhamma	The teachings of the Buddha.		
The three jewels	Buddha; Dhamma and Sangha		

Suffering, causes and routes to happiness



The 3 poisons

Greed – cockerel

Hatred – snake

Ignorance - pig

The **threefold way** makes up the sections of the eightfold path. They are ethics; meditation and wisdom.





The Eightfold Path has 8 parts that Buddhists practice and live by in order to achieve enlightenment. It is split as a range of practices that should be developed. They are:

Ethics – right speech; right action; right livelihood.

Meditation – right effort; right mindfulness; right concentration.

Wisdom – right understanding; right intention.

	LAN	WAN	
Area it covers	Small geographical area that covers a single building or a single site	Large geographical area e.g. several sites, town, county, country, continent	
Connection	Wireless Ethernet Cable (Wired) Fibreoptic Use of Network Interface Cards Use of Wireless Adapter Connected via a Router / Switch Dedicated I		
Speed	Very High Speed (up to 1000mbps)	Slower speed (aprox 150 mbps)	
Cheaper to set up – need for additional hardware such as a router and cables (although cou use wireless)		Using a dedicated line would be costly for a company. Using a leased line would incur monthly subscription costs WAN would require ongoing costs of using external infrastructure	

Network

A collection of computers which are connected together.

LAN

Network over a local geographical area (e.g. School)

LAN has its own infrastructure of cabling and network hardware due to distance and practicalities

WAN

Network over a large geographical area (e.g. WWW)

WAN uses external hardware and external infrastructure e.g. use of satellite, phone lines or The Internet.

Advantages

Share Internet Connection

Share Peripherals

Share files

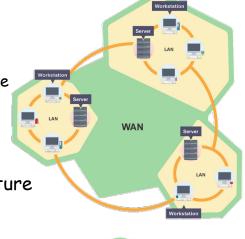
Sends Emails

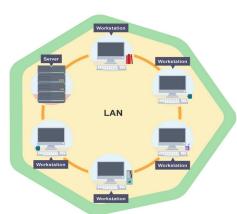
Dis-Advantages

Risks of Viruses and Hacking

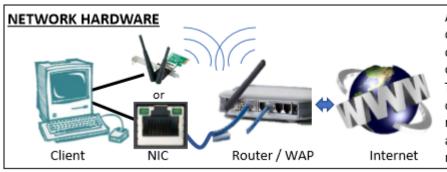
Expensive Hardware

Specialist staff often needed (e.g. Network Manager)





TECHNICAL VOCABULARY			
Ethernet	A cable to connect to a wired connection		
Wi-Fi	A wireless connection to the internet		
Topology	The way in which a network is set up. E.g. star topology		
VPN	Virtual Private Network. A part of the internet that is sealed off from the public use and reserved for an organisation.		
Network	A collection of computer systems or other types of devices that are linked together and can share data.		
Node	A device connected to a network via a link		
Links	The interface on which multiple devices can communicate. Such as a cable or wireless		
Client	A client is a piece of computer hardware or software that accesses a service made available by a server.		
Server	A server is an instance of a computer program that accepts and responds to requests made by another program, known as a client.		
LAN	A Local Area Network. All devices are connected on one site. The network may be in a single building or campus or group of buildings in a small area. Management and maintenance is usually completed by a group of network engineers.		
WAN	A Wide Area Network. Typically covers a large geographical area, talking in many cities or worldwide. The connections are typically provided by a telecoms company such as BT. The largest example of a WAN is the internet. A WAN connects multiple LAN networks.		
PAN	Personal Area Network. Personal devices are often connected to each other in a home or a car.		
WLAN	Wireless LAN (Wireless Local Area Network) commonly used within shops, and venues.		
MAN	Metropolitan Area Network. Devices are connected in a city. Not commonly used as many devices now use the internet		
NIC	Network Interface Controller. The component that allows a device to connect to a network, typical examples are Wi-Fi and Ethernet.		
WAP	Wireless Access Point. The point to which a wireless-enabled device connects to a network. It normally connects to or is built into a router.		
HUB	The role of a hub is to allow communication between multiple devices in a network. They are used in LAN networks.		
Switch	The role of a switch is to allow communication between multiple devices in a network. They are used in LAN networks.		
Router	A router is designed to route packets across wide area networks such as the internet.		



All clients need an NIC to connect to a ROUTER. This could be a wireless adapter or a network card.
The Router in this simple connection can host multiple clients, but more advanced hardware is needed for bigger networks

Subject: Computing

Half-Term 2: Subject - PE - Year 9 - Basketball

Rules of the game

Played with two teams of five.

