Ofsted Good Provider 2022

# Be Kind.

Work Hard.

Name:

Year 9

Spring 2024

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

Helping every person achieve things they never thought they could.

**Need To Know Book** 



**Responsibility.** 

Take

## My Aspirational Sentence. Little Lever School be kind | work hard | take responsibility

# What does the top of my mountain look like?

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Science



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Helping every person achieve things they never thought they could.





# **Knowledge Retrieval Sheet**

#### What are knowledge retrieval sheets?

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.



Work Hard.

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?









#### The Formal Elements of Art

			THE AND		AN	CONT MAR
	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	e 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 lin more about a su	bject. They	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 sh more like a t dimensional o showing light, s texture		three- bject by shade and	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.	Jason ScarpaceJason Scarpace was born in 1972 in New York and is best known for his abstract fish art.Scarpace's fish paintings are created in			
	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	acrylic, oil, watercolour, pastel and a variety of other media on canvas, board and paper.			
		complex arrangements.		Widely regarded as colourful, completely original, and whimsical, the works of Jason		
5	Form	Form is a three-dimensional shape, such as a cube, sphere or cone. Sculpture and 3D design are about creating forms.	Scarpace represent in his own words, "a personal journey through the use of basic art elements: line, shape and colour."		9	

10m

Year 9 Art: The Formal Elements		STA		
The Formal Elements of Art		V CA2		
What do you know about <b>line?</b>				
		What are contour lines?	What are descript lines?	ive 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 ir	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 colourful, completely original, and whimsical, the works of Jason		
What do you know about <b>form</b> ?		Scarpace represent in his c		10



#### **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.

#### **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.



#### 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.





#### **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\_\_\_\_\_



#### Georgia O'Keeffe

The American artist Georgia O'Keeffe is best known for her close-up, or large-scale flower paintings, which she painted from the mid-1920s through the 1950s. O'Keeffe experimented with depicting flowers in her high school art class. Her teacher explained how important it was to examine the flower before drawing it. So, O'Keeffe held it in different ways, capturing different perspectives of the flowers, and also created studies of only a portion of the flower. During this process she also drew the flower simpler with each iteration. This process is also known as abstraction.



#### Watercolour Techniques

#### Wet on wet

Applying fresh paint on to a wet surface or on to paint that is still wet. Dampen your paper with water before adding paint.



#### Dry brush

Painting with a dry brush. Make sure your paint is not too wet and dab the excess on a paper towel for the best effect.



#### Flat wash

One of the simplest techniques. Simply paint a large, even patch of one colour to create a base.



#### Gradated

Start by loading the brush with lots of colour. Each time use a little less colour so that the colour fades and creates a smooth gradient.



#### Hard/soft edge

A hard edge is an edge with a distinct line separating it from the background. A soft edge is one that blends out gradually.



## Georgia O'Keeffe



#### Watercolour Techniques















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

## 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

#### 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 Catering		What is food preservation?
What is convection?	What is conduction?	
		What are convenience foods?
		Conduction
What is radiation?	What are microwaves?	Radiation
		Heat Transfer 20

# Computing

Helping every person achieve things they never thought they could.



## Year 9 Computing: Cybersecurity

Keyword	Definition	Context/Key Term
Viruses	Malicious software that replicates.	Can cause many problems for the user e.g. slowing their computer down.
Worm	Self-replicating malware spreading across networks.	Spreads without user intervention
Trojan	Malware disguised as legitimate software.	Tricks users into installation
Spyware	Software that secretly monitors user activities.	Personal information can be stolen.
Ransomware	Malware encrypting user's files, demanding payment.	Financial loss for the user.
Adware	Unwanted software displaying advertisements.	Can be annoying or malicious.
Internet Bots	Automated programs performing tasks on the internet.	Can be used for good or malicious.
Malware	Malicious software including viruses, worms, etc.	Poses a threat to computer systems.



## Cybersecurity Tools and practices

Keyword	Definition
Network Security	Measures to protect computer networks, including firewalls and anti-malware software.
Firewalls	Security barriers monitoring and controlling network traffic to prevent unauthorised access.
Anti-malware Software	Software designed to detect and remove malware, essential for computer protection.
User Identification	Verifying and validating user identity, essential for secure access. Such as usernames and passwords.
Software Updates	Regular updates fixing vulnerabilities and improving functionality, crucial security measure.
Secure Passwords	Strong, unique passwords enhancing security and protecting accounts.
САРТСНА	Challenges to verify users are human and not bots, preventing automated attacks. Such as choosing images showing cars.
Biometrics	Authentication based on unique physical traits, enhancing security. Such as fingerprints and retina (eye) scans.
2FA (Two-Factor Authentication)	Authentication using two different methods, adding an extra layer of security.
User Permissions	Controlling access rights for users, limiting potential damage. Such as students not having as much access as teachers to parts of the school network.
Hacking	Unauthorised access to computer systems, illegal and unethical.
Computer Misuse Act	Legislation against unauthorised access and misuse of computer systems, legal consequences for hacking.

## Year 9 Computing: Cybersecurity

Keyword	Definition	Context/Key Term
Viruses		
Worm		
Trojan		
		Personal information can be stolen.
Ransomware		
Adware		
		Can be used for good or malicious.
	Malicious software including viruses, worms, etc.	



## Cybersecurity Tools and practices

Keyword	Definition
Network Security	
Firewalls	
Anti-malware Software	
User Identification	
Software Updates	
Secure Passwords	
САРТСНА	
Biometrics	
2FA (Two-Factor Authentication)	
User Permissions	
Hacking	
Computer Misuse Act	

## Year 9 Computing: Video Keywords and Definitions

Term	Description	Example
Aspect Ratio	Relationship between the width and height of a screen or image, often expressed as a fraction or with a colon. IMAX cinemas use a unique aspect ratio like "1.43:1" for a more immersive experience.	"16:9" or "4:3"
Bit Rate	Measure of how much data is transferred in a given time, usually in kilobits per second (kbps).	Higher bit rates generally mean better quality for videos, music, and gaming.
Frame Rate	Rate at which the shutter of the video camera opens and closes in a 1-second period.	Industry standard was 24 fps; with digital technology, 60 fps has become common.
Resolution	Refers to the number of pixels on a screen, not the shape (aspect ratio).	"1920x1080" resolution fits a "16:9" aspect ratio.



