Ofsted Good Provider 2022

# Need To Know Book Year 9 Autumn 2023

Name:

Form Group: \_\_\_\_\_

Take Responsibility.

Be Kind.

Work Hard.

Helping every person achieve things they never thought they could.

Little Lever School be kind | work hard | take responsibility

Contents	
Page	

Content	Page Number
Need to Know Instructions	5
Art	7 - 12
Computing	13 - 20
<ul> <li>Design and Technology</li> <li>Catering</li> <li>Design Tech</li> </ul>	23 - 26 27 - 30
Drama	31 - 40
English	41 - 50
Geography	51 - 60
History	61 - 72
Life Chances	73 - 80
Maths	81 - 88
Modern Foreign Languages <ul> <li>French</li> <li>Spanish</li> </ul>	91 - 94 98 - 98
Music	99 - 102
PE	103 - 110
Religious Education	111 - 114
Science	115 - 136







# **Knowledge Retrieval Sheet**

## What are knowledge retrieval sheets?

# Take Responsibility.

Here at Little Lever School, we think it is really important that you know what the essential knowledge is for each subject that you study. Learning takes place not only in the classroom, but in all areas of the school building, and at home. These knowledge retrieval sheets contain all the essential knowledge you will need to help revise and make progress towards achieving your best in all of your subjects.



By using your knowledge retrieval sheets each week you will be able to transfer your knowledge from your short-term memory, and make it stick. Within all your lessons, you will be asked to retrieve knowledge from your long-term memory. This might be in the form of quizzes or longer responses. These might require you to use lots of information you have already stored from previous lessons and from your own life experiences. These Need to Know Books will help you to check how much you can remember.

We have designed your knowledge retrieval sheets so that they are simple for you to use both in school and at home. You can even get others to help you. Below are some options for how you might use each sheet to make the knowledge stick in your brain so that you will be able to remember it.

## Using Knowledge Retrieval Sheets- 5 Top Tips:



**'Look, Cover, Say, Write, Check'-** Look at a fact on your sheet, cover it up with your hand or a piece of paper. Say it out loud, write the fact down without checking and then uncover and check if you were correct.

'If this is the answer, what is the question?'- Quiz yourself by covering up facts on your sheet. For example, you could cover up the definition of key vocabulary and try to remember what the key vocabulary means.

**Independent low-stakes quizzing-** Use the questions on the back of each sheet to test yourself. You should write the answers on a separate sheet of paper so that you can use the question sheet again in future.

Paired low-stakes quizzing- Give your book or a sheet to someone else. (Could be a friend, teacher or family). They can ask you the questions on the back of any sheet and use the facts on the front to check if you are correct.

**Flashcard Revision-** Make flashcards using your knowledge sheets. Can you summarise the essential knowledge into your own words to put onto a pocket-sized revision card?

# Helping every person achieve things they never thought they could.







Helping every person achieve things they never thought they could.



# Year 9 Art: The Formal Elements

The Formal Elements of Art		A A A A		COACE A		
	Line	A <b>line</b> is an identifiable path created by a point moving in <b>space</b> . It is one-dimensional and can vary in width, direction, and length. <b>Lines</b> can be horizontal,				
		vertical, or diagonal, straight or curved, thick or thin.	Contour Lines	Descriptive Lines	Expressive Lines	
	Tone	T <b>one</b> refers to the relative lightness or darkness of a colour. One colour can have an almost infinite number of different <b>tones</b> .	Lines that are used to	Descriptive lines tell us more about a subject. They	ey The way lines are	
	Colour	Made up of three properties: hue, value, and intensity. Red, yellow and blue are primary colours, which means they can't be mixed using any other colours. Two primary colours mixed make a secondary colour. A primary and a secondary colour mixed make a tertiary colour	define the shape or form of an object or to show key details are called outlines or contour lines.	help make a shape look more like a three- dimensional object by showing light, shade and texture.	created can be used to express emotions and to create mood.	
	Shape	A shape is an area enclosed by a line. It could be just an outline or it could be shaded in. Shapes can be either geometric, like a circle, square or triangle, or irregular.	<ul> <li>Jason Scarpace was born in 1972 in New York and is best known for his abstract fish art.</li> <li>Scarpace's fish paintings are created in acrylic, oil, watercolour, pastel and a variety of other media on canvas, board and paper.</li> <li>Widely regarded as colourful, completely original, and whimsical, the works of Jason Scarpace represent in his own words, "a personal journey through the use of basic art elements: line, shape and colour."</li> </ul>			
	Texture	<b>Texture</b> refers to the surface quality in a work of <b>art</b> . We associate <b>textures</b> with the way that things look or feel.				
	Pattern	Pattern 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.				
T	Form	Form is a three-dimensional shape, such as a cube, sphere or cone. Sculpture and 3D design are about creating forms.				

Year 9 Art: Th	e Formal Elements	some As		
The Formal Eleme	nts of Art	MA CZ2		
What do you know				
about me		What are contour lines?	What are descriptive lines?	What are expressive lines?
What do you know about <b>tone?</b>				
What do you know about <b>colour?</b>				
What do you know about <b>shape</b> ?		Jason Scarpace		
		Jason Scarpace was born in	n:	
What do you know about <b>texture</b> ?		Scarpace's fish paintings a	re created in	
What do you know about <b>pattern</b> ?		Widely regarded as colour original, and whimsical, th	ful, completely e works of Jason	
What do you know about <b>form</b> ?		Scarpace represent in his c	own words	

# Year 9 Art: The Formal Elements



# Natural Forms

Natural form is an object in nature in its original form.

For example: leaves, flowers, pinecones, seaweed, shells, bones, insects, stones, fossils, crystals, feathers, birds, fish, animals – in fact, anything you can find in nature – complete or part of it.



## **Mark Making**

Mark making describes the different lines, dots, marks, patterns, and textures we create in an artwork. It can be loose and gestural or controlled and neat.

It can apply to any material used on any surface: paint on canvas, ink or pencil on paper, a scratched mark on plaster, a digital paint tool on a screen... Artists can also use mark-making to express feelings and emotions.



#### Implied Texture

Rather than accurately copying the appearance of their subject, many artists use texture to show their technique and to express emotion. Vincent Van Gogh created many heavily textured artworks. using thick application of oil paint in an expressive manner.

This creates an artwork that has a rough texture as well as a raised surface. Applying thick areas of paint on a canvas like this is known as impasto. This layered, thick paint creates a visual effect that allows you to see the individual brushstrokes the artist has used.

## Actual Texture

Actual texture, or physical texture, means the actual physical surface of an artwork or design. It describes the tactile feeling you would get if you were able to run your hand over an artwork.

This feeling can vary depending on the materials the artist used to create the piece of work. It could be smooth, bumpy, coarse, rough or many other textures.

Actual texture is the result of the materials used and the artist or designer's technique.

# Year 9 Art: The Formal Elements



# Natural Forms

Natural form is \_\_\_\_\_

For example: leaves, flowers, pinecones, seaweed, shells, bones, insects, stones, fossils, crystals, feathers, birds, fish, animals – in fact, anything you can find in nature – complete or part of it.



## **Actual Texture**

Mark making describes the different...

It can apply to any material used on any surface: paint on canvas, ink or pencil on paper, a scratched mark on plaster, a digital paint tool on a screen... Artists can also use mark-making to express feelings and emotions.



#### Implied Texture

Rather than accurately copying the appearance of their subject, many artists use texture to show their technique and to express emotion. Vincent Van Gogh created many heavily textured artworks. using \_\_\_\_\_

This creates an artwork that has a rough texture as well as a raised surface. Applying thick areas of paint on a canvas like this is known as impasto. This layered, thick paint creates a visual effect that allows \_\_\_\_\_\_

Actual texture, or physical texture, means the actual physical surface of an artwork or design. It describes the \_\_\_\_\_

This feeling can vary depending on the materials the artist used to create the piece of work. It could be smooth, bumpy, coarse, rough or many other textures.

Actual texture is the result of the\_\_\_\_\_

# Computing



Helping every person achieve things they never thought they could.



# **E** Safety

#### **Definition: Sharing nude images**

Sending, receiving, or forwarding sexually explicit messages, photographs or images, usually between mobile phones but could be any digital device.

The law states the following things are illegal when involving any person under the age of 18:

- It is illegal to take naked photographs of yourself.
- It is illegal for you to send those photographs to someone else.
- It is illegal to receive inappropriate images of someone under the age of 18.
- It is illegal to forward an inappropriate image of someone under the age of 18 to someone else.
- It is illegal to persuade someone under the age of 18 to create a sexual image of themself.

#### You and Your Data

**Data** is raw facts and figures. E.g.: John: 28, Claire: 49

**Information** is created when that data has been processed and becomes meaningful: John needs to resit the test.

The following **personal data** may be collected about you: Name, date of birth, address

All organisations and people using and storing personal data must abide by the following **Data Protection Act** principles.

#### Data must be:



# **Cyber Security**

#### **Social Engineering**

- Social engineering is a set of methods used by cybercriminals to deceive individuals into handing over information that they can use for fraudulent purposes.
- **Phishing** A phishing attack is an attack in which the victim receives an email disguised to look as if it has come from a reputable source, in order to trick them into giving up valuable data.
- **Blagging** Blagging (also known as pretexting) is an attack in which the attacker invents a scenario in order to convince the victim to give them data or money.
- Name generator attacks These are attacks in which the victim is asked in an app or a social media post to combine a few pieces of information or complete a short quiz to produce a name.
   Attackers do this to find out key pieces of information that can help them to answer the security questions that protect people's other accounts.
- **Shouldering** Shouldering (also known as shoulder surfing) is an attack designed to steal a victim's password or other sensitive data. It involves the attacker watching the victim while they provide sensitive information, for example, over their shoulder.



# E Safety

#### **Definition: Sharing nude images**

Sending, receiving, or forwarding sexually explicit messages, photographs or images, usually between mobile phones but could be any digital device.

The law states the following things are illegal when involving any person under the age of 18:

You and Your Data
Data is
Information is

The following **personal data** may be collected about you: Name, date of birth, address

All organisations and people using and storing personal data must abide by the following **Data Protection Act** principles.

#### Data must be:



# **Cyber Security**

#### **Social Engineering**

- What is social engineering?
- What is phishing?
- What is blagging?

#### • What are name generator attacks?

• What is shouldering?

# **Cyber Security (continued)**

What is 'hacking'? Gaining unauthorised access to or control of a computer system.

#### Why might people want to hack?

- To steal data
- To disrupt services
- For financial gain
- For political reasons (espionage and activism)
- For fun (planting the flag)
- For ethical reasons

#### What are 'penetration testers'?

People who are paid to legally hack into computer systems with the sole purpose of helping a company identify weaknesses in their system.

# What is the difference between a 'denial of service DoS' attack and a 'distributed denial of service DDoS' attack?

A DoS is a cyberattack in which the criminal makes a network resource unavailable to its intended users. This is done by flooding the targeted machine or website with lots of requests in an attempt to overload the system. A DDoS is the same as DoS attack, only this time multiple computers are making attacks at the same time.

#### What is a 'brute force' attack?

This is a form of attack that makes multiple attempts to discover something (such as a password).

### What is Malware?

Malware (malicious software) is software that is designed to gain access to your computer with malicious intent.

#### What is a virus?

Viruses are a malicious form of self-replicating software. Once on a computer or network, a virus will replicate itself by maliciously modifying other computer programs and inserting code.

#### What is a 'worm'?

Worms replicate (copy) themselves but do not attach themselves to files as a virus does. Instead, worms spread through the network and use the system's resources. Most worms cause problems by slowing down the network significantly.

#### What is a 'Trojan'?

A Trojan is a piece of software that appears to perform a useful function (such as a game) but unbeknown to the user it also performs malicious actions. For example, it might open a 'back door' to give an attacker remote access to your computer.

#### Methods to protect networks from cyber attacks:

- Secure passwords (password managers)
- · A maximum number of attempts to log in before an account is locked
- CAPTCHA
- Biometrics
- Two-factor authentication (2FA)
- User permissions
- Firewall
- Anti malware
- Auto updates



# **Cyber Security (continued)**

#### What is 'hacking'?

#### Why might people want to hack?

- -
- \_
- •
- -
- -
- -

#### What are 'penetration testers'?

# What is the difference between a 'denial of service DoS' attack and a 'distributed denial of service DDoS' attack?

#### What is a 'brute force' attack?

What is Malware?
What is a virus?
What is a 'worm'?
What is a 'Trojan'?