Score by shooting through a hoop.

A side-line ball is taken from the opposite team who touched it last.

A successful shot from outside the 3-point arc is worth 3 points. From inside this line, it is worth 2 points.

Once the offense has brought the ball across the mid-court line, they cannot go back across the line during possession.

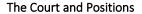
Personal fouls include hitting, pushing and holding.

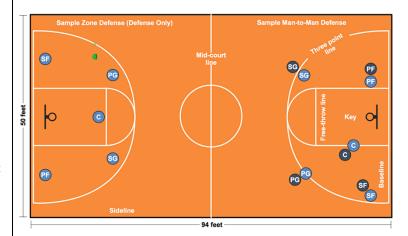
Fouling a shooter results in one, two or three free throws, worth 1pt each, depending on where and how they were fouled.

Players cannot travel with the ball or double dribble.

Players cannot hold the ball for longer than 5 seconds.







Centre

The centre is the tallest player on each team, playing near the basket. On offense, the centre tries to score on close shots and rebounds. But on defence, the centre tries to block opponents' shots and rebound their misses

Point Guard

The point guard runs the offense and usually is the team's best dribbler and passer. The point guard defends the opponent's point guard and tries to steal the ball.

Power Forward

The power forward does many of the things a centre does, playing near the basket while rebounding and defending taller players. But power forwards also take longer shots than centres.

Small Forward

The small forward plays against small and large players. They roam all over on the court. Small forwards can score from long shots and close ones.

Shooting Guard

The shooting guard is usually the team's best shooter. The shooting guard can make shots from long distance and is a good dribbler.

Key Terms

Chest Pass

W grip, step, chest to chest, follow through, short distance.

Bounce Pass

W grip, step, chest to chest, follow through, bounce before player, short distance.

Overhead Pass

Ball over head, step, pass over opposition, further distance.

Dribbling

Head up, spread fingers and fingertips, waist height.

Set Shot

Knees bent, dominant foot slightly in front of other, strong hand at bottom, supporting hand on side, and elbow at 90 degrees.

Lay-up

Strong hand at bottom, supporting hand on side, keep it high. Right hand dribble: step right, jump left aim for top right-hand corner of box. Left hand dribble: step left, jump right, aim for top left corner of box.

Attacking

Dribble into space, screen defenders, dribble out wide and quick inward passes, drive towards ball to receive pass losing defender.

Defending

Man to man, knees bent, back straight, head up, arms out, watch opponent's bellybutton.

Triple Threat

Being in a position where you can pass, dribble, or shoot when you receive the ball.

Half-Term 2: Subject - PE - Year 9 - Football

Rules of the game

Start of play

The game starts with 11 players on either team (10 outfielders and 1 goalkeeper), positioned within their own half of the field. There is a coin toss to decide who starts and on the sound of the referee's whistle, the starting team take the kick off from the centre spot.

Scoring a goal

If the ball crosses the goal line in between the goalposts and underneath the cross bar, then a goal is awarded to the attacking team.

Corners

If the defending team plays/deflects the ball behind their own goal line (without going in the actual goal), the attacking team is awarded a corner. This is where the attacking team can play the ball back into play from the quadrant around the corner flag.

Throw-ins

If one team plays/deflects the ball outside of either touchline, then the other team is awarded a throw in. This must be an overhead throw with both hands from the line where the ball went out of play.

Goal Kicks

If the attacking team kick the ball behind the opposite goal line, then a goal kick is awarded. This must be taken from anywhere inside the six-yard box and the opposition must be outside the penalty area until the ball is kicked.

Offside

If an attacker is in front of the last defender when the ball is played forward by their team, they are in an offside position and a free kick is awarded to the defending team.

Hand Ball

When a player other than the goalkeeper touches the ball with his arm or hand.



Positions

Goalkeeper: The most important role of the goalkeeper is to prevent the opposing team from getting the ball into the goal. This requires agility, vigilance, bravery, and lightning-quick reactions (only player allowed to handle the ball within the 18-yard box).

Left back & right back: A full-back helps to keep opposing players away from the goal by protecting against attacks from the wings. They must be able to tackle effectively and accurately, so that they win the ball without committing any fouls.

Centre back: A central defender will take charge of defending against attacks that are coming from the centre of the field. They may run between the right-back and the left-back to provide support where needed.

Left & right midfield: These players need speed and stamina to allow them to create plays from the wings. Wingers need to have great ball control skills and they should be able to pick out strikers accurately when they cross the ball.

Centre midfield: Central midfielders tend to be the busiest players on the pitch, as they are expected to cover most of the pitch. Good central midfielders will be able to provide reliable support to both the defenders and the strikers.