## Year 9 Computing: Video Keywords and Definitions

Term	Description	Example
Aspect Ratio		
Bit Rate		
Frame Rate		
Resolution		



#### What is Python?

Python is a *high-level*, general-purpose programming language; this means that it is written in a way that looks a lot like English so can be read by lots of people, and it is a great choice for solving lots of different problems. Python is often used for web development, data science, and machine learning. It can also be used for desktop GUIs, game development, and more.

#### **Getting started with Python**

We use an IDE to write our code in Python, there are lots of different types available, the main ones you will use are **Thonny** and **Replit.** Thonny is

installed on the computers, Replit is online.

## Here are some of the basics of Python:

Concept	Description
Print and Escape Sequences	Displaying text on the screen.
Data Types	Used to store and organise data.
Variables	Used to store data.
Operators	Used to perform operations on data.
Statements	Used to control the flow of execution.
Loops	Allow us to repeat tasks until a condition is met.
Functions	Used to group together related code.

Concept	Description	Example	Output
Print Function	Used to print text to the screen. Takes a list of arguments and prints each on a separate line.	print("Hello, world!")	Hello, world!

#### **Escape Sequences**

Special characters controlling text formatting in the print function. Example: print("Hello,\nworld!") Output: Hello World

Escape Sequence	Meaning
\n	Newline
\t	Tab
\r	Carriage Return
1	Single Quote
п	Double Quote
\	Backslash
\b	Backspace

### What is Python?

Python is a *high*-\_\_\_\_\_, general-purpose programming language; this means that it is written in a way that looks a lot like \_\_\_\_\_\_ so can be \_\_\_\_\_ by lots of people, and it is a g\_\_\_\_\_ choice for solving lots of different problems. Python is often used for web development, data science, and \_\_\_\_\_\_ learning. It can also be used for desktop \_\_\_\_\_, game development, and more.

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Operators	
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Loops	
Functions	

Concept	Description	Example	Output
	1		

#### **Escape Sequences**

Special characters controlling text formatting in the print function. Example: print("Hello,\nworld!") Output:

Escape Sequence	Meaning
	Newline
\t	
\r	
1	
	Double Quote
	Backslash
\b	28

## Year 9 Computing: Data Types and Variables

## Data types

Data Type	Description	Example	Advantages and disadvantages
Integers	Whole numbers, such as 1, 2, 3, etc.	5	Efficient for whole numbers, cannot store decimal points.
Floats	Numbers with decimal points, e.g., 3.14, 2.718	3.14	More flexible than integers but take up more memory.
Strings	Text, such as "Hello, world!"	"Hello, world!"	Useful for text but can be difficult to work with if very long.
Booleans	True or false values	True	Simple to use but cannot store much information.
Lists	Ordered collections of data	[1, 2, 3]	Useful for ordered collections but may be slow if very large.
Dictionari es	Unordered collections of data	{"name": "John", "age": 30}	Useful for unordered collections but can be complex to work with.

#### Data Type Considerations:

When choosing a data type, consider the type of data and usage. For instance:

- •Use a list for storing a list of numbers.
- •Use a dictionary for storing a name and age.

## **Variables**

Concept	Description	Example
Variable	Place in memory to store a value. Can store numbers, strings, lists, and other data types.	<b>my_number =</b> 5
Assignment	To create a variable, use the equals sign (=).	my_number = 5
Usage	Variables can be used in code; for example, to print the value to the screen.	print( <b>my_numbe</b> r)
Print Function	Used in programming to display results or messages on the screen.	<b>print</b> (my_numbe r)

Here is an example of how we put that all together to create a Python program that uses a variable:

# This program prints the number 5 to the screen.
my\_number = 5
print(my number)

This program would *print* the following to the screen:

5

## Year 9 Computing: Data Types and Variables

## Data types

Data Type	Description	Example	Advantages and disadvantages
Integers			
Floats			
Strings			
Booleans			
Lists			
Dictionari es			

#### Data Type Considerations:

When choosing a data type, consider the type of data and usage. For instance:

## **Variables**

Concept	Description	Example
Variable		
Assignment		
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Print Function		

Here is an example of how we put that all together to create a Python program that uses a variable:

# This program prints the number 5 to the screen.
my\_number = 5
print(my number)

This program would *print* the following to the screen:

## Year 9 Computing: Operators and Statements

#### **Operators**

Operators are used to perform *mathematical* and *logical operations* on *values* in Python. There are many different types of operators in Python, but we will focus mainly on **arithmetic operators, comparison operators,** and **logical operators**.

Category	Operators	Example
Arithmetic Operators	Addition (+) Subtraction (-) Multiplication (*) Division (/)	5 + 5 = 10 10 - 5 = 5 2 * 2 = 4 5 / 2 = 2.5
Comparison Operators	Greater Than (>) Less Than (<) Equal To (==) Not Equal To (!=)	5 > 3 5 < 7 5 == 5 5 != 6
Logical Operators	And (and) Or (or) Not (not)	5 and 5 5 or 6 not 5

## **Statements**

Statements are instructions that tell the computer what to do. They are the building blocks of Python programs. There are many different types of statements in Python, but some of the most common are:

Category	Description	Example	
Assignment Statements	Assign values to variables.	Example: x = 5 assigns the value 5 to the variable x.	
Expression Statements	Evaluate expressions and return a value.	Example: 5 + 5 evaluates the expression 5 + 5 and returns the value 10.	
Control Flow Statements	Control the flow of execution in a program.	Example: if $x > 5$ : will only be executed if the value of x is greater than 5.	
Function Statements	Define functions, which are reusable blocks of code. Functions can be called from anywhere in a program.	def my_function():	
<pre>program that i described abo x = 15 y = 10 if x &lt; y: print(x, "is i else:</pre>	mple of a simple Python uses some of the statements ve: less than ", y)	In this code, the if statement checks <i>if</i> x is less than y. Since x is <i>greater than</i> y, the code inside the <i>else</i> block is executed, which prints the following message to the screen- <b>10</b> is less than <b>15</b>	
		31	

## Year 9 Computing: Operators and Statements

## **Operators**

Operators are used to	mathematical and logical	
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Category	Operators	Example
Arithmetic Operators		
Comparison Operators		
Logical Operators		

## **Statements**

Statements are instructions that tell the computer what to do. They are the \_\_\_\_\_\_ blocks of Python programs. There are many different types of statements in Python, but some of the most \_\_\_\_\_\_ are:

Category	Description	Example
Assignment Statements	Assign values to variables.	
Expression Statements		
Function Statements		

Here is an example of a simple Python program that uses some of the statements described above:

x = 15

y = **10** 

if x < y:
 print(x, "is less than ", y)</pre>

else:

print(y, "is less than ", x)

In this code, the if statement checks *if* x is less than y. Since x is *greater than* y, the code inside the *else* block is executed, which prints the following message to the screen-

32

## Year 9 Computing: Loops

A loop is a *programming construct* that allows you to repeat a block of code a specified number of times. In Python, there are three types of loops: **for loops**, **while loops**, and **nested loops**.