#### What are methods to protect networks from cyber attacks?



## **Cyber Security**

**Computer Misuse Act:** 

This law covers an individuals use of computers.

#### It covers:

- Unauthorised access to computer material
- Unauthorised access with intent to commit or facilitate the commission of further offences
- Unauthorised acts with intent to impair, or with recklessness as to impairing, the operation of a computer

#### **Firewall**

A firewall checks incoming and outgoing network traffic. It scans the data to make sure it doesn't contain anything malicious and that it follows the rules set by the network.

#### **Anti-Malware**

Anti-malware is software that scans any file that is able to execute code. If anti-malware spots anything suspicious in the code, the files are quarantined.

#### **Auto Updates**

Auto-updates refers to software that automatically checks for available updates for the software you have on your computer. Once it finds an update, the software can be set either to alert the user or to install it automatically.

#### **User Authentication**

Only authorised users identified with the correct username and password will be allowed access. Different users will have access to different parts of the network.

#### **Two factor Authentication**

User authentication that provides an extra layer of security of online accounts. In addition to a username and password, a one time passcode or a PIN number may be sent to the user to input.

## Captcha

A type of user authentication that proves the user is a real person, not a computer.



# **Cyber Security**

#### **Computer Misuse Act:**

This law covers an individuals use of computers.

### What does it cover?

- •
- •
- •

## What is a firewall?

## What is anti-malware?

## What are auto updates?

What is user authentication?

## What is two factor authentication?

What is captcha?



# Design and Technology



Helping every person achieve things they never thought they could.

Little Lever School be kind | work hard | take responsibility

# Year 9 Catering

## What are seasonal foods?

Fruit and vegetables naturally grow in cycles, and ripen during a certain season each year. When they are in season they are harvested.

We mostly think of fruit and vegetables as seasonal however, some fish and meat can also be seasonal.

#### Advantages to using seasonal foods:

- Food is very fresh
- Food has the best flavour, texture and colour
- Nutrients have not been lost over time
- Food is cheaper than importing from other countries
- More support for local producers
- Food travels less distance

#### What are Food Miles?

Food miles are a way of attempting to measure how far food has travelled before it reaches the consumer.

It is a good way of looking at the environmental impact of foods and their ingredients.

It includes getting foods to you, but also getting waste foods away from you, and to the landfill!

# Disadvantages of using seasonal foods:

- Less choice at different times of the year
- Favourite products are not always available
- Reduced trade to other countries



## Fairtrade:

Ensuring that farmers in less economically developed countries get a fair deal;

## Local foods:

Buying locally supports local business and farmers and some believe that food produced locally is more sustainable;

## Genetically modified (GM) food:

Scientific intervention is used to change a plant, animal or micro-organism's genes or to insert one gene from another organism

## **Effects of Heat on Food**

- Proteins coagulate they 'set' and become firm e.g. an egg setting when fried
- Starches **gelatinise** this helps to thicken foods e.g. flour in a cheese sauce
- Sugars caramelise they become sweet and brown e.g. sugar melted on the top of a crème brulée
- Water **evaporates** this explains why foods become dry when they cook e.g. bread toasted
- Fats **melt** e.g. the fat that comes out of sausages when you grill them
- Surfaces **brown** e.g. the surface of a piece of meat or the crust of a loaf of bread

**To sauté** a dish means to cook it in a small amount of fat over high heat, making sure that the food doesn't stick to the pan.

**To simmer** means to cook something liquid, or something with liquid in it, at a temperature slightly below boiling

**To boil** is the cooking of food by immersion in water that has been heated to near its boiling point

**To reduce** a liquid means to simmer it until some of the water in it has evaporated, which intensifies the flavours and thickens the liquid

#### Why do we cook food?

- To make it nicer to eat e.g. add flavour, improve texture, enhance colour
- To make it safe to eat by destroying food poisoning bacteria
- To destroy bacteria which cause food spoil (go off)
- To make food easier to digest



Year 9 Catering		What is Fairtrade?	<b>To sauté</b> a dish means to cook it in a
What are seasonal foods?		What are local foods and what are the benefits?	To simmer means
What are the advantages to using seasonal foods? • •	What are the disadvantages of using seasonal foods? •	What is genetically modified (GM) food?	To boil is the cooking of food by To reduce a liquid means to
•	•	What are the different effects of heat on food?	
• • •	•	•	Why do we cook food? •
What are Food Miles?		•	

# Year 9 Catering

## Convection

Convection is used in many situations, for example boiling eggs in a pan.

The water molecules closest to the bottom of the pan will gain kinetic (movement) energy and spread out.

This area of water will become less dense and rise.

Cooler water at the top of the pan moves down to take its place.

This causes a convection current, the boiled water circulates around the food, cooking it.

# Conduction

During conduction heat energy is passed to the food from the heat source by **direct contact** e.g. frying bacon.

**Heat energy** is **transferred** from the hob to the outside of the pan and pass on this energy to any other molecules they are in contact with.

Food that comes into contact with the inside of the pan will also gain this energy.

# **Food preservation**

Known "as the science which deals with the process of prevention of decay or spoilage of food thus allowing it to be stored in a fit condition for future use".

## **Convenience foods**

A food, typically a complete meal, that has been pre-prepared commercially and so requires minimum further preparation by the consumer

# Conduction Convection Radiation

Heat Transfer

## Radiation

All warm objects give off infra-red radiation that travels as waves.

Food that is cooked by grilling or toasting is cooked by radiation.

The infra-red radiation which is absorbed by the food increasing its temperature.

## Microwaves

Microwaves use a different type radiation to cook food. The radiation is high-energy radio waves given the name microwaves.

The microwaves penetrate the food and are absorbed by the water in the food, causing the molecules to vibrate, increasing its temperature.

This heat energy cooks the food.



# Year 9 Design and Technology

**Colours** 

### Complementary Colours

These are the ones that are directly opposite each other on the colour wheel and provide good contrast when used together.

#### **Analogous Colours**

Colours are called analogous colours when they are very similar to each other, especially when they are next to each other on a colour wheel.



## **Smart materials**

A 'smart material' can be defined as a material whose physical properties change in response to an input e.g. making them simpler or safer to use.

**Live edge acrylic sheets** have a vivid fluorescent edge which 'glows' under ambient light

**QTC (quantum tunnelling composite)** smart materials used as the switch becomes conductive when under pressure.

# **Classification of Plastics (polymers)**

- Thermoforming polymers
- Can be softened with the use of heat and moulded into shapes.
- Thermosetting polymers
- Once moulded into shape, cannot be remoulded with the use of heat.

## **Characteristics of Polymers**

- Polymers are mainly made from crude oil.
- Polymers can be produced from synthetic sources.
- Most thermoforming polymers are recyclable.
- Most thermosetting polymers are not recyclable.
- Generally, polymers have good resistance to corrosion/degradation.
- Polymers can be moulded into shape relatively easily.
- Polymers are self-coloured.
- Polymers are sold as sheets, film, bar, rod and tubes.

# **Joining Plastics**

Tapping is the process of making an internal thread in a material.

Gluing using solvent cement. Fuse the two layers of acrylic together.





Year 9 Design and Technology	Why is it important to reduce the use of single use
Explain what isometric drawing is:	
Draw your initials in isometric projection:	
	Identify the tools for shaping and finishing acrylic
	1.
Explain the difference between a not countersunk and a counter sunk screw below. Draw a sketch if it helps.	2.
	3.
	4.

# Drama



Helping every person achieve things they never thought they could.



# Characters

Mickey Johnstone	The lower-class twin. He is honest, sincere and goodhearted. He impregnates Linda, gets laid off, is arrested for Sammy's crime and ends up in prison and addicted to anti-depressants. His rage at Linda & Edward for having an affair drives the play's finale.
Edward Lyons	Is also good-natured but the higher-class twin. His sheltered upbringing makes him innocent but because of class he gets good opportunities e.g. university and a good job. His good- natured manner leads to the play's final scene.
Mrs Johnstone	Biological mother of the twins and a horde of other children. Left by her husband she gets a job as a cleaner. She is the moral centre of the play; is tortured by guilt and regret.
Mrs Lyons	Opposite of Mrs J whom she employs as a cleaner. She adopts Edward as her own child. Is haunted by the original act of a mother giving up her child. The guilt turns into suspicion and paranoia. She announces the affair and contributes to the murder of her adopted son.
Linda	Begins as a tomboyish young girl but both twins fancy her from an early stage. She only has eyes for Mickey as a teenager but later turns to Edward for comfort and support, which turns into an affair. Despite this, she loves both twins and is a sympathetic character.
Narrator	All-knowing and always slightly menacing- takes many roles throughout the play. Narrator constantly reminds the audience of the terrible choice that began this chain of events. Frequent mentions of fate and superstition but the Narrator claims it was class, not fate.
Sammy	When they are younger, Mickey just wants to be like Sammy. Quickly becomes a juvenile delinquent; even attempting to rob a bus as a teenager- he ends up in prison with Mickey.
Mr Lyons	Married to Mrs Lyons- away so Mrs L can adopt Edward. Grows increasingly concerned about his wife's mental health and wellbeing.

	Key Words			
1. A	Protagonist	the leading character or one of the major characters in a play, film, novel		
A	Theme	An idea or subject that is repeated throughout a piece of writing or speech		
Ve.	Injustice	Lack of fairness		
3	Stigmatized	Describe or regard someone or something as worthy of disgrace		
	Juxtaposition	Two or more contrasting ideas placed near each other.		
	Dramatic Irony	When the audience understands something that the characters in a play do not		
	Tension	A feeling of nervousness or unease before an important or difficult event		
	Foreshadowing	A warning or hint about a future event.		
A	Prejudice	A preconceived opinion that is not based on reason or actual experience		
	Playwright	The person who writes a play		
	Tragedy	A genre of drama based on human suffering and, mainly, the terrible or sorrowful events that befall a main character		
	Vulnerable	Exposed to the possibility of being attacked or harmed, either physically or emotionally		

## Characters

Write down 5 characteristics or facts about Mickey Johnstone:

Write down 5 characteristics or facts about Edward Lyons:

Write down 5 characteristics or facts about Mrs Johnstone:

Write down 5 characteristics or facts about Mrs Lyons:

Write down 5 characteristics or facts about Linda:

Write down 5 characteristics or facts about the **narrator**:

Write down 2 characteristics or facts about Sammy:

Write down 2 characteristics or facts about Mr Lyons:

	Key Words- what are their definitions?		
1	Protagonist		
A	Theme		
	Injustice		
10	Stigmatized		
	Juxtaposition		
	Dramatic Irony		
	Tension		
	Foreshadowing		
	Prejudice		
	Playwright		
	Tragedy		
	Vulnerable		

Key Terms	Definitions	
Brief Biography	Willy Russell was born in 1947 into a working-class family near Liverpool. He left school at the age of 15 without academic qualifications and became a hairdresser. By the age of 20, he felt the need to return to education and after leaving university, he became a teacher in his home city.	<ul> <li>Don't you</li> <li>"Y'know t</li> <li>"A debt is</li> </ul>
Social	There was a large gap between working and middle class in Britain during this time. The Johnstones and Lyons families are class stereotypes. Many working class families struggled financially and to find work. There was also a class divide in education; this is shown when Mickey goes to secondary school and Edward attends a private boarding school.	<ul> <li>"How com nothin'?"</li> <li>"A mothe of her heat</li> </ul>
Margaret Thatcher	The first female Prime Minister in power during that time. She was responsible for lots of working-class people losing their jobs. During her time in power, unemployment rates were raised higher than ever before. She believed everyone can be successful if they work hard.	<ul> <li>"If either they shall</li> <li>"You've ge made./ No being paid</li> </ul>
Marilyn Monroe	A famous Hollywood movie star from the 1950s who Mrs J is compared to. She is known for being glamorous, but also struggled with depression which led her to commit suicide (by painkillers).	<ul> <li>"I could have be a second of the second of th</li></ul>

## Themes

**Superstition**: The audience is constantly reminded of this. The narrator asks us if superstition is to blame for boys' fate.

**Class**: Russell shows us the injustice of the class divide with the Johnstones and Lyons, as well as M and E. Related to education, opportunity and power.