Centre Forward: A striker's main job is to get the ball into the back of the opposing team's net they need a mixture of pace, strength, and power.

Passing

Playing the ball to a teammate in a controlled manner, allowing them to receive the ball comfortably in a good position.

Key Terms

Receiving

Controlling the ball so that you have controlled possession after a teammate has passed you the ball.

Dribbling

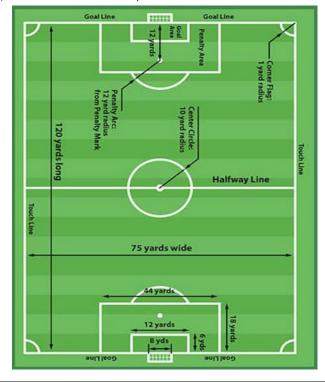
Using different parts of your feet to dribble into space away from opponents, using skill to outwit them.

Shooting

Attempting a shot to score a goal. Accuracy and power are needed to beat the goalkeeper.

Defending

Using your body position to delay the opponent (slow them down), deny the opponent space, dictate which way they must go, and deflect the ball away.



Problem solving is an important skill to develop for later in life and in your future career. There are six stages of problem solving. The first is to identify the problem and decide what the issue is. The second is to break the problem down into manageable chunks. The third is to observe – is there a pattern or a certain point where the problem occurs? The fourth is to think freely – take a step back and remind yourself of what you are trying to achieve. The fifth is to apply your knowledge – when you think you know what is wrong, tray a few different options. You wont know whether something works unless you try it. Finally, the sixth is to evaluate – decide what you did well and what you would do differently next time.



PSHE



A One way to demonstrate your skills and strengths to a potential employer is through a CV. Most jobs require one of these as part of the application process. This is similar to an advert – a potential employer may spend no longer than 30 seconds skimming a CV, so it is important that your CV is short, (no more than two sides of A4) and clearly laid out to demonstrate your strengths. You should include information such as name and contact details, skills and how they would help you to be good at the job, education and qualifications, work experience, interests and referees (these are usually previous teachers or employers who will tell the potential employer how well you performed in a previous role). To make your CV stand out, you should tailor it for the job you are applying for

When choosing GCSE options, it is important to consider what career we would like to go in to. This can help us to make sure that the qualifications we are working towards will give us the opportunity to pursue what we are passionate about. For example, if you wanted to pursue a career in civil engineering, then English, Maths and Science would be essential at GCSE, however, if you were hoping for a career as a lawyer, then History would also be a useful GCSE to have.





Your values are your principles and standards of behaviour – what you think is right and how you think people should behave. These can affect our career choices as they can make us well suited to certain types of jobs. For example, if a person values wildlife and feels passionately about preserving the environment then they may choose to pursue a career in conservation.

An aspiration is a hope or ambition of achieving something. Natural ability and talent play a part in determining your career path, however hard work and dedication are also extremely important in achieving aspirations.

practicing and working at something will help you to succeed.

S	M	Α	R	Т
SPECIFIC	MEASUREABLE	ATTAINABLE	RELEVANT	TIME-BOUND
Define your	Decide how you	Set realistic	Ensure your	Set a clear
goal in detail.	will measure	goals that	goal is results-	deadline and
Be as specific as	success	challenge you,	oriented.	monitor your
possible		but are		progress.
		achievable		
G	0	Α	L	S



Goal-setting is a worthwhile activity at any stage of life.

Learning how to set and achieve goals is a life skill that will serve you well no matter your future plans.

How do you set meaningful goals that you can actually achieve?

Many accomplished students and professionals rely on the SMART goal-setting method. This approach defines your purpose and sets clear objectives to establish success.

Further sources of information and advice.			
concern@magnusacademy.co.uk	This email address can be used if you have any concerns about a student at the academy and can also be used to report bullying.		
Childline.org.uk 0800 1111	Child Line is a service you can use if you are worried or need to talk to someone about pretty much anything. You can chat online, or on the phone. Phone calls are free and don't show up		
https://www.bbc.co.uk/bitesize/topics/znpsqk7	BBC Bitesize has a whole section of its website dedicated to helping you find out about careers.		
https://www.youthemployment.org.uk	Youth Employment UK offers information about a wide variety of careers to help you aspire to greatness!		
https://barclayslifeskills.com/young-people/	Barclays Life Skills provides a range of resources to help you gain all the skills and knowledge you will need on the path to success.		
National Careers Service: https://nationalcareers.service.gov.uk/	This is a government website and it contains loads of information about different careers and routes in to them.		