*For loops* are used to **iterate** over a sequence of items, such as a list or a range of numbers. The *syntax* for a for loop is as follows:

```
for <variable> in <sequence>:
     <block of code>
```

The variable <variable> will be assigned each item in the sequence <sequence>, one at a time. The block of code will be executed for each item in the sequence.

For example, the following code will print the numbers from 1 to 10:

```
for i in range(1, 11):
    print(i)
```

While loops are used to repeat a block of code as long as a condition is true. The syntax for a while loop is as follows:

```
while <condition>:
<block of code>
```

The block of code will be executed as long as the condition is true.

For example, the following code will print the numbers from 1 to 10, but it will only print the numbers that are divisible by 2:

```
i = 1
while i <= 10:
    if i % 2 == 0:
        print(i)
    i += 1</pre>
```

2 4 6

8

The above code will print the following to the screen:

Nested loops are loops that are inside of other loops.

```
matrix = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]
```

for row in matrix: for element in row: print(element)

The above code will print the numbers from 1 to 9, each number on a new line. Loops are a really powerful tool that can be used to repeat code multiple times. They are often used along with other *programming constructs*, such as *conditional statements*, to create complex programs.

## Year 9 Computing: Loops

```
while i \le 10:
                                                                              if i % 2 == 0:
                                                                                   print(i)
                                                                              i += 1
For loops are used to iterate over a sequence of items, such as a list or a
range of numbers. The syntax for a for loop is as follows:
for <variable> in <sequence>:
     <block of code>
                                                                           Nested loops are loops that are inside of other loops.
For example, the following code will print the numbers from 1 to 10:
                                                                           matrix = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]
for i in range(1, 11):
     print(i)
                                                                          for row in matrix:
                                                                              for element in row:
while <condition>:
                                                                                  print(element)
    <block of code>
```

i = 1

For example, the following code will print the numbers from 1 to 10, but it will only print the numbers that are divisible by 2:

## **Year 9 Computing: Functions**

A function is a block of code that you can reuse over and over again. It takes in some *input*, does something with it, and then gives you an *output*. For example, you could have a function that takes in two numbers and adds them together. You could then use that function any time you need to add two numbers together.

Functions are a great way to *organise* your code and make it reusable. They can also help you to avoid repeating yourself. For example, if you have a lot of code that needs to be executed every time you open a file, you can put that code into a function and then call the function every time you open a file.

To create a function in Python, you use the def keyword. The following code creates a function called *add\_numbers():* 

```
def add_numbers(x, y):
    return x + y
```

To call a function, you use the function name followed by parentheses. For example, the following code calls the add numbers() function and prints the result:

print(add\_numbers(2, 3))

The code above would print the following to the screen:

5

Here are some examples of how you could use functions in Python:

You could create a function that takes in a list of numbers and prints the sum of the numbers.
You could create a function that takes in a string and prints the number of characters in the string.
You could create a function that takes in two numbers and prints the larger number.

Functions are a powerful tool that can help you to write more organised and reusable code.

## Year 9 Computing: Functions

A \_\_\_\_\_\_ is a block of \_\_\_\_\_ that you can reuse over and over again. It takes in some \_\_\_\_\_, does something with it, and then gives you an *output*. For example, you could have a \_\_\_\_\_that takes in two numbers and adds them \_\_\_\_\_\_. You could then use that function any time you need to add \_\_\_\_\_ numbers together.

To create a function in Python, you use the def keyword. The following code creates a function called *add\_numbers():* 

```
def add_numbers(x, y):
    return x + y
```

The code above would print the following to the screen:

Here are some examples of how you could use functions in Python:

print(add\_numbers(2, 3))
# Design and Technology





# Year 9 Design and Technology

**Colours** 

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

**Complementary Colours** 

#### **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 plastic and recycle where possible?
Explain what isometric drawing is:	
Draw your initials in isometric projection:	
	Identify the tools for shaping and finishing acrylic
	1. Saw
Explain the difference between a not countersunk and a counter sunk screw below. Draw a sketch if it helps.	File 2.
	Sand 3.
	Polish 4.
	42

Drama





# Year 9 Drama:

Abstract Theatre	Abstract theatre is centred around the concept of representing situations and emotions, as opposed to acting them out in a realistic way.
Physical Theatre	A style of theatre where the actor uses their <b>body</b> as the primary tool for performance.
Spontaneous Improvisation	Improvising a scene where there has been no previous discussion or planning before acting.
Prepared Improvisation	Improvising a scene where there has been some discussion and planning before acting.
Cross-cutting	Freezing the action on one side of the stage in one location, whilst we see a snippet from another location on the other side. Cross-cutting between both scenes.
Split scene	Two scenes happening at once on stage. (Good for miming so we don't have talking over each other).
Multi-Rolling	Multi-rolling is when an <b>actor plays more than one character</b> onstage. The differences in character are marked by changing voice, movement, gesture and body language but the audience can clearly see that the same actor has taken on more than one role.
Split Role	This is where <b>more than one actor plays the same character</b> . For instance, the actor playing the main character might rotate from scene to scene. This keeps that character representational and inhibits emotional involvement and attachment on the part of the audience.
Mime	A form of drama that uses gestures, actions and facial expressions to tell the story without words.
Direct Address	Speaking directly to the audience, this breaks the fourth wall and destroys any illusion of reality.
Thought Tracking	A thought-track is when a character steps out of a scene to address the audience about how they're feeling.
Placards	Signs were held up to tell the audience the title of the scene and even what was going to happen in them, this was to take away suspense and emotion and allow the audience to think about the scene instead.
Representational Costume	The actors would simply put on one item of clothing, or an accessory such as a hat or glasses to represent that they were a particular character –they didn't try to 'become' the character.