**Nature vs. Nurture**: Splitting up the twins shows us how the environment can have a huge impact on life chances.

**Relationship**: The development and change in friendship between M, E, and Linda. The interaction between Mr and Mrs L, mother and son, and Mrs J and society.

# **Key Quotations**

- □ "Don't you know what a dictionary is?"
- □ "Y'know the devil's got y' number"
- "A debt is a debt and must be paid"
- "How come you got everything and I got nothin'?"
- "A mother, so cruel,/ There's a stone in place of her heart"
- "If either twin learns that he was once a pair, they shall both immediately die"
- "You've got to have an ending, if a start's been made./ No-one gets off without the price being paid"
- "I could have been him"
- "Do we blame superstition for what came to pass/ Or could it be what we, the English, have come to know as class?"
- "She's cooing and cuddling as if she were his mother. It's a, it's a thingy, innit?"
- "That's what's going to happen if I have anymore trouble from one of yours. I warned you last time"
- "It was more of a prank, really, Mr Lyons. I'd just dock his pocket money if I was you"

Key Terms	Definitions	
List 4 facts about Willy Russell		<ul> <li>"Y'know the devil's got y'</li> <li>"A debt is a and</li> </ul>
Where do we see a social class divide in the play?		<ul> <li>"How come you got nothin'?"</li> <li>"A mother, so cruel,/ The of her heart"</li> </ul>
List 4 facts about Margaret Thatcher	;	<ul> <li>"If either twin learns that they shall both immediat</li> <li>"You've got to have an been made./ No-one gets being paid"</li> </ul>
List 4 facts about Marilyn Monroe		<ul> <li>"I could have been</li> <li>"Do we blame</li> </ul>
Themes		pass/ Or could it be what come to know as class?"

Where do we see the theme of superstition in the play?

Where do we see the theme of nature vs. nurture in the play?

# is?" ,, must be paid" and I got ere's a \_\_\_\_\_ in place : he was once a \_\_\_\_\_, ely die" , if a start's s off without the price for what came to we, the English, have □ "She's cooing and as if she were his mother. It's a, it's a thingy, innit?" □ "That's what's going to happen if I have anymore trouble from one of yours. I you last time"

Key Quotations- fill in the missing word:

"It was more of a \_\_\_\_\_, really, Mr Lyons. I'd just dock his pocket money if I was you"
## Year 9 Drama: Blood Brothers

## Plot

Act 1: before birth	Act 1- 7 years old	Act 2- 14 years old
The play starts with the narrator talking about a 'story about the Johnstone twins' and two men laid dead on the stage.	Mickey and Eddie meet for the first time at the park and become 'blood brothers' when they find out they share the same birthday.	Both boys have become interested in girls but feel awkward.
We go back in time where we learn Mrs Johnstone's husband has just left her; she is very poor and already has 7 children.	When Mrs J realises the two have met, she is horrified.	Edward attends boarding school.
She starts a new job cleaning Mrs Lyons' house and	Mrs L reacts more violently and slaps Edward when he swears at her. She even contemplates uprooting her entire family in order to escape.	Mickey and Linda have romantic feelings for each other but Mickey's lack of confidence is getting in the way.
She strikes up a deal with Mrs L as she can't afford to keep both so Mrs L convinces Mrs J to give her one of the babies as her husband is currently away	Despite their mothers' disapproval, the boys continue to see each other and play with their friend, Linda. They play various pranks and end up getting caught by the police.	Mickey and Eddie both struggle at school- Mickey insults a teacher and Edward refuses to take off the locket. When Mrs L finds out, she's appalled but is more upset when she sees the content of the locket.
on business and she can't have a child of her own.	Mrs L decides they should move.	Mickey and Edward meet, by circumstance again- Mickey takes Edward back to his but they are not aware that Mrs L is following them.
The babies are born and Mrs J begrudgingly hands one of the babies over for Mrs L to later fire her.		
	Before Edward leaves Mrs J gives him a locket with a picture of herself and Mickey. The Johnstones also find out they are being relocated.	Once the boys leave the house, Mrs L attacks Mrs J with a knife and curses her, calling her a witch.
		The boys meet with Linda and spend the summer together- an idyllic sequence follows as the trio age from 14 to 18.

## Year 9 Drama: Blood Brothers Plot

Act 1: before birth	Act 1- 7 years old	Act 2- 14 years old
1. Who is first to appear on the stage?	6. Where do Mickey and Edward meet for the first time?	13. What are both boys interested in at the beginning of this act?
2. How many children does Mrs Johnstone have at the beginning of the play?	7. How does Mrs Johnstone feel when she finds out the boys have met?	14. What kind of school does Edward attend?
3. What job does Mrs Johnstone begin?	8. How does Mrs Lyons react when she finds out the boys have met each other?	15. What gets in the way of Mickey and Linda's relationship?
4. What deal does Mrs Johnstone make with Mrs Lyons and why?	9. Who is Mickey and Edward's friend?	16. How do both Mickey and Edward individually struggle at school?
	10. What dramatic decision does Mrs Lyons make for her family?	17. When Mickey and Edward meet again, what are they not aware of?
5. What does Mrs Lyons do to Mrs Johnstone at the end of the act?	11. What does Mrs Johnstone give Edward before	
	he leaves?	18. What does Mrs Lyons call Mrs Johnstone?
	12. What do the Johnstone family find out at the end of the act?	19. Who do Mickey and Edward spend the summer with?

## Year 9 Drama: Blood Brothers

Act 2- 18 years old	Act 2- the end
At 18 in the sequence, the narrator warns that soon, both their joy and childhood will end.	Mickey continues to take the pills despite Mrs J & Linda's pleas.
Edward has developed feelings for Linda and is at university whilst Mickey works in a factory.	Linda, desperate, asks Edward, now a city councilman, to find them ar apartment and getting Mickey a job.
Edward self-sacrifices his feelings and encourages Mickey to ask Linda to be his girlfriend and she accepts.	Mickey is angry about this and a devastated Linda seeks comfort with Edward and begins an affair with him.
In October, Mickey tells his mum that Linda is pregnant and the two	The affair continues and Mickey stops taking his pills for Linda's sake.
will be getting married. Their wedding coincides with a huge economic downturn resulting in Mickey getting paid off.	Mrs Lyons reveals Linda and Edward's affair to Mickey. Enraged, he takes Sammy's gun out of the floorboards and confronts Edward, with a distraught Mrs J and Linda trying to get him to stop.
When Edward returns from Christmas, Mickey is downtrodden and claims 'blood brothers' is childish.	
Edward confesses his love to Linda but she tells him she is married and pregnant.	Mickey finds and confronts Edward at the town hall about the affair, as well as whether Mickey's daughter is actually his. Edward denies fathering Mickey's child.
A desperate Mickey participates in a burglary with Sammy that goes wrong resulting in Sammy killing a man.	The police surround the area and Mrs J bursts in and tells the boys they are twins separated at birth. Mickey asks why he couldn't have been Edward and then accidentally pulls the trigger of the gun, shooting and immediately killing Edward, the police then shoot Mickey
They are both sentenced to prison and Mickey becomes depressed and is prescribed antidepressants which he becomes addicted to, even after he's been released.	The play ends with the boys led on the stage and the narrator wonders what really killed the twins: superstition or the class system?

Plot



Year 9 Drama: Blood Brothers	Plot	
Act 2- 18 years old	Act 2- the end	
20. What does the narrator warn at the beginning of the act?	28. What does Mickey do against Linda's wishes?	
21. Where does Mickey work?	29. What help does Linda ask Edward for?	
22. What does Edward encourage Mickey to do?	30. What happens next between Edward and Linda?	
23. What is happening at the same time as Mickey and Linda getting married?	31. What who tells Mickey about the new relationship and what does Mickey do when he finds out?	
24. How is Mickey feeling when Edward returns from university?	32. Why does Mickey find Edward?	
25. What does Edward tell Linda when he returns?		
26. What happens when Sammy and Mickey complete a burglary?	33. How do each of the brothers die?	
27. What happens to Mickey in prison?		Ó
	34. What is the narrator's question at the end of the play?	

# English



Helping every person achieve things they never thought they could.







**Aristotle's Three Pillars of Rhetoric (Persuasion) :**Aristotle was an Ancient Greek philosopher who argued that you must include three types of persuasion in your writing/speech to effectively convince an audience.

Logos – Your reasons and arguments make logical sense (explained, proved and factual)
 Pathos – Provoke an emotional reaction in your audience (emotive language, exaggeration, adjectives)
 Ethos – Prove you are credible, trustworthy and you know your stuff! (use statistics, research and evidence)



**Aristotle's Three Pillars of Rhetoric (Persuasion) :** Aristotle was an Ancient Greek philosopher who argued that you must include three types of persuasion in your writing/speech to effectively convince an audience.

What is logos? What is pathos? What is ethos?



## Year 9 English:

									A punctuation A
v	ocabulary		Def	inition			Example		
1. In	ıtrigue	Make	someone curious and ir	nterested to find somet	hing out.	The opening	of a narrative must intrig	ue the reader.	$\sim$
2. T	ension	Where frighte	e a writer builds an expe ening or dramatic is goir	ectation that something ng to happen.	5	The horror fi through the	ilm built tension as the cho graveyard.	aracters walked	17. Dashes
3. P	owerless	Somet	thing has no power.			The flowers	were powerless in the win	d.	Add extra information to a sentence
4. E	quality	Fair ri	ghts and opportunities f	or everyone.		The rules cre	eated equality for all peop	le.	forever - in just a matter of seconds
5. A	spiration	An ain	n or ambition for the fu	ture.		lt is my aspir	ration to travel the world.		
6. To	one	The attitude or emotion behind a piece of speech or writing.		She spoke with a sarcastic tone.					
7. R	esponsibility	Havinį becau	g a duty to perform a ta se you have power and	sk or take care of some control over it.	thing,	It is everyone's responsibility to care for the environment.		Add parenthesis	
8. Ir	ner Conflict	A char right c	racter has a mental strug or wrong.	ggle over a decision or v	what is	Dante suffered an inner conflict as he couldn't decide what to do for the best.		(extra information) to a sentence	
9. ld	lentity	The pa backg	he parts of your character, personality, interests, culture and ackground that make a person who they are.			His family tr	aditions were an importar	nt part of his identity.	
<b>10</b> . <sup>-</sup>	Theme	A subj	A subject or topic that occurs throughout a text.			The theme o	f family is central to the n	ovel 'Boys Don't Cry'.	19. Comma
Grammar	11. Main Clau A phrase that m sense on its own has a subject and Dante loved his	ISE nakes n, as it a verb s child.	12. Subordinate clause A phrase that doesn't make sense on its own. It adds information to the main clause. In the middle of the night,	13. <u>Parenthesis</u> Extra explanations added into sentences The novel is set in America.	Fronted An advert phrase, beginning of to suggest where hap Yesterday change	14. Adverbial used at the of the sentence how, when or something upened. <i>y</i> , Dante's life ed forever.	15. <u>Prepositional</u> <u>phrase</u> A phrase that tells you when or where something is in relation to something else. <i>On, at, in next to,</i> yesterday, after, during, before, sometimes	16. <u>Minor Sentence</u> A sentence that does not make grammatical sense on it's own (as it doesn't have both a subject and verb) but is used as a sentence Oh no!	Add extra information to a sentence Dante's life changed forever, in just a matter of seconds.

 $\prec$ 

## Year 9 English:

	Vocabulary		Definition		Exa	ample	Punctuation
<b>1.</b> D	efine <i>intrigue</i>				The opening of a narrative	e must intrigue the reader.	
<b>2.</b> D	efine <i>tension</i>				The horror film built tensi through the graveyard.	on as the characters walked	17. What do
<b>3.</b> D	efine <b>powerless</b>				The flowers were powerle	ss in the wind.	dashes do?
<b>4.</b> C	Define <b>equality</b>				The rules created equality	for all people.	
<b>5.</b> D	efine <i>aspiration</i>				It is my aspiration to trave	el the world.	
<b>6.</b> D	efine <i>tone</i>		She spoke with a sarcastic tone.		18. What do		
<b>7.</b> D	efine <b>responsibility</b>				It is everyone's responsibility to care for the environment.		
<b>8.</b> D	efine <i>inner conflict</i>				Dante suffered an inner co what to do for the best.	onflict as he couldn't decide	
<b>9.</b> D	efine <i>identity</i>				His family traditions were identity.	an important part of his	
10.	Define theme				The theme of family is cer Cry'.	tral to the novel 'Boys Don't	19. What do
Grammar	11. What is a main clause?	12. What is a subordinate clause?	13. What is parenthesis?	14. What is a fronted adverbial?	15. What is a prepositional phrase?	16. What is a minor sentence?	commas do?

English: Spelling Challenge- Most commonly misspelled words.						
1. Acceptable	11. Believe	21. Disappear	31. Foreign	41. Ignorance		
2. Accidentally	12. Calendar	22. Disappoint	32. Fourth	42. Immediate		
3. Accommodate	13. Category	23. Drought	33. Gauge	43. Independent		
4. Acquire	14. Cemetery	24. Embarrass	34. Generally	44. Indispensable		
5. Acquit	15. Changeable	25. Equipment	35. Grammar	45. Intelligence		
6. A lot	16. Collectible	26. Exceed	36. Grateful	46. Interrupt		
7. Amateur	17. Committed	27. Excite	37. Guarantee	47. Judgement		
8. Apparent	18. Conscience	28. Existence	38. Harass	48. Knowledge		
9. Argument	19. Conscientious	29. Experience	39. Height	49. Leisure		
10. Because	20.Definitely	30. February	40. Hierarchy	50. Library		

English: Spelling Challe	nge- Most commonly misspelled words.
--------------------------	--------------------------------------

Spe	lling	

1.	11.	21.	31.	41.
2.	12.	22.	32.	42.
3.	13.	23.	33.	43.
4.	14.	24.	34.	44.
5.	15.	25.	35.	45.
6.	16.	26.	36.	46.
7.	17.	27.	37.	47.
8.	18.	28.	38.	48.
9.	19.	29.	39.	49.
10.	20.	30.	40.	50.

English: Spelling	English: Spelling Challenge- Most commonly misspelled words.						
51. Lightning	61. Occurrence	71. Questionnaire	81. Rhythm	91. Umbrella			
52. Maintenance	62. Official	72. Receive	82. Schedule	92. Vacuum			
53. Manoeuvre	63. Parallel	73. Recommend	83. Scissors	93. Vicious			
54. Millennium	64. Parliament	74. Referred	84. Sensible	94. Whether			
55. Miniature	65. Particle	75. Reference	85. Separate	95. Weigh			
56. Minute	66. Pigeon	76. Relevant	86. Special	96. Weird			
57. Mischievous	67. Possession	77. Religious	87. Success	97. Whistle			
58. Noticeable	68. Preferable	78. Restaurant	88. Tomorrow	98. Wonderful			
59. Occasion	69. Principle	79. Ridiculous	89. Twelfth	99. Yoghurt			
60. Occur	70. Privilege	80. Rhyme	90. Tyranny	100. Youth			

## English: Spelling Challenge- Most commonly misspelled words.

English: Spelling	English: Spelling Challenge- Most commonly misspelled words.					
51.	61.	71.	81.	91.		
52.	62.	72.	82.	92.		
53.	63.	73.	83.	93.		
54.	64.	74.	84.	94.		
55.	65.	75.	85.	95.		
56.	66.	76.	86.	96.		
57.	67.	77.	87.	97.		
58.	68.	78.	88.	98.		
59.	69.	79.	89.	99.		
60.	70.	80.	90.	100.		

## Geography

Helping every person achieve things they never thought they could.



Ye	ar 9 Geography	13. Explain the formation					
		mountains.					
1	What is adaptation?	at is adaptation? How plants and animals change their bodies to survive in different locations.					
2	What is altitude?	The height of an object or point in relation to sea level or ground level.	convection currents in the mantle.				
3	What is climate change?	A long-term, large-scale change in the planet's average temperatures and weather patterns	•The plates smashed into each other.				
4	What is a coral reef?	•The land crumples and mountains starts to form.					
5	What are fold mountains?	/hat are fold mountains? Where two or more of Earth's tectonic plates are pushed together					
6	What is mitigation?	To reduce or prevent the effects of something from happening.	•Mount Everest continues to grow today				
7	What are plate tectonics?	The Earth's crust and upper part of the mantle are broken into large pieces called tectonic plates. These are constantly moving at a few centimetres each year and are known as plate tectonics.					
8	What is a Sherpa?	A member of a Tibetan people living on the high southern slopes of the Himalayas in eastern Nepal and known for providing support for foreign trekkers and mountain climbers.					
9	What is a storm surge?	A storm surge is a change in sea level that is caused by a storm. They can lead to extensive flooding and are dangerous for people living in many coastal areas.	Lon states of the				
10	What is tourism?	Tourism is when people travel away from home for pleasure.	Contraction in				
11	What is a tsunami?	A series of extremely long waves caused by a large and sudden displacement of the ocean, usually the result of an earthquake below or near the ocean floor.					
12	What do we mean by vulnerable?	A vulnerable landscape is an area which is at risk from natural or human damage. It could be permanent or temporary but will have a negative effect on the environment and its people.	An at				

Ye	ar 9 Geography	13. Explain the formation	
		mountains.	
1	What is adaptation?		
2	What is altitude?		
3	What is climate change?		
4	What is a coral reef?		
5	What are fold mountains?		
6	What is mitigation?		
7	What are plate tectonics?		CONTRACTOR OF STREET, S
8	What is a Sherpa?		
9	What is a storm surge?		San Alexandre
10	What is tourism?		The state
11	What is a tsunami?		
12	What do we mean by vulnerable?		Angela -

ar 9 Geography: Vul	The location of the Maldives	
does tourism impact the Hima	19. What four strategies are proposed by the Maldives and UNESCO to protect the islands?	
What is a social impact of tourism on the Himalayas and the people who live there?	There have now been traffic jams of people on Mount Everest trying to reach the summit.	<ol> <li>Build sea walls around the most populated islands.</li> <li>Build artificial (man made) islands that are higher</li> </ol>
What is an economic impact of tourism on the Himalayas and the people who live there?	Tourism is a major source of income for many of the locals.	<ol> <li>Build distinction (main made) islands.</li> <li>than the current natural islands.</li> <li>Preserve mangrove forests and coral reefs.</li> </ol>
What is an environmental impact of tourism on the Himalayas and the people who live there?	Pollution has increased as people leave unwanted items along the mountain range.	<ol> <li>Build more hotels to increase tourism to earn extra money to build man-made islands.</li> </ol>
ocation of the Maldives		
Describe the location of the Maldive Asia China India Bay Bengal Somalia Equator Maldives Indian Ocean	The Maldives are located in the Indian Ocean in southern Asia. India is to the north of the Maldives and Somalia is to the west. The Maldives are located just above the equator.	
are the Maldives vulnerable?		
What makes the Maldives a vulnera landscape?	ndia. e is little protection from major storms. ed to be submerged in the future.	
	does tourism impact the Hima what is a social impact of tourism on the Himalayas and the people who live there? What is an economic impact of tourism on the Himalayas and the people who live there? What is an environmental impact of tourism on the Himalayas and the people who live there? Coation of the Maldives Describe the location of the Maldive Describe the location of the Maldive Maldives Indian Benkel Maldives Indian Cocean Tropic of Capricorn	Af Y Geography: Vulnerable Lanascapes         does tourism impact the Himalayas?         What is a social impact of tourism on the Himalayas and the people who live there?       There have now been traffic jams of people on Mount Everest trying to reach the summit.         What is an economic impact of tourism on the Himalayas and the people who live there?       Tourism is a major source of income for many of the locals.         What is an environmental impact of tourism on the Himalayas and the people who live there?       Pollution has increased as people leave unwanted items along the mountain range.         ocation of the Maldives       Pollution has increased as people leave unwanted items along the mountain range.         ocation of the Maldives       The Maldives are located in the Indian Ocean in southern Asia. India is to the north of the Maldives and Somalia is to the west. The Maldives are located just above the equator.         are the Maldives Vulnerable? <ul> <li>The Maldives are 1600 km from the nearest country - It <ul> <li>Due to the Maldives location in the Indian Ocean, there <ul> <li>The Maldives are used on the malays and the poople</li> <li>The Maldives are 1600 km from the nearest country - It <ul> <li>Due to the Maldives location in the Indian Ocean, there <ul> <li>The Maldives are very low lying islands that are expected</li> <li>The Maldives are very low lying islands that are expected</li> </ul></li></ul></li></ul></li></ul></li></ul>



## Year 9 Geography: Globalisation

### Key Vocabulary

1	What is air freight?	The carriage of goods by air.
2	What is containerisation?	A system of transportation to carry goods around the world in containers.
3	What do we mean by de-industrialised?	The reduction of manufacturing within an economy.
4	What is digital workplace?	The digital workplace is a work environment which will be dominated by new communications technology. It means workers will collaborate over the internet from many places around the world and some people may never meet these colleagues in person or leave their home office for work.
5	What is a franchise?	A type of agreement that entails reproducing a successful business model across multiple locations.
6	What is globalisation?	The increasing connections between places and people across the planet, established through trade, politics and cultural exchanges, and helped by technology and transport
7	What do we mean by industrialised?	The transformation of economies to those that are dominated by manufacturing and services.
8	What is Panamax?	The maximum ship size that can transit the Panama Canal.
9	What is post-Panamax?	Ships larger than Panamax that do not fit in the original canal locks.
10	What is a production base?	The total national industrial production capacity available for the manufacture of items to meet materiel requirements.
11	What is a transnational corporation?	A company that is controlled from its home country but has large operations in many different countries
12	What is world trade?	The purchase and sale of goods and services by companies in different countries

### Year 9 Geography: Globalisation and the second **Key Vocabulary** What is air freight? 1 2 What is containerisation? What do we mean by de-industrialised? 3 What is digital workplace? 4 What is a franchise? 5 What is globalisation? 6 7 What do we mean by industrialised? 8 What is panamax? What is post-panamax? 9 10 What is a production base? 11 What is a transnational corporation? What is world trade? 12

Yec	ir 9 Geogr	aphy: Globalisation		osers	s of Globalisatior	
Intro	luction to Glob	alisation				<ul> <li>Workers who are able to move to higher income countries.</li> </ul>
13	What are the advantages of globalisation?	<ol> <li>Life expectancy in many developing countries has risen to over 70 years old.</li> <li>Since 1990, the population of developing countries living in extreme poverty has halved to 21%</li> </ol>		16	Who are the winners of globalisation?	<ul> <li>Multinationals who gain from tax avoidance and outsourcing cheaper labour.</li> <li>Educated skilled workers who have power to gain higher wages.</li> <li>Families who receive remittance money from relative working in global industries e.g. shipping crews.</li> </ul>
		<ol> <li>We have seen the fastest reduction in poverty in human history, this coincides with rising levels of global trade and investment.</li> </ol>				<ul> <li>Land-locked countries unable to develop exporting industries.</li> <li>Countries who suffer from a 'brain drain' as skilled workers</li> </ul>
14	What are the disadvantages of globalisation?	<ol> <li>1.4 billion people still live in poverty, both in rural areas and slums of cities.</li> <li>Polluting industries have moved from Europe and North America to Asia and Africa.</li> </ol>		17	Who are the losers of globalisation?	<ul> <li>move abroad and leave e.g. scientists, doctors, teachers.</li> <li>Manufacturing detector in high labour cost countries.</li> <li>Structural unemployment amongst former manual workers due to lack of training in tertiary jobs.</li> </ul>
				How bad are bananas?		
		3. Many factory and farm workers in Asia and Africa endure hard working conditions for low pay.		What do we mean 18 by a carbon		The amount of carbon dioxide released into the atmosphere as a result of the activities of a particular individual, organisation, or community
TNC C	ase studies			3	footprint?	This is measured in CO2e or Carbon Dioxide equivalents
		Global demand for cotton means that the		TN	NC Case studies	
15	How does cotton production have a negative impact on the Aral Sea?	farms around the Aral Sea need massive volumes of water. They have been draining the sea for 50 years and it is now around 1/5th of its original size. The fertilisers and pesticides which have washed from the farms have crystalised with the salts of the former sea creating a toxic poisoning dust which blows into the towns and villages causing lung diseases and cancers.		19	What are the positives of a digital workplace?	<ul> <li>Lower operating costs as you need to pay for less offices, meals, hotel stays, flights etc.</li> <li>Increased collaboration from around the world bringing more experts together.</li> <li>More profits into your business meaning more tax income for governments.</li> <li>Better for the environment as less travel is reducing air/noise/water pollution.</li> </ul>

Yeo	ar 9 Geogr	aphy: Globalisation	Loser	s of Globalisatior	
13	What are the advantages of globalisation?	alisation	16	Who are the winners of globalisation?	
14	What are the disadvantages of globalisation?		17 How b	Who are the losers of globalisation?	
TNC	Case studies		18	What do we mean by a carbon footprint?	
15	How does cotton production have a negative impact on the Aral Sea?		19	What are the positives of a digital workplace?	