# **Bertolt Brecht 1898 – 1956**

Brecht was born in Augsburg, Germany. He served as a medical orderly in World War 1 and he was appalled by what he saw during the war. The turmoil at the time of the war gave Brecht a very strong political voice which carried into his work.

Bertolt Brecht is one of the most important figures in Drama history. His methods and techniques are still used today across the world. His most acclaimed piece was *Mother Courage and Her Children*.

#### • Epic Theatre

- Brecht focused on the idea of <u>objectivity</u> (being fact based and not focused on personal beliefs or feelings) in theatre. Using this, he developed a concept of theatre that's called Epic theatre.
- Brecht used techniques that remind the audience that the play is a representation of reality and not reality itself. Brecht thought that openly showing how the play was constructed, this would communicate that the audience's reality was equally 'constructed', and as such, was changeable.





# Year 9 Drama:

Abstract Theatre	Bertolt Bre
Physical Theatre	
Spontaneous Improvisation	Brecht was bo orderly in Wor the war. The _
Prepared Improvisation	strong politica
Cross-cutting	Bertolt Brecht history. His
Split scene	world. His mo
Multi-Rolling	• Epic The
Split Role	<ul> <li>Brecht foc and not fo Using this, called</li> </ul>
	<ul><li>called</li><li>Brecht use</li></ul>
Mime	is a repres thought th this would
Direct Address	(
Thought Tracking	( Terr
Placards	CO
Representational Costume	

#### echt 1898 – 1956

orn in , Germany. He served as a medical rld War 1 and he was appalled by what he saw during at the time of the war gave Brecht a very which \_\_\_\_\_ into his work.

is one of the most important in Drama and techniques are still used today across the st acclaimed was *Mother Courage and Her* 

#### atre

- used on the \_\_\_\_\_ of \_\_\_\_\_\_(being fact based cused on personal beliefs or feelings) in theatre. he developed a of that's theatre.
- ed techniques that remind the audience that the play sentation of and not reality itself. nat openly showing how the \_\_\_\_\_ was constructed, communicate that the audience's reality was equally \_\_\_\_', and as such, was changeable.





# English





Quotations are words and phrases from the text, that you put into your work to prove your ideas are accurate. Quotations should be embedded (blended) into your explanations.

You can **blend patterns of quotations** into your explanations to show similar or opposing ideas.

A poem's structure can symbolise deeper ideas in the say way language can. You can manipulate the structure of a poem

#### <u>Stanza</u>

Reading

<u>í</u>

Knowled

Section of a poem. The length of a stanza can represent a deeper meaning.

#### **Enjambment**

A sentence continues over one (or more) lines. Symbolising something being everlasting, continuous or out of control.

#### Caesura

Punctuation is used in the middle of a line to create a pause.

ideas include



# **Comparing Poetry**

Writing

<u>J</u>O

Know

Answer the question

# E) Evidence

Embed a quote, or pattern of quotes that juxtapose or reinforce each other

# Analyse

Explain the inferences behind the quote in detail using as/so/ because/which

# ) Zoom

Ζ

Explain the connotations of a powerful word or technique has and the effect of this

# Effect

Explain what the writer's intention is/ what they are trying to teach the reader

# Link to Context

Explain how these ideas link to the real world



# Compare to second poem in detail

Explain similar or different meanings, messages and methods

Romanticism and The Romantic Poets





-Revolution and rejection of absolute power

-The world of children



All people speak with an accent or dialect. Accent - The way we sound and pronounce words, influenced by the area/region you live in.

**Dialect** - The words, phrases and grammar we use, influenced by the area/region you live in.

**Standard English** - Thought to be 'correct' English. It is the dialect of English we are expected to write in.

Text Formats	Features you would find in this text			
Letter	Date and sender's address	Dear Yours sincerely 	Direct address	
Article	Headlines	Facts and information	Hyperbole	
Leaflet	Heading and subheadings	Bullet points	Advice and information	
Speech	Direct address	Anecdotes	Hyperbole	
Travel Writing	Headline	Description of places	Exaggerated opinions	

	What are quotations? What does it mean to embed	P Point Comparing Poetry		What is	an accent?	
80	quotations?	Evidence		What is	a dialect?	
Readin	Why should you use patterns of quotations?	Analyse	Writt	What is	Standard English?	
	What can the structure of a poem be					
<b>J</b> OJ	used for?	Z Zoom		Text Formats	Features you would find in th	nis text
	What is a stanza?		T	Letter		
		E Effect				
	What is enjambment?			Article		
Knowl	What can it symbolise?	L Link to Context	Kno	Leaflet		
	What is caesura?			Speech		
		C Compare to second poem in detail		Travel Writing		
	Romanticism and The Romant           What is Romanticism?           What ideas are included?	<u>ic Poets</u>			50	

Va	ocabulary	Definition			F	xample		
1. Pro		Showing t	hat you disagree or disapp				trated their views in the	
2. All	egory	A text wit	h a moral meaning or mess	age		The poem is an allego importance of a pers		
3. So	cial Criticism	A texts th	at points out what is wrong	g with society		The poem acts as a s	ocial criticism.	
4. Pr	ovoke	To intenti	onally make a person react	or behave in a certain wa	ay	The text is designed t reader.	to provoke anger in the	
5. Exj	ploitation	Where a p desperate	person takes advantage over someone who is te			over someone who is Blake exposes the exploitation that resulted from The Industrial Revolution		
6. Pe	rspective	The point	of view comments are mad	de from		The writer's perspective is biased		
7. Pat	triarchal	Describes	Describes a society that is controlled by men			The poem criticises the patriarchal society		
8. int	ention	The reaso	n someone does somethin	g	The writer's intention was to question the country's leadership		n was to question the	
9. Pro	omote	To encour	age or raise awareness of s	something		The poem promotes	tolerance	
10. D	iscrimination	-	he rights of people based o e, race, gender, disability et	•	ng	The poem alludes to women in the 1800s	the discrimination of	
Grammar	The 'thing' a is about. It	11. <b>Jbject</b> ng' a sentence it. It can be a or pronoun. 12. <u>Verb</u> An action or being word. A sentence must have a verb to be a complete sentence.		Agreement The number in the W subject impacts the choice of verb that (for follows		14. <u>Conjunctions</u> ords that connect two clauses r, and, nor, but, or, yet, so) e poet feels annoyed by the ttitudes <u>and</u> enthusiastic about change	15. <u>Compound</u> <u>sentence</u> Two main clauses joined by a connective. These are used to provide information quickly. The poem questions the government's policy yet they don't offer a solution	