## History



Helping every person achieve things they never thought they could.



## Year 9 History:

Торіс	Ques	stion	Answer		
	1	Which COUNTRIES are referred to as 'the big three?'	USA, Great Britain and USSR		
War I	2	How did Hitler kill himself?	Hitler took poison capsules and shot himself.		
World 1	3	Which LEADERS were in charge of the Big Three when Germany surrendered?	Roosevelt, Churchill, Stalin		
nd of	4	Why did USA begin to distrust the USSR?	USA thought USSR was spreading Communism in Europe		
Ξ	5	Why did USSR begin to distrust USA?	They wondered why America had kept the atom bomb a secret from them.		
/ar	6	What was the Cold War?	A rivalry between USA and USSR from 1945-1990		
N plo	7	What is Capitalism?	A system where goods and property are owned privately.		
o to C	8	What is Communism?	A system where goods and property are owned by the state.		
Intro	9	What is a superpower?	A very powerful and influential country e.g. USA or USSR		
-	10	What is an arms race?	Where countries compete to build up weapons.		
ace anc ganda	11	How many times have atom bombs been used in war?	Twice - USA attacked Hiroshima and Nagasaki in 1945		
Arms R Propa	12	What does M.A.D. stand for?	Mutually Assured Destruction		
•	13	What is an ICBM?	A missile that can be fired from ground rather than dropped from a plane.		

## Year 9 History:

Торіс	Ques	stion	Answer	
	1	Which COUNTRIES are referred to as 'the big three?'		Hon
nd of World War I	2	How did Hitler kill himself?		
	3	Which LEADERS were in charge of the Big Three when Germany surrendered?		
	4	Why did USA begin to distrust the USSR?		
ū	5	Why did USSR begin to distrust USA?		
ld War	6	What was the Cold War?		
	7	What is Capitalism?		
to C	8	What is Communism?		
Intro	9	What is a superpower?		
_	10	What is an arms race?		
ace anc ganda	11	How many times have atom bombs been used in war?		
Arms R Propa	12	What does M.A.D. stand for?		
4	13	What is an ICBM?		

Year 9 History:		Que	stion	Answer
	Berlin Blockade and airlift	14	How were Germany and Berlin controlled after World War II	They were divided in to 4 zones each. (American, British, French and Soviet).
		15	Who succeeded Roosevelt in becoming America President?	Harry S Truman
		16	Why did Stalin blockade Berlin?	He felt threatened by USA, Britain and France joining their zones.
		17	What did Stalin hope to accomplish by blockading Berlin?	Stalin hoped the allies would give him complete control of Berlin.
		18	What did the blockade end?	The allies airlifted supplies into Berlin and Stalin did not want to start a war
	Berlin Wall	19	Which 3 countries had joined their zones in Germany?	USA, Great Britain and France
		20	Why was West Berlin more prosperous than the East?	America had invested lots of money in it.
		21	Why did USSR <b>SAY</b> it built the Berlin Wall?	To stop Western agents entering the East
		22	Why did USSR really build the Berlin Wall?	To stop Eastern citizens from leaving

Year 9 History:	Торіс	Que	stion	Answer
		14	How were Germany and Berlin controlled after World War II	
	Berlin Blockade and airlift	15	Who succeeded Roosevelt in becoming America President?	
Berlin Wall		16	Why did Stalin blockade Berlin?	
		17	What did Stalin hope to accomplish by blockading Berlin?	
		18	What did the blockade end?	
	Wall	19	Which 3 countries had joined their zones in Germany?	
		20	Why was West Berlin more prosperous than the East?	
	Berlin	21	Why did USSR <b>SAY</b> it built the Berlin Wall?	
		22	Why did USSR really build the Berlin Wall?	

Year	9 Hist	112.1	Your Piece of	
Торіс	Ques	stion	Answer CTT1ST	ory
	23	What is domino theory?	If one country was allowed to fall to communism, then communism of quickly spread to neighbouring countries	could
Ľ	24	Who supported North Korea's invasion of the South?	China and USSR	
rean Wa	25	Who joined the war to help South Korea?	United Nations (mostly USA)	
Ko	26	How did the Korean War end?	With Korea divided into tow countries.	
	27	What is the line that separates North and South Korea	38th Parallel	
	28	Why was USA threatened by the island of Cuba?	Cuba had turned Communist under Fidel Castro	
Crisis	29	Why did Cuba feel threatened by USA?	USA had unsuccessfully tried to overthrow the Communist regime wi Bay of Pigs fiasco.	ith the
issile	30	What started the Cuban Missile Crisis?	USA spy planes spotted nuclear missile sites in Cuba	
ùuban M	31	What made the Cuban Missile Crisis worse?	Soviet ships were spotted carrying nuclear missiles to Cuba.	
U	32	How did the crisis end?	USA placed a 'quarantine' around Cuba, whilst talking to USSR in priv	ate.

Year	9 Hist	119 Your Piece of		
Торіс	Ques	stion	Answer	mistory
	23	What is domino theory?		
2	24	Who supported North Korea's invasion of the South?		
irean Wa	25	Who joined the war to help South Korea?		
Ko	26	How did the Korean War end?		
	27	What is the line that separates North and South Korea		
	28	Why was USA threatened by the island of Cuba?		
Crisis	29	Why did Cuba feel threatened by USA?		
issile	30	What started the Cuban Missile Crisis?		
Cuban M	31	What made the Cuban Missile Crisis worse?		
U	32	How did the crisis end?		

Year 9 History: Topic		Question		Answer
all -		33	Who put the first man in space?	USSR
	sgn	34	What was the purpose of the Space Race?	Propaganda. Whoever got to the moon first would have bragging rights.
	on Landi	35	What is the name of the USA space programme	Apollo
	Moe	36	Who were the first men on the moon?	Neil Armstrong and Buzz Aldrin
		37	What is a conspiracy theory?	The belief that an event or situation is the result of a secret plan made by powerful people.
	Var	38	Why did USA become involved in the Vietnam War?	To prevent the spread of Communism. (Domino Theory)
		39	Which incident led to USA sending troops to Vietnam	An American warship patrolling the North Vietnamese coast was allegedly fired on by Communist troops. (The Gulf of Tonkin Incident).
	ietnam /	40	Who did the USA fight in Vietnam?	The Viet Cong (Communist guerrillas)
	>	41	Who type of tactics did Viet Cong use?	Guerrilla tactics - ambush, traps, tunnels, snipers, hit and run.
		42	Why was the Vietnam war unpopular back in the USA	Many saw negative reports on TV, which led to anti war movements and protests.

Year 9 History:	Торіс	Question		Answer
Mr -		33	Who put the first man in space?	
	sgn	34	What was the purpose of the Space Race?	
	on Landi	35	What is the name of the USA space programme	
	Moc	36	Who were the first men on the moon?	
		37	What is a conspiracy theory?	
		38	Why did USA become involved in the Vietnam War?	
	Vietnam War	39	Which incident led to USA sending troops to Vietnam	
		40	Who did the USA fight in Vietnam?	
		41	Who type of tactics did Viet Cong use?	
		42	Why was the Vietnam war unpopular back in the USA	

Year 9 History:					
Торіс	Ques	tion	Answer		
Cold War sports	43	How was sport used by USA and USSR	Propaganda. Victory in sports was thought to show which country was best, without going to war.		
	44	How was USSR able to dominate the Olympic games?	USSR invested heavily to ensure success. Stadiums and swimming pools doubled between 1960-80.		
	45	Which other Communist country achieved sporting success in the 1970s and 80s?	East Germany		
	46	Which sports are famous for Cold war rivalries?	Chess, Ice Hockey, Table Tennis.		
	47	Which famous 1980s movie demonstrates Cold war rivalries in sport?	Rocky IV		
End of the Cold War	48	Who was appointed USSR's youngest ever leader in 1985?	Mikhail Gorbachev		
	49	What problems did USSR face in the 1980s?	Low standard of living, no freedom of speech, high cost of war and defence, environmental and health problems.		
	50	What was Glasnost?	Free speech, more openness and free elections in Russia.		
	51	Why is Gorbachev seen as a hero in the USA?	He is seen as ending the Cold War		
	52	Why was Gorbachev seen as a failure in Russia?	Rising prices, falling wages, unemployment, crime and black markets appeared. The USSR also fell apart		

Year 9 History:					
Торіс	Ques	stion	Answer		
orts	43	How was sport used by USA and USSR			
	44	How was USSR able to dominate the Olympic games?			
l War spo	45	Which other Communist country achieved sporting success in the 1970s and 80s?			
Cold	46	Which sports are famous for Cold war rivalries?			
	47	Which famous 1980s movie demonstrates Cold war rivalries in sport?			
	48	Who was appointed USSR's youngest ever leader in 1985?			
ld War	49	What problems did USSR face in the 1980s?			
he Co	50	What was Glasnost?			
End of tl	51	Why is Gorbachev seen as a hero in the USA?			
_	52	Why was Gorbachev seen as a failure in Russia?			
# Life Chances





## Year 9 Life Chances: CEIAG (careers)

**Technology** is one of the biggest **influences** on the changing opportunities in the world of work.

- Artificial intelligence (AI) is the development of machines that can mimic human behaviours such as learning, reasoning and self-correction.
- Robots can help humans do physical tasks. Not all robots are physical robots. Robotic process automation (RPA) is software that can be configured to do specific tasks that humans do on computers.
- Automation are tasks done by machines instead of humans to increase efficiency and reduce mistakes.

800,000 jobs have been lost but nearly **3.5 million new ones have** been created due to technology.

Technology has boosted employment in knowledge-intensive sectors such as **medicine**, accounting and professional services.

## Your Journey Through Education.

#### **Career or Job?**

#### What is a job?

Your job is the role you have at your place of work. Firefighter, airline pilot, teacher, politician – these are all jobs. In a nutshell, a job is about the here and now.

A job can be something you do just to earn money. But it can also be part of something much bigger. This is called a "career".

#### What is a career?

A career is about more than just earning a wage. It is to do with your long-term **aims** and **ambitions**, and what you want to achieve in your life. In a career, each job you have helps you achieve this goal. **This is called your career path.** 

C

					/
Institution	Age	Year Group	Qualification	Level	Status
Primary School	4-11 years	Reception – Year 6	SATs (In year 6)	N/A	Compulsory
Secondary School	11-16 years	Year 7 – Year 11	GCSEs (taken in year 11)	Level 2	Compulsory
Further Education (College/Sixth Form)	16+	Year 12 – Year 13	A Levels / T Levels / BTECs / Apprenticeships	Level 3	Compulsory
Higher Education (University/College)	18+	Undergraduate	Degree / Foundation degree / Degree apprenticeships	Level 4 - 6	Optional

Year 9 Life Chances: CEIAG (careers)				Career or Job?			
Technology is one oppor	of the biggest <b>infl</b> tunities in the wo	uences on the changir rld of work.	ıg	What is a job?			
Artificial intelligence	e (AI) is						
Robots can							
					What is a caree	r?	
Automation are							
800,000	) jobs have been lo	ost but nearly due to techno	ology.				
Technology has boosted employment in knowledge-intensive sectors such as, and			ectors				A.S
Your Jour	ney Throu	gh Education.	••				
Institution	Age	Year Group		Qualification		Level	Status
	4-11 years	Reception – Year 6				N/A	
	11-16 years	Year 7 – Year 11				Level 2	
	16+	Year 12 – Year 13				Level 3	
	18+	Undergraduate				Level 4 - 6	





Year 9 Life Chances: Wellbeing	Drug	Effect 1	Effect 2	
Understanding the laws surrounding drugs.	Depressants	Initial feeling of pleasure or confidence before risk of	Lowers cognitive abilities,	
<b>Possession</b> means that an individual is caught with a controlled drug for personal use. The person	solvents)	losing consciousness at higher doses.	blackouts.	
does not have to be using it, just to have it in their possession.	Stimulants (E.g. MDMA or	Increased energy, pleasure, dilated pupils and increased	People can experience a clenched jaw and/or racing heart which increases the risk of a heart attack. Anxiety and panic, impaired decision making.	
<b>Possession with intent to supply</b> means that a person is planning to give controlled drugs to	cocaine)	confidence.		
someone else. This includes selling, sharing or giving for free.	Hallucinogens (E.g. Magic	Altered perception or hallucinations.		
Supply means that a person distributes or gives	mushrooms or LSD)			
giving for a reward of some form, sharing or giving for free.	<b>Dissociatives</b> (E.g. Ketamine or nitrous oxide)	Disconnected from body, floaty or feeling numb.	Unable to move or protect self. Unpleasant feeling of being detached from own body.	
	<b>Opioids</b> (E.g. Heroin)	Pleasure, a sense of wellbeing and pain-relief.	Sleepiness and loss of consciousness. Risk of injury whilst feeling less pain.	
	<b>Steroids</b> (E.g. Anabolic steroids)	Over repeated doses, increased muscle mass and quicker recovery from exercise.	Linked to paranoia and aggressive behaviours.	
	Cannabinoids (E.g. Cannabis)	Feeling 'chilled out' or giggly.	Linked to paranoia and mood swings, also increased loss of memory.	