# Year 9 English: Protest poetry and Transactional Writing

						Punctuat
Vo	ocabulary	Definitio	n		Example	
1. Pro	otest					T
2. Alle	egory					16. Colon
3. Soc	cial Criticism					
4. Pro	ovoke					The poet draws on his c
5. Exp	oloitation					experience: he was a sold
6. Per	spective					
7. Pat	riarchal					
8. inte	ention					
9. Pro	mote					The poets feeling of anger, frustration
10. Di	scrimination					resentmen
Jar	11. <mark>Subje</mark>	12. <u>Verb</u>	13. <u>Subject-Verb</u> <u>Agreement</u>	14. <u>Conjunctions</u>	15. <u>Compound</u> <u>sentence</u>	18.; Semi Co
amn		 				The poem contains viol- imagery; it is designed to
ŋ	<u>The poem</u> is wri persor	The poet <b>writes</b> about fear.	They are She is I am	The poet feels annoyed by the attitudes <u>and</u> enthusiastic about change	The poem questions the government's policy yet they don't offer a solution	the reader

# Geography



# ar 9 Geography: Natural Hazards

	Key	v Vocabulary	Pla	ate Margins:		Р	late Tectonics Theory:	
1	What is a volcano?	A vent at the surface of the earth, through which magma and other volcanic		Describe the plate movement at the following plate	• Conservative: plates move past each other	13	Name the four layers of the earth	Inner o mantle
Ţ		materials are ejected		margins:	<ul> <li>Destructive: plates move towards each other</li> </ul>	14	What are the pieces of crust called?	Crust tecton
2	Define 'Immediate responses'	The reaction of people as the disaster happens and in the immediate aftermath	12	<ul> <li>Conservative</li> <li>Destructive:</li> <li>Constructive:</li> </ul>	and one is subducted • Constructive:	15	Where do convection currents happen?	Conve magm

3	Define 'Long- term responses'	Later reactions that occur in the weeks, months and years after the event
4	Define 'Monitoring'	Recording physical changes to help forecast when and where a natural hazard might strike
5	Define 'Planning'	Actions taken to respond to, and recover from, natural disasters
6	Define 'Prediction'	Attempts to forecast when and where a natural hazard will strike
7	What is a 'Primary effects'?	The initial impact of a natural event on people and property
8	Define 'Protection'	Actions taken before a hazard strikes to reduce its impact
9	What is a 'Secondary effect'?	The after-effects that occur as indirect impacts of a natural event
1	What is 'Subduction'?	A process occurring at destructive plate margins where a heavier

oceanic plate is forced under a

A natural hazard caused by

movement of tectonic plates

continental plate

0

1

1

What is a

**'Tectonic** 

hazard'?

wing plate past eac gins: • Destru	ch other uctive:	earth What are the pieces of crust	mantle and crust Crust pieces are called
nservative towards structive: and nstructive: one is su • Const	each other ubducted 15 ructive:	called? Where do convection currents happen?	tectonic plates Convection currents caus magma to move in circular movements
plates m away fro other	om each	What do convection currents cause?	Convection currents caus tectonic plates to move
o case study: Tonga		Types of volcanoes	

#### Volcano case study: Tonga





r core, outer core,

#### Management of Tectonic Hazards:

19	How do people plan for tectonic hazards?	Hazard maps showing areas at risk
20	How do people predict tectonic hazards?	Measuring sulfur from volcano Seismometers measure vibrations
21	How can buildings be protected from tectonic hazards?	Earth embankments divert lava Earthquake resistant buildings

#### Living with risk:

-			
	22	What kind of energy can be generated by volcanoes?	Geothermal energy to power homes and industry
	23	What might attract tourists to risky areas?	Dramatic scenery attracts tourists
	34	How is volcanic ash useful?	Lava and ash deposits provide valuable nut

Cal	r 9 Geograph	ny: Natural Hazards							
	Key	v Vocabulary	Pla	ate Margins:		I	Plate Te	ectonics Theory:	
1	What is a volcano?	-		Describe the plate movement at the following plate margins:		13	earth		
				Conservative		14	called	are the pieces of crust I?	
2	Define 'Immediate responses'		12	Destructive:     Constructive:		15	Wher happ	e do convection currents en?	
3	Define 'Long- term responses'					16	What cause	do convection currents ?	
			Va	leana eaca studuu Tanga			Туре	s of volcanoes	
4	Define 'Monitoring'		VO	Icano case study: Tonga				Describe the characteristics of shi volcanoes	
				Tonga				Lava flows	Lava flows Cinders
5	Define 'Planning'							Shield volcano	Composite volcano
6	Define 'Prediction'		17				18	Shield Volcano	Composite Volcano
7	What is a 'Primary effects'?								
8	Define 'Protection'								
	rotection		N/1-	anagement of Tectonic Hazards:			Liv	ing with risk:	
9	What is a 'Secondary effect'?		19	How do people plan for tectonic hazards?			22	What kind of energy can generated by volcanoes?	
				How do people predict			1		
1 0	What is 'Subduction'?		20	tectonic hazards?			23	What might attract touris to risky areas?	sts
	What is a		21	How can buildings be protected from tectonic				How is volcanic ash usefu	l?
1 1	'Tectonic hazard'?			hazards?			34		56

# Year 9 Geography: Geopolitics

	Key Vo	cabulary
1	What is Development?	The progress of a country as it becomes more economically and technologically advanced
2	What is 'International trade'?	Trade between different countries
3	What is 'Migration'?	Migration is the movement from one place to another
4	What are natural resources?	Materials from the Earth that are used to support life and meet people's needs
5	Define 'rural environments'	Rural environments refer to the countryside
6	Define 'urban environments'	Urban environments refer to towns and cities
7	What are push factors?	Something that pushes you away from a place or country
8	What are pull factors?	Something which pulls you towards a place or country
9	What do we mean by 'border control'?	Actions taken by a country or a group of countries to monitor the borders and regulate the cross- border movements of people, goods and animals
10	What are refugees?	People who must leave their home area for their own safety or survival
11	What do we mean by 'geopolitics'?	Politics that are influenced by geographical factors.