Year 9 Life Chances: Wellbeing	Drug	Effect 1	Effect 2
Understanding the laws surrounding drugs.	Depressants		
Possession means	solvents)		
	<b>Stimulants</b> (E.g. MDMA or cocaine)		
Possession with intent to supply means	Hallucinogens (E.g. Magic mushrooms or LSD)		
Supply means			
	Dissociatives (E.g. Ketamine or nitrous oxide)		
	<b>Opioids</b> (E.g. Heroin)		
	<b>Steroids</b> (E.g. Anabolic steroids)		
	<b>Cannabinoids</b> (E.g. Cannabis)		

# Maths





Year 9 Maths:				Key Facts			
Key	Vocabulary				Simplifying Ratio is to	12:20	
1	Line of Symmetry	<ul> <li>A line where one half of the image is the mirror of the other.</li> </ul>		9	reduce ratio to its simplest form by dividing by common	3:5	
2	Rotational	<ul> <li>The number of time the shape fits on top of itself in a</li> </ul>	e.g. a square has rotational		factors	Divide by 4 as it is the HCF of 12 and 20.	
	Symmetry	360° rotation	symmetry order 4		Fraction of a Ratio is	The ratio of blue sweets to green sweets is 4:5.	
3	Reflection	• An image or shape as it would be seen in a mirror		10	the proportion of the ratio of the total amount.	Therefore $\frac{4}{9}$ of the sweets are blue and $\frac{5}{9}$ of the sweets	
	Patio	A relationship between two	The ratio of yellow counters to red counters in 2:3			are green.	
4	καιιο	or more numbers.				green sweets is 3:2.	
5	Parts	• The individual numbers that make up a ratio	The ratio 5:9 is made up of 5 parts and 9 parts. The ratio 5:9 has 14 parts in total.	11	Percentage of a Ratio is the proportion of the ratio of the total amount.	Therefore $\frac{3}{5} = \frac{60}{100} = 60\%$ of the sweets are blue and	
6	Unit Ratio	• The general form of a unit ratio is 1:n or n:1.	The ratio 5:20 be written as the unit ratio 1:4.			$\frac{2}{5} = \frac{40}{100} = 40\% \text{ of the}$ sweets are green.	
7	Proportion	<ul> <li>A relationship between two numbers/quantities</li> </ul>	If in a recipe for 4 people, 100g of flour is needed, then 200g would be needed for 8 people.	12	Sharing into a Ratio is a method of sharing an amount into a given ratio	Share £30 into the ratio 3:2         £30         56       56       56         £18       £12	
8	Ratio when given one quantity	<ul> <li>A method of finding the missing quantity when given a ratio and 1 quantity</li> </ul>	Some sweets are shared between Bill and Ben in the ratio 3:2. Bill gets 30 sweets, so Ben gets 20 sweets.	7			

Year 9 Maths:		Key Facts		
Key Voo	cabulary		How do you simplify a ratio?	
1	What is a Line of symmetry?	9		
2	What is <b>rotational</b> symmetry?		How do you write a fraction of a ratio?	
3	What is the name for a shape that is flipped as if it is seen in a mirror?	10		
4	What is the definition of a <b>ratio?</b>		How do you write a percentage of a ratio?	
5	What does the word <b>parts</b> mean?	11		
6	What are the two general forms of an <b>unit ratio?</b>		What does sharing into a ratio mean?	
7	What is the definition of the word <b>proportion?</b>	12		
8	Some sweets are shared between Bill and Ben in the ratio 3:5. Bill gets 24 sweets, how many sweet does Ben have?			

**Key Vocabulary** 



#### 4x + 5yContains numbers, variables and operations ٠ 13 **Algebraic Expression** 2a Does nor have an equals sign ٠ $v^2 - 5v$ A symbol, or letter representing an unknown number e.g. ٠ 14 Variable x is the variable in 3x = 18 $x, y, b, a^2$ 15 Coefficient The number in front of the variable The coefficient of x in 3x is 3. ٠ ab A number, variable or combination of both 5x 9 16 Term ٠ 3, 6, 9, 12, 15, ... 17 Sequence A set of numbers that follow a rule 2, 5, 8, 11, 14, ... ٠ 4, 8, 16, 32, 64, ... For the sequence 1, 3, 5, 7, ... 18 Term (in a sequence) An individual number in the sequence ٠ 3 is the second term Also called a linear sequence. Has the same difference between each term 19 **Arithmetic Sequence** ٠ Example: 3, 5, 7, 9, 11, ... ٠ Where you must multiply or divide by the same number to 20 **Geometric Sequence** Example: 1, 3, 9, 27, 81, ... get the next term 21 Term to Term Rule How to get from one number in a sequence to the next Example: Add 4 ٠ Generate the first 3 terms of 3n + 4: Using the sequence rule to work out terms in the $3 \times (1) + 4 = 7$ ٠ 22 Generate $3 \times (2) + 4 = 10$ sequence. $3 \times (3) + 4 = 13$

/ear 9 N	Aaths:
(ey Vocabu	lary
13	What is an <b>algebraic expression?</b>
14	What is a <b>variable?</b>
15	What is a <b>coefficient?</b>
16	Write down some examples of mathematical <b>terms</b> .
17	What is a <b>sequence?</b>
18	What is a <b>term in a sequence?</b>
19	How do you know <b>if a sequence is arithmetic?</b>
20	How do you know if a <b>sequence is geometric?</b>
21	What does the <b>term to term rule</b> do <b>?</b>
22	When you are asked to generate the first 5 numbers in a sequence, what does that mean?

rear 7 Mains.			1164 5×12 345				
Key	Facts			410.	100 +269 100		
23 Index law of Multiplication		$x^a \times x^b = x^{a+b}$					
					Starting with 0 and 1, add the previous two		
	24 Index law of Division	$x^a \div x^b = x^{a-b}$ Subtract the powers	27	Fibonacci Sequence	0, 1, 1, 2, 3, 5, 8, 13, 21, 34,		
24			28		A linear graph is a straight line.		
25	Index Law for Powers of	$(x^a)^b = x^{a \times b}$ Subtract the powers		Linear Graphs			
	Powers				A U shape (or an upside down U). e.g. $x = x^2 + 2x = 1$		
26	Nth term A rule that allows you to find any term in the sequence.	Remember the "n" in nth term means position in the sequence. The first term in the sequence means n = 1, second term means n = 2.	29	<b>Quadratic Graphs</b> A quadratic equation is $x^2$	$y = x^{-} + 2x - 1$		

		1164 5×12 345				
Key	Facts					
23	Write down the Index Law of Multiplication.					
			What is the <b>Fibonacci Sequence?</b>			
24	Write down the Index Law of Division.	27				
24		20	What shape is a <b>Linear graph?</b>			
25	Write down the Index Law for Powers of Powers.	20				
			What shape is a Quadratic graph?			
26	What is <b>the nth term of a</b> sequence?	29				

## Modern Foreign Languages



Year 9 Frenc	h: Recap					
To have	e (Verb)	To live	(Verb)	To be (Verb)		
Avoir	To have	Habiter	To live	Être	To be	
J'ai	I have	J'habite	I live	Je suis	l am	
Tu as	You have	Tu habites	You live	Tu es	You are	
ll a	He has	Il habite	He lives	ll est	He is	
Elle a	She has	Elle habite	She lives	Elle est	She is	
On a	One has (We have)	On habite	One lives (We live)	On est	One is (We are)	
Nous avons	We have	Nous habitons		Nous sommes	We are	
Vous avez	You have (formal/plural)			Vous êtes	You are (formal/plural)	
lls ont	They have (Masculine/mixed)		NCE	lls sont	They are (Masculine/mixed)	
Elles ont	They have (feminine)			Elles sont	They are (feminine)	

Year 9 Frenc	h: Recap						
To have (Ve	erb) Complete below:	To live (Ve	To live (Verb) Complete below:		To be (Verb) Complete below:		
	To have		To live		To be		
	I have		l live		l am		
	You have		You live		You are		
	He has		He lives		He is		
	She has		She lives		She is		
	One has (We have)		One lives (We live)		One is (We are)		
	We have				We are		
	You have (formal/plural)				You are (formal/plural)		
	They have (Masculine/mixed)				They are (Masculine/mixed)		
	They have (feminine)				They are (feminine)		

## Year 9 French:

#### **Grammar Explanation**

#### **Immediate Future Tense**

To use the immediate future tense, take the appropriate form of the verb aller (to go) and add the infinitive verb.

#### For example:

Je vais + manger = je vais manger = I am going to eat. Nous allons + voyager = nous allons voyager = we are going to travel.

Below are some high frequency infinitives for you to practise with:

Aller = to go

Jouer = to play

*Regarder =* to watch

Visiter = to visit

Faire = to do

Manger = to eat

Avoir = to have

*Être =* to be

Prendre = to take



#### **Grammar Explanation**

#### Perfect (past) Tense

When forming the perfect tense, you take the correct form of **avoir** and add the past participle. For most **-er** verbs, you form the past participle by taking the ER off the infinitive verb and adding an é. For example, **manger = mangé**. You then use the appropriate form of **avoir**, such as **j'ai mangé = I** have eaten, **iI a mangé =** he has eaten

Voyager (to travel) = voyagé (travelled)

Manger (to eat) = mangé (eaten)

Loger (to stay - somewhere you have paid for) = logé

Forming the past participle is different for -re verbs and -ir verbs but we will learn these at a later stage.

Some verbs have irregular stems, such as:

Faire (to do) = fait (did). For example, j'ai fait = I did

However, some verbs use **être** instead of **avoir** when forming the perfect tense. One of these verbs is **aller**. For **aller**, you form the stem by taking the **er** off and adding **é**. You then use **être** to form the past tense, for example, **je suis allé** (masculine) or **je suis allée** (feminine).

The verb rester (to stay) also takes être.

## Year 9 French:

#### **Grammar Explanation**

How do we use the Immediate Future Tense? For example:

Je vais + manger = \_\_\_\_\_

= I am going to eat.

Nous allons + voyager = \_\_\_\_\_ = we are going to travel.

Below are some high frequency infinitives for you to practise with:

- \_\_\_\_\_ = to go
- \_\_\_\_\_ = to play
- \_\_\_\_\_ = to watch
- \_\_\_\_\_ = to visit
- \_\_\_\_\_ = to do

#### • \_\_\_\_\_ = to eat

- \_\_\_\_\_ = to have
- \_\_\_\_\_ = to be

• \_\_\_\_\_ = to take



#### **Grammar Explanation**

How do we form the Perfect (past) Tense?

Voyager (to travel) = \_\_\_\_\_ (travelled)

Manger (to eat) = \_\_\_\_\_ (eaten)

Loger (to stay - somewhere you have paid for) = \_\_\_\_\_

Forming the past participle is different for -re verbs and -ir verbs but we will learn these at a later stage.