#### Prisoners of geography:

		The Russ	ian conflict:	
Why is     •       geopolitical     •       power     •       uneven?     •       •     •       •     •	Advanced countries have the wealth and strong state apparatus to control international trade and migration. Organisations such the EU have greater power. Emerging and developing countries are becoming increasingly powerful. Low income developing countries have less money, access and control and so have little power. TNCs (transnational cooperation) are increasingly important.	13	Name one geographical reason for the conflict between Russia and Ukraine	One specific geographical reason that may have played a role in Russia's invasion of Ukraine is the Crimean Peninsula. Crimea is a strategically important region as it provides Russia with a warm-water port in the Black Sea and access to important oil and gas pipelines that run through Ukraine.

#### **Build that wall:**

12

Name 3 push factors and 3 pull factors causing Syrians' to migrate to Europe		
<ul> <li>Push Factors</li> <li>Civil war</li> <li>Unemployment due to civil war</li> <li>Lack of food due to civil war</li> </ul>	Pull Factors         Safe and secure shelter         A reliable source of food         Availability of public services such as education and healthcare	

#### **Russia:**

15

14

Russia is probably richer in natural What resources than any other country natural in the world. It has abundant resources supplies of oil, natural gas, timber does Russia and valuable minerals, such as copper, diamonds, lead, zinc, have? bauxite, nickel, tin, mercury, gold located in Siberia and the Far East. The value of Russia's resources is huge.

#### **Global superpowers:**

**~** • • •

16	What is a geographical superpower?	A superpower is a state with a dominant position characterized by its extensive ability to exert influence or project <b>power</b> on a global <b>scale</b> . This is done through the <b>combined</b> means of economic, military, technological and cultural strength as well as political and soft power influence.
17	When was the word 'superpower' first used?	The word superpower was first used after the second world war to refer to the USA, the British Empire and the USSR.

# Year 9 Geography: Geopolitics

	Key Vocabulary		
	кеу vo	cabulary	
1	What is Development?		
2	What is 'International trade'?		
3	What is 'Migration'?		
4	What are natural resources?		
5	Define 'rural environments'		
6	Define 'urban environments'		
7	What are push factors?		
8	What are pull factors?		
9	What do we mean by 'border control'?		
10	What are refugees?		
11	What do we mean by 'geopolitics'?		

Pris	risoners of geography: The Russian conflict:				
12	Why is geopolitical power uneven?		13	Name one geographical reason for the conflict between Russia and Ukraine	

#### Build that wall:

resources does Russia have?

15

	Name 3 push factors and 3 pull factors causing Syrians' to migrate to Europe			
	<u>Push Fa</u>	<u>ctors</u>	Pull Factors	
14				
				l
Rus	sia:			
	What			

# **Global superpowers:**

16	What is a geographical superpower?	
17	When was the word 'superpower' first used?	







# Year 9 History: The fall of the British Empire

Britain had the largest Empire in the world. At its peak it covered ¼ of the world.



The Empire counties played a large role in supporting Britain during both World Wars.

The emergence of the British

**Commonwealth**. This is an international association consisting of the UK together with states that were previously part of the British Empire, and dependencies. The commonwealth covers 2.5 billion of the worlds population.



Ле	
Question	Answer
What does Empire mean?	an extensive group of states or countries ruled over by a single monarch, an oligarchy, or a sovereign state:
What does nationalism mean?	identification with one's own nation and support for its interests, especially to the exclusion or detriment of the interests of other nations
How did WW2 bring an end to the British empire?	The country was struggling financially
How did Empire countries feel after helping Britain in WW2?	That their loyalty should be rewarded.
Give two problems Britain faced after WW2?	Economic problems and debt
Who led Indian Independence?	Mahatma Ghandi
When did food rationing end in Britain?	1954

The map shows counties that had been part of the British Empire and the years in which they became Independent



# Year 9 History: The fall of the British Empire

had the largest \_\_\_\_\_ in the world. At its peak it covered \_\_\_\_ of the world.



The Empire counties played a large role in supporting \_\_\_\_\_ during both World

The emergence of the British Commonwealth. This is an \_\_\_\_\_\_association consisting of the UK together with states that were previously part of the \_\_\_\_\_Empire, and dependencies. The commonwealth covers \_\_\_\_ billion of the \_\_\_\_\_ population.

 Image: Addition
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:mŗ	Dire	
	Question	Answer
	What does Empire mean?	
	What does nationalism mean?	
	How did WW2 bring an end to the British empire?	
	How did Empire countries feel after helping Britain in WW2?	
	Give two problems Britain faced after WW2?	
	Who led Indian Independence?	
f	When did food rationing end in Britain?	

The \_\_\_\_ shows counties that had been part of the \_\_\_\_\_ Empire and the \_\_\_\_\_ in which they became

BBC



# Year 9 History: British society

# What was British society like in the 1900s?

### The effects of poverty:

• In 1900, slums and overcrowding were still problems in Britain. The poor worked long hours and were paid low wages. Many people couldn't afford to see a doctor or provide three decent meals for their children

• Two reports showed how bad the problem of poverty was. These were by Charles Booth and Seebohm Rowntree – social reformers.

people in York could not afford

basic food and housing.

Key word	Definition
Slums	Incredibly poor housing, overcrowding, poor living conditions etc.
Social reformers	Someone who believes something needs to change in society to make things better.
Reform	To change something that isn't working for the better.