Some verbs have irregular stems, such as:

Faire (to do) = \_\_\_\_\_ (did). For example, \_\_\_\_\_ = I did

However, some verbs use **être** instead of **avoir** when forming the perfect tense. One of these verbs is..

Year 9 Spanish:		Grammar Explanation						
Tener (1 Tengo Tienes	<b>To have)</b> I have You have	There is a thr I	ee-step method that n order to conjugate • •	will make conjugating regular Spanish verbs very easy for you. verbs that end with <b>-ar</b> in the preterite tense you: <sup>-</sup> ind the infinitive (full verb) Cut off the <b>-ar</b>				
Tiene Tenemos	He/She/It has We have			Add the new end English subject	ding (é, aste, ó, amos, as Spanish subject pronoun	steis, aron) ar ending	Viajar (to travel)	
Tenéis	You (plural) have				yo tú él/ella nosotros/nosotras	é aste ó amos	viaj <b>é</b> viaj <b>aste</b> viaj <b>ó</b> viaj <b>amos</b>	
Tienen Ser (1	They have <b>To be)</b>	Ir (To go) Present tense		he/she we				
Soy	lam	Fui	l went	you (plural)	vosotros/vosotras	Asteis	viaj <b>asteis</b>	
Eres	You are	Fuiste	You went	they	enos/enas	aron	viajaron	
Es	He/She/It is	Fue	He/She/It wet			An -		
Somos	We are	Fuimos	We went	e				
Sois	You (plural) are	Fuisteis	You (plural) went		C PAL			
Son	They are	Fueron	They went		SPAI			

Year 9 Spanish:		Grammar Explanation							
Tener (To have)		There is a three-step method that will make conjugating regular Spanish verbs very easy for you.							
	I have		•	Find the infinitive (full verb)					
	You have		•	Cut off the -ar Add the new end	off the - <mark>ar</mark> the new ending ( <mark>é, aste, ó, amos, asteis, aron</mark> )				
	He/She/It has			English	Spanish subject				
	We have		Sta /	subject pronoun	pronoun Complete below:	ar ending	Viajar (to travel)		
	You (plural) have			1	-	-	-		
	They have		>	you	-	-	-		
Ser (To be)		Ir (To go) Present tense		we	-	-	-		
	l am		l went	you (plural)	-	-	-		
	You are		You went	they	-	-	-		
	He/She/It is		He/She/It wet			Alex			
	We are	We went							
	You (plural) are		You (plural) went	and the second					
	They are		They went		SPAI	N			

## Year 9 Spanish:

#### How to form the immediate future tense:

## To say what you are going to do, you can use the near immediate future tense.

This is formed by using the correct part of the verb ir (to go), plus the infinitive of another verb.

Voy a ir al cine I am going to go to the cinema

#### **Grammar Explanation**

There is a three-step method that will make conjugating regular Spanish verbs very easy for you.

#### For ER and IR verbs you:

- Find the infinitive (full verb)
- Cut off the -er or -ir
- Add the new ending (í, iste, ió, imos, isteis, ieron)

Va a jugar al fútbol He is going to play football			English subject pronoun	Spanish subject pronoun	ar ending	Comer (to eat)	
Ir (to go)	Preposition	Infinitive	1	уо	í	comí	
			you	tú	iste	comiste	
Voy (I am going) Vas (you are going) Va (he/she is going) Vamos a (we are going) Van a (we are going)	a	Jugar - to play Ver - to see Hacer - to do Montar - to ride Ser - to be Tener - to have	he/she we you (plural) they	él/ella nosotros/nosotras vosotros/vosotras ellos/ellas	ió imos isteis ieron	comió comimos comisteis comieron	

Year 9 Spanish	1:					<b>潇</b> •	<b>**</b> *	
How do we form t	he immediate	e future tense?	Grammar Explanation					
			There is a three	e-step method that will make very easy for For ER and IR ver -	conjugating reg you. bs you:	ular Spanish ve	rbs	
He is going to play football			English subject pronoun	Spanish subject pronoun	ar ending	Comer (to eat)		
Ir (to go)	Preposition	Infinitive	1	-	-	-		
(I am going) (you are going) (he/she is going) (we are going) (we are going)	а	to play to see to do to ride to be to have	you he/she we you (plural) they	- - - -	- - -	- - - -		

# Music









PE





Year 9 PE: Basketball			Rules, Strategies and Tactics			
Motor Competence			Кеу	The area shaped like a keyhole at both ends of the court which included the free throw line.		
Passing	Chest pass, bounce pass, shoulder pass		-point Line	If you shoot from outside the 3 point line, it is worth 3 points instead of 2		
Receiving	Catching with two hands, catching whilst moving.		Contact	No contact is to be made with the player touching the ball. If it does a side line is taking to the team the foul was against.		
Dribbling	Fingertips, head up, bounce the ball in front of body		3 Second Violation	then dribbling again The attackers can't stay in the key for more than 3 seconds.		
Possession	Keeping the ball away from opponents, using body to protect the ball. Dribble if there's space, pass if a teammate is in space	В	8 Second Violation Back Court	Players have 8 seconds to get the ball over the halfway line. If they don't they lose possession of the ball. Once over the halfway line the attackers can not pass the		
Defending	Rebounding, Zonal defence (marking the space rather than the player)		Violation He	ball back over the halfway line otherwise they lose possession of the ball. ealthy Participation		
Shooting	Composure, accuracy and	Muscles Deltoids		, biceps, triceps, hamstrings, quadriceps		
	placement. Lay up - use outside arm, use fingers to create backspin, aim for the postage stamp	Fitness components	Hand-eye	coordination, speed, agility, reaction time		

E.

Z



## Year 9 PE: Handball

			Rules, Strategies and Tactics			
Motor Competence			Contact	Contact can only be made when front-on. Any contact from the side or behind is a foul		
Passing	Use fingertips for control, weight on front foot with dominant hand and foot at the back. See it out.	ſ	Free Throw	A free throw is given for infringement on the rules, defenders must stand 3 metres away from		
Receiving	Get in line, make space away from defender, arms out and see it in.	Pe	enalty Throw	fiven if a foul occurs when shooting or if a defender enters their own area		
Dribbling	Use your fingertips, knees slightly bent, keep your head up. Try to use alternate hands as an advanced technique	Ca	orner Throw Passing	Given if the ball goes behind the goal off the defender (not including the goalkeeper		
Possession	Dribble if you have space, pass if a teammate is in a better position. PIVOT to look for options		Double Dribbling	You cannot dribble with both hands, you cannot move more than 3 steps with the ball in your hand. You must pass or shoot if you stop dribbling.		
Defending	Jump block and shutting down the space, communicating with teammates		He	You cannot hold the ball for more than 3 seconds.		
	Raising the arm and moving the shoulder back, bending the	Muscles	Deltoids, k	piceps, triceps, hamstrings, quadriceps		
Shooting	power. Jump shot - same motion but jumping to add power	Fitness component	s Hand-eye coordination, speed, agility, reaction time			

107


#### Year 9 PE: Leadership

Year 9 PE: L	.eadership		Rules, Strategies and Tactics							
Moto	r Competence	$\overline{\mathbf{Q}}$	Appropr use o	riate of	We should consider what equipment we need and only use what is necessary. Equipment should be					
Understanding what a sports leader is	Someone in charge of a team, they are creative, reliable, punctual, confident and have good communication skills		equipm Plannin	ent Ig a	used without the risk of damaging when creating activities with them. Consider the equipment available, considers the space needed and how many participants there					
Roles of a Sports Leader	Role model, motivator, planner, Instructor, Mentor, Advisor, Councillor, Demonstrator, Organiser.		Delivery of a		are. Link the activity to the purpose of it. Conside timings Be confident, organised, punctual, keep it structured and motivate participants.					
Responsibilities of a Sports Leader	Knowledge of activity, enthusiasm for activity, knowledge of safety, knowledge of child protection issues,		Orientee	ering	Use map appropriately, don't move or damage any of the equipment. Try to complete the course as quickly as possible					
Designing a	Consider a warm up, main activity and game. Consider what				Healthy Participation					
lesson plan	space will be used, what equipment will be used and the safety precautions involved.	Warm Up	i	Involves a pulse raiser, dynamic stretches and a skill-based activity. Prepares participants physically and mentally. Helps to prevent injury.						
Orienteering	Using a map and a compass to navigate between checkpoints.	Muscles used orienteering	<b>d when</b> Hamstrir		ngs, quadriceps, gastrocnemius					
	Leaders should find the best route to take	Cool Down		Light jog into a walk followed by static stretches. This prevents lactic acid building up in the muscles						



## Religious Education



Helping every person achieve things they never thought they could.



#### Year 9 RE: Christianity

Christianity	The religion followed by Christians
Bible	The holy book of Christianity
Old Testament	The first part of the Bible
New Testament	The second part of the Bible
Creed	A statement of belief
Denominations	Groups or branches within the religion

#### Where do Christian teachings come from?

- The Bible The holy book of Christians is called the Bible. This is divided into two main parts – the Old Testament and the New Testament. The Old Testament includes the Creation Story and the Ten Commandments. The New Testament includes the 4 Gospels of Matthew, Mark, Luke and John, which are accounts of Jesus' life.
  - **The Church** mainly through their creeds.
- **3.** Theologians and philosophers who have studied difficult questions about religion.
- 4. Individual Christians.
- 5. Different Christian denominations. The two main branches of Christianity are Roman Catholics and Protestants.







2.

Year 9 RE: Christianity	Where do Christian teachings come from?						
Christianity	1						
Bible	2						
Old Testament	3						
New Testament							
Creed	<b>4.</b> -						
Denominations	5						







# Science



Helping every person achieve things they never thought they could.



Year 9 S	cience: Ce	ll division	and tro	ansport	$\cap$		– Cel	1	Semi permeabl	e Controls the movement
	Cytoplasm	Site of chemical reactions in the	Gel like su enzyme	bstance containing es to catalyse the	B		memb	rane	reactions in the cell	of substances in and out of the cell
	Nucleus	cell Contains genetic material	Controls the and cod	e activities of the cell des for proteins	0		Bacte DN	rial A	Not in nucleus floats in the cytoplasm	Controls the function of the cell
	Cell membrane	Semi permeable	Controls substances i	the movement of in and out of the cell	0	Cell wa		vall	<b>NOT</b> made of cellulose	Sand strengthens the cell
	Ribosome	Site of protein synthesis	mRNA is tra a	anslated to an amino acid chain	0		<ul> <li>Plasmid</li> </ul>		Small rings of DNA	Contain additional genes
animal	Mitochondria	Site of respiration	Where end the co	ergy is released for ell to function	eleased for action		Cytopl	asm	Site of chemica reactions in the cell	<ul> <li>Gel like substance</li> <li>containing enzymes to</li> <li>catalyse the reactions</li> </ul>
cell	Euł	sms		-			Prokaryotes	simpler organisms		
plant cell	Permane	nt Contains	cell sap	Keeps cell turgid, cell sap contains sugars and				the second	Carry electrical signals	long branched connections and insulating sheath
	Cell wa	I Made of	cellulose	salts in solution Supports and strengthens the cell	Sp	erm	d C	)	Fertilise an egg	streamlined with a long tail acrosome containing enzymes large number of mitochondria
	Chloropla	ast Site photosy	of ( onthesis a	Contains chlorophyll, absorbs light energy	Muscle				Contract to allow movement	contains a large number of mitochondria long
and the second		Y JE	Root ha	air	Abso mine	orb wate erals fro	er and m soil	На	ir like projections	to increase the surface area
		-	Xylem		Car	ry wate minera	r and Is	TRAN	NSPIRATION - dead lignin. Flow	d cells cell walls toughened by vs in one direction
			Phloen	n	Carry glucose		cose	TRANSLOCATION - livi ose w Flows in		ing cells cells have end plates ith holes. both directions.