Booth's report:	Question	Answer
1889 – Life and Labour of the People in London. Showed 30% were living in	What did Booth, Rowntree and the Boer war show?	There was a link between poverty and ill health.
severe poverty. It was sometimes impossible for people	What measure was passed in 1906?	Free School Meals were introduced paid for by council taxes.
to find work. Showed that wages were so low that a family could	What measure was passed in 1907?	Local Education Authorities started giving children free medical inspections.
not be supported.	What measure was passed in 1908?	Old Age Pensions. For people aged 70 and over. First ever welfare scheme to be paid by national taxes.
Rowntree's report: Had a factory in York. Didn't believe the problem in York was	What measure was passed in 1909?	Labour exchanges were introduced to help unemployed people find work.
as bad as London so did a survey	What measure was passed in 1911?	National Insurance Act was passed.
to see. 1901 – Poverty, a study of Town Life showed that 28% of	Define the National Insurance Act	health insurance for workers. Worker, employer and

# workers could use for sick pay or to pay for a doctor 63

the government all contributed to a central fund that

# Year 9 History: British society

# What was British society like in the 1900s?

#### The effects of poverty:

- In \_\_\_\_, \_\_\_\_ and overcrowding were still problems in \_\_\_\_\_. The poor worked long hours and were paid \_\_\_\_ wages. Many people couldn't \_\_\_\_\_ to see a doctor or provide three decent meals for their \_\_\_\_\_.
- \_\_\_\_ reports showed how bad the problem of \_\_\_\_\_ was. These
- were by Charles \_\_\_\_\_ and Seebohm Rowntree \_\_\_\_\_ reformers.

# Booth's report:

18 – Life and Labour of the
People in London.
Showed% were living in
severe It was
sometimes impossible for people
to find Showed that wages
were so low that a family could
not be

# Rowntree's report: Had a factory in \_\_\_\_. Didn't believe the problem in York was as bad as \_\_\_\_\_ so did a survey to see. \_\_\_\_ – Poverty, a study of Town Life showed that \_\_% of people in York could not afford basic \_\_\_\_ and housing.

Key word	Definition
Slums	
Social reformers	
Reform	

Question	Answer
What did Booth, Rowntree and the Boer war show?	
What measure was passed in 1906?	
What measure was passed in 1907?	
What measure was passed in 1908?	
What measure was passed in 1909?	
What measure was passed in 1911?	
Define the National Insurance Act	

# Year 9 History:

#### Want:

Extreme poverty was the result for many families who could not afford the necessities of everyday life. This was the outcome of ill health and unemployment which meant the household income was very little.

Sir William Beveridge, who was a senior Civil Servant. He published his findings in 1942, the Beverage report identified 5 Giant Evils in the country that needed to be addressed!

#### **Ignorance:**

The school leaving age in the 1900s was just 14. Many young people were unemployed, and the majority could not afford to pay for higher education.

# Disease:

Diseases were becoming widespread and there was little help available through hospitals as they were all private and had cost implications.

### Squalor:

TACKLING THE FIRST GIANT

Most of the population were living in slums and house prices exceeded the income of many families.

# Idleness:

Unemployment levels had become very high due to the little and poor education many people received and the very few jobs available after the war.



# Year 9 History: The road to the Welfare State

WW1 brought to the forefront how bad conditions were in British society. Issues with housing, slum areas, lack of job opportunities and the education system needed improving.

The wartime government were focused on the war effort, whereas the Labour Party were focused on building upon Beveridge's recommendations



There was a shock landslide election result in July 1945, when wartime prime **minister Winston Churchill lost to Labour's Clement Attlee**, who campaigned for the creation of the Welfare State.

Question	Answer
After WW1, what did David Lloyd George promised?	Homes fit for hero's- but many people could not afford these houses and continued to live in poor conditions.
What did the evacuation process of WW2 highlight?	The difference in rich and poor communities/families.
What impact did WW2 have on housing?	The Blitz destroyed many housing areas and drew attention to the poor conditions people had been living in.
Between 1945-51 how many houses did the Labour government build?	800,000
What was the 1945 New Towns Act?	Building of towns near cities.
What did the 1961 – Homes for Today and Tomorrow report set out?	Gave specific standards of housing, including adequate heating, flushing toilet, and enough space inside and outside.
Who was the Labour minister for Health?	Aneurin Bevan 67

# Year 9 History: The road to the Welfare State

brought to the forefront how \_\_\_\_ conditions were in British \_\_\_\_\_\_. Issues with housing, \_\_\_\_\_ areas, lack of \_\_\_\_ opportunities and the education system needed improving.

The \_\_\_\_\_ government were focused on the \_\_\_\_ effort, whereas the Labour \_\_\_\_\_ were focused on building upon Beveridge's recommendations



There was a landslide election result in, when wartime prime Winston Churchill lost to Labour's Clement Attlee, who campaigned for the creation of the State.		
Question	Answer	
After WW1, what did David Lloyd George promised?		
What did the evacuation process of WW2 highlight?		
What impact did WW2 have on housing?		
Between 1945-51 how many houses did the Labour government build?		
What was the 1945 New Towns Act?		
What did the 1961 – Homes for Today and Tomorrow report set out?		
Who was the Labour minister for Health?	68	

Yea	ar 9 History:	NHS	Hospitals, managed by regional hospital
	Question	Answer	boards
	What does NHS stand for?	National Health Service	
	When was the NHS set up?	1948	
	In 1947, doctors gave out 7 million prescriptions, how many did they give out in 1951?	19 million	Organisation of NHS
	Who was prime minster when the NHS opened?	Clement Attlee (Labour party)	
	What was the budget of the NHS when it opened in 1948?	£437 million	General Additional Practitioners services, (GPs) and dentists, such as the
	When did the conservatives come back into power?	1951	otherwise known as primary care and health visitors
	Why did the Conservatives not get rid of the NHS?	It was too popular	Figure 4.4 The three parts of the NHS in 1948.
	Between what years did the number of NHS doctors double?	1948 and 1973	The creation of the NHS led to a massive
	In 1948 how did life expectancy for a woman and man increase from 1948?	Women has raised from 66 to 83 and for men 64 to 79	recruitment campaign for doctors and nurses to help staff it. Many people came from different counties to work
	How is the NHS paid for?	Through taxes	in the NHS. 69

Year 9 History:	NHS	Hospitals, managed by
Question	Answer	regional hospital boards
What does NHS stand for?		
When was the NHS set up?		
In 1947, doctors gave out 7 million prescriptions, how many did they give out in 1951?		Organisation
Who was prime minster when the NHS opened?		of NHS
What was the budget of the NHS when it opened in 1948?		General Additional services, (GPs) and dentists, such as the
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Between what years did the number of NHS doctors double?		The creation of the led to a massive
In 1948 how did life expectancy for a woman and man increase from 1948?		recruitment campaign for doctors and to         help it.         Many came from different to
How is the NHS paid for?		work in the NHS. 70