### Year 9 Science: Cell division and transport



Fe	eature	Light (optical) microscope	Eleo	ctron microscope								
Radia	ation used	Light rays	E	lectron beams								
lax m	agnification	~ 1500 times	~ :	2 000 000 times								
Res	solution	200nm	0.2nm									
ize of	microscope	Small and portable	Very la	rge and not portable								
C	Cell differentiation											
	N	licroscopy										
		Magnification N	agnification M= size of image									
		0	actual si	ze A								
		PREI	FIXES									
2	Prefix	Multip	le	Standard form								
	centi (cm)	1 cm = 0.0	01 m	x 10 <sup>-2</sup>								
	milli (mm)	1 mm = 0.0	001 m	x 10 <sup>-3</sup>								
	micro (µm)	1 μm = 0.000	0 001 m	x 10 <sup>-6</sup>								
	nano (nm)	1nm = 0.000 0	00 001 m	x 10 <sup>-9</sup>								







Year 9 Sci	ience: Cell divis	ion and transport					
<b>Diffusion</b> <u>No</u> energy required	Movement of particles in a solution or gas from a higher to a lower concentration	E.g. O <sub>2</sub> and CO <sub>2</sub> in gas exchange, urea in kidneys. Factors that affect the rate are concentration, temperature and surface area.	H Em ste	Human nbryonic em cells	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	
Osmosis	Movement of water	E.g. Plants absorb water from the soil by osmosis through their root					
<u>No</u> energy required	from a dilute solution to a more concentrated solution	hair cells. Plants use water for several vital processes including photosynthesis and transporting minerals.	Ad	lult bone	Can form some types	Tissue is matched to avoid rejection, risk	
Active transport <u>ENERGY</u> required	Movement of particles from a low concentration to a high concentration	E.g. movement of mineral ions into roots of plants and the movement of glucose into the small intestines.	m ste	narrow em cells	of human cells e.g. blood cells	of infection. Only a few types of cells can be formed.	
			Me (1	eristems plants)	Can differentiate into any plant cell type throughout the life of the pant.	Used to produce clones quickly and economically, e.g. rare species, crop plants with pest	

Two diploid

cells

Mitosis

DNA replication

> 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

/disease resisitance











Yea	9	Scienc	e	The Structure	of At	oms and G	roups	and Periods		Mixt	ures	Two or more compounds r	e elements or lot chemically	Са	an be separated by physical	
nts ds		Atom		The smallest pa an element that	rt of t can	Have a nanomet	radius res and	of around 0.1 have no char	ge			combined	d together		processes.	
mer				CAISt		Around 100 different elements						Method	Descriptior	ו	Example	
ns, ele comp	•  -	Element		Contains only o type of atom	one n	each one is represented by a symbol e.g. O, Na, Br.			9				Separating an		To get sand	
Aton and		Compound	d	Two or more elements chemically	е	Compoun into e	ds can o lement react	only be separa s by chemical tions.			Filtration	insoluble solid from a liquid		from a mixture of sand, salt and water.		
	Central nucleus					Contains protons and neutrons					c	rystallisation	To separate a solid from a solution		To obtain pure crystals of sodium chloride from salt water.	
		Ó		Electron shells		Contains electrons										
<sup>3</sup> *************** <b>@</b>	O					Electronic shell	Max e	number of lectrons	r I			Simple	To separate a solvent from a	4	To get pure water from salt	
Nam Part	e of icle	Relativ Charge	ve e	Relative Mass		1 2			onic ures		distillation	solution		water.		
Pro	ton	+1		1		2		8		ectro ructu			Separating a mixt	ture	To separate the	
Neu	tron	0		1		3		8		⊟ ts		Fractional	of liquids each with		different	
Elec	tron	-1		Very small		4		8					points	5	crude oil.	
Polati		octrical cha		s of substamic	nart	iclos										
Relati	Mass number		The	he sum of the protons and neutrons in the nucleus					Ch	romatography	Separating substances tha move by differe amounts (due t	nt ent co	To separate out the dyes in food colouring.			
	3	Atomic		Atomic	- pro	The number of Number of electrons =							solubility) through a medium		5	



Year 9	Science	The Structure of Atoms c	Ind Groups and Periods	The development of the model of the at					
(1803)		Suggested idea of ato	oms as small spheres that cannot be cut.	÷	A beam of alpha	Most of the alpha			
Thomson (1904)		Proposed <i>'plum pudding'</i> with negat	model – atoms are a ball of positive charge tive electrons embedded in it.	nerford's 1 experimen	a very thin gold foil	right through. A few (+) alpha particles were deflected by the			
Geiger and Marsden (1909)	Diagram below	Directed beam of alpha Found most travelled thr	particles (He <sup>2+</sup> ) at a thin sheet of gold foil. ough, some were deflected, some bounced back.	Rut) scattering		A tiny number of particles reflected back from the nucleus.			
(1911)		Used above evidence t electrostatic interaction Proposed mass and p electrons found outside t	o suggest alpha particles deflected due to n between the very small charged nucleus. ositive charge contained in nucleus while he nucleus which cancel the positive charge exactly.	Chemical equations	Show chemical reactions - need reactant(s) and product(s)	Law of conservation of mass states the total mass of products = the total mass of			
Bohr (1913)		Suggested modern model nucleus, electrons ca electromagnetic radia particles within the nucle	of atom – electrons in circular orbits around n change orbits by emitting or absorbing tion. His research led to the idea of some us having positive charge; these were named protons.	equations	Uses words to show reaction reactants → products e.g. magnosium + ovygon	Does not show what is happening to the atoms or			
Chadwick (1932)		Discovered neutrons in n	ucleus – enabling other scientists to account for mass of atom.	Word	→ magnesium → magnesium oxide	the number of atoms.			
Relative atomic mass	Isotopes	Atoms of the same element with the same number of protons and different numbers of neutrons	<pre><sup>35</sup>Cl (75%) and <sup>37</sup>Cl (25%) Relative abundance = (% isotope 1 x mass isotope 1) + (% isotope 2</pre>	Symbol equations	Uses symbols to show reaction reactants → products e.g. 2Mg + O <sub>2</sub> → 2MgO	Shows the number of atoms and molecules in the reaction, these need to be balanced.			



Ye	ar 9 Science: The Structure of Atoms and Groups and Periods											s ar	nd G	Grou	ıps					Elements in the same group			
1∡ H Li	Alkali metals Transition metals								Halogens 3 4 5 7 0 + He B C N O F Ne				Elements arranged in order of atomic number		Elements with similar properties are in columns called groups	have the same number of outer shell electrons and elements in the same period (row) have the same number of electron shells.							
Na	M	3	<b>_</b>	Al Si P S Cl Ar							Ar			h									
K	Ca	Sc	Ti		Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr			ery o Ins a			Early periodic tables were
Cs	Ba	r I la		Ta	W	Re	Ru Os	кп Ir	Pu Pt	Ag	Ня	TI	In Sn Sb Te I Xe					utro		Elements arranged	incomplete, some elements		
Fr	Ra		Ac         Rf         Db         Sg         Bh         Hs         Mt         ?         ?         ?									e dis s, ne elect		weight	groups if the strict order atomic								
								Development of the Periodic table			Befor proton			weights was followed.									
M	The Periodic table       Metals     To the left of the Periodic table							Form positive ions. Conductors, high melting and boiling points, ductile, malleable.					uctors, hig ts, ductile	h ,	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.					
Non	m	etals	To the right of the Periodic table						Form negative ions. Insulators, low melting and boiling points.						Very reactive with								
JS	Consist of molecules made of a pair of atoms						f	Have seven electrons in their outer shell. Form -1 ions.					heir oute s.	r	netals		oxygen, water and chlorine	outer shell. Form +1 ions.					
laloger	Melting and boiling points increase down the group (gas $\rightarrow$ liquid $\rightarrow$ solid)				)	Increasing atomic mass number.				Alkali		Reactivity increases	Negative outer electron is further away from the positive										
Reactivity decreases down the group				Increasing proton number means an electron is harder to gain.						down the group	further away from the positive nucleus so is more easily lost.												

Year 9 Science: The Structure of A	Atoms and Groups and Periods		
Alkali metals	Halogens     Noble gases       3     4     5     7     0       He     He       B     C     N     O     F     Ne	Elements arranged in order of atomic number	Elements with similar properties are in columns called groups
NaMgKCaScTiVCrMnFeCoNiCuZnRbSrYZrNbMoTcRuRhPdAgCdCsBaLaHfTaWReOsIrPtAuHgFrRaAcRfDbSgBhHsMt???	AI       Si       P       S       CI       Ar         Ga       Ge       As       Se       Br       Kr         In       Sn       Sb       Te       I       Xe         TI       Pb       Bi       Po       At       Rn         Development of the Periodic table	Before discovery of protons, neutrons and electrons	Elements arranged in order of atomic weight
The Periodic table       Metals     To the left of the Periodic table		Mendeleev	Left gaps for elements that hadn't been discovered yet
Non metals       To the right of the Periodic table         Consist of molecules made of a pair of		sle	Very reactive with oxygen, water and chlorine
atoms         Melting and boiling points increase down the group (gas → liquid → solid)         Reactivity decreases down the group		Alkali meta	Reactivity increases down the group

Year 9	Scie	nce:	The Struc	ture of Atoms an	d Groups o	and Periods	With oxygen	Forms a metal oxide	Metal + oxygen → metal oxide		e.g. 4Na + O <sub>2</sub> $\rightarrow$ 2Na <sub>2</sub> O
			Trans	ition metals (	Chemist	try only)					
							With water	Forms a metal hydroxide and hydrogen	metal + water → metal hydroxide + hydrogen		e.g. 2Na + 2H <sub>2</sub> O → 2NaOH + H <sub>2</sub>
	Very u not fo	nreact rm mo	tive, do olecules	This is due to full outer sh electror	having nells of ns.		With chlorine	Forms a metal chloride	Metal + chlorine → metal chloride		e.g. 2Na + Cl <sub>2</sub> → 2NaCl
Jases								Less reactive		•	Cu <sup>2+</sup> is blue
Noble g						Compared to group 1	• Hi	<ul> <li>Harder</li> <li>Denser</li> <li>gher melting poin</li> </ul>	<ul> <li>Ni<sup>2+</sup> is pale green, used manufacture of marge</li> <li>Ee<sup>2+</sup> is green used in the</li> </ul>		e green, used in the cture of margarine
	BOI increa	ling po ase dov	wn the	Increasing a numbe	Increasing atomic number.		• Mai possi	ny have different ibilities with diffe	tion pro		process
		group	)			properties	•	charges Used as catalysts		• Fe <sup>3+</sup> is	reddish-brown
							• Form	coloured compo	unds		
With metals Forms				etal halide	l e.g. S	Netal + haloger odium + chlorir	i → metal k ie → sodiui	nalide m chloride	e.g. NaCl metal atom loses outer shell electrons and halogen gains an outer shell electron		
With hydrogen Forms a hydrogen halide				Hydi e.g. Hyd	Hydrogen + halogen → hydrogen halide e.g. Hydrogen + bromine → hydrogen bromide				e.g. $Cl_2 + H_2 \rightarrow 2HCl$		
With aqueous solution of a halide salt		ore reacti place the alogen fro	ve halogen will less reactive om the salt	Chlorii	Chlorine + potassium bromide → potassium chloride + bromine				e.g. Cl <sub>2</sub> +2KBr →2KCl + Br <sub>2</sub>		

Year 9	Scie	nce:	The Struc	ture of Atoms an	d Groups a	Ind Periods	With oxygen	Forms a metal oxide			e.g. 4Na + $O_2 \rightarrow$ 2Na <sub>2</sub> O
			Trans	ition metals (	Chemist	ry only)	With water	Forms a metal hydroxide and hydrogen			e.g. 2Na + 2H <sub>2</sub> O $\rightarrow$ 2NaOH + H <sub>2</sub>
Ŋ	Very u not foi	nreact rm mo	tive, do olecules				With chlorine	Forms a metal chloride			e.g. 2Na + Cl <sub>2</sub> → 2NaCl
gases										• (	Cu <sup>2+</sup> is blue
Noble g	Boi increa	ling po ise do group	oints wn the o			Compared to group 1 Typical properties				<ul> <li>Ni<sup>2+</sup> is pale green, used in the manufacture of margarine</li> <li>Fe<sup>2+</sup> is green, used in the Haber process</li> <li>Fe<sup>3+</sup> is reddish-brown</li> </ul>	
										• Mn	<sup>2+</sup> is pale pink
With metals									meta ar	e.g. 1 l atom loses ou nd halogen gain elect	NaCl ter shell electrons s an outer shell tron
With hydrogen									e.g. $Cl_2 + H_2 \rightarrow 2HCl$		
With aqueous solution of a halide salt										e.g. Cl <sub>2</sub> +2KBr	→2KCl + Br <sub>2</sub>