	-	Key Word	Definition
Question	Answer	Immigration	Coming to live
Groups who come and settle to Britain from 1945-1975	Ireland, eastern Europe, Africa, the Caribbean, Hong Kong, Malaysia, Singapore and The Indian		permanently in a foreign country
	subcontinent	Migrant	A person who moves
Why was it difficult for an immigrant to get accommodation?	Immigrants had to live in Britain for 5 years before they could apply for council accommodation, it was usually a room in a house, cramped and expensive.		from one place to another, especially to find work or better living conditions
Name the landlord in London who had over 100 properties overcrowded with immigrants?	Peter Rachman	Push factor	something that makes people want to leave a
Give a reason why immigrants faced discrimination?	Faced accusations that they were just in Britain for the benefit system		place or escape from a particular situation
In 1955 transport workers in Wolverhampton, West Bromwich and Bristol went on strike to protest about what?	Increasing numbers of coloured workers (there was only ONE India bus conductor in West Bromwich)	Pull factor	"pull" people to a new home and include things like better opportunities.
Immigrants tended to stick together, name places where communities formed	Toxteth in Liverpool, Notting hill in London, Saint Pauls in Bristol, and Moss Side in Manchester became Caribbean communities	Nationality	The status of belonging to a particular nation.
	with a life and culture of their own.	Windrush	HMT Empire Windrush
Who set up the Union Movement with the 'Keep Britain white' logo?	Oswald Moseley		was a ship brining people from the Caribbean to
What was the year of the summer of	1958		Britain
violence?		EMPIRE WINDRUSH	71

Definition
72
## Year 9 History: Immigration Case Study: Windrush

Question	Answer
What does Windrush mean?	HMT Empire Windrush was a ship which travelled from the Caribbean to Britain in 1948.
Why did people want to come to Britain?	Britain needed more workers to rebuild the country after World War Two.
What does voyage mean?	A long journey on a ship.
What was the 1948 Nationality Act?	Gave citizens of the United Kingdom and Colonies status and the right of settlement in the UK to everyone who was at that time a British subject by virtue of having been born in a British colony.
What does citizenship mean?	The position or status of being a citizen of a particular country
What does discrimination mean?	The unjust or prejudicial treatment of different categories of people, especially on the grounds of ethnicity, age, sex, or disability





Question	Answer
Between 1948 and 1971 how many people moved from the Caribbean to Britain?	Half a million people
How did Britain encourage people to move over?	Used adverts (propaganda)
Why did people from the Caribbean feel they were being treated differently?	Due to the colour of their skin
When did the Windrush scandal begin?	2018
What is the Windrush scandal?	People who were wrongly detained, denied legal rights, threatened with deportation, and in at least 83 cases wrongly deported from the UK by the Home Office.

## Year 9 History: Immigration Case Study: Windrush

Question	Answer
What does Windrush mean?	
Why did people want to come to Britain?	
What does voyage mean?	
What was the 1948 Nationality Act?	
What does citizenship mean?	
What does discrimination mean?	





Question	Answer
Between 1948 and 1971 how many people moved from the Caribbean to Britain?	
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Why did people from the Caribbean feel they were being treated differently?	
When did the Windrush scandal begin?	
What is the Windrush scandal?	

# Life Chances

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## Year 9 Life Chances: Further education

## Going to University or College

Starting a university or college is like starting school but there are so many more people. You might be older, but it can still be a lonely and difficult experience. And yet, it can be a positive experience too.

#### Starting college/university



Starting university is exciting. You are going to enjoy:	There can be some downsides too. You might:
new experiences	drink too much alcohol
clubs, societies, sports	sleep poorly
new, more sophisticated classes	<ul> <li>react badly to a change of diet</li> </ul>
<ul> <li>being more independent and confident</li> </ul>	be short of money
forming bonds with other students	<ul> <li>find that striking a balance between study, work and socialising is difficult</li> </ul>
• the sense of achievement at having reached university	<ul> <li>miss your family and school friends</li> </ul>
meeting new friends	<ul> <li>find it hard to cope with independence 77</li> </ul>

## Year 9 Life Chances: Further education

## Going to University or College

Starting a university or college is like starting school but there are so many more people. You might be older, but it can still be a lonely and difficult experience. And yet, it can be a positive experience too. 

 Starting college/university

 Stress of balancing studies

 Stress of balancing studies

 Lack of sleep

Starting university is exciting. You are going to enjoy:	There can be some downsides too. You might:
	78

## Drug use

A drug is a chemical substance that affects the processes of the mind or body.

Some drugs are legal and can be bought in shops and supermarkets such as alcohol, cigarettes and mild painkillers. Others are medicines, prescribed by doctors to treat illnesses.

Illegal drugs are banned by the government.



## Unhealthy lifestyle choices Nicotine

Nicotine is another legal drug that is used as a mild stimulant and is consumed in cigarettes, cigars, pipes and vaporisers.
Smoking can have very bad side effects, including:
high blood pressure, increasing the likelihood of heart attack and stroke;

increased risk of cancers of the lungs, throat and mouth;
lower fertility, making it difficult to conceive children;
higher risk of miscarriage or stillbirth;

•premature aging due to reduced blood supply to the skin.

## Alcohol

Alcohol such as beer, wine and spirits are legal to buy, only if you are over 18. Drinking large amounts can have the following effects:increase in aggression and violence;

depression;

•slurred speech and unsteady movement;

headaches and stomach ache (hangover);

•death from overdose.

## Drug use

A drug is a chemical substance that affects the processes of the \_\_\_\_\_ or \_\_\_\_\_. Some drugs are legal and can be bought in shops and supermarkets such as \_\_\_\_\_\_, cigarettes and mild \_\_\_\_\_. Others are \_\_\_\_\_, prescribed by

doctors to treat illnesses.

Illegal drugs are banned by the \_\_\_\_\_.



## Unhealthy lifestyle choices Nicotine

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## Alcohol

Alcohol such as beer, \_\_\_\_\_ and spirits are legal to buy, only if you are over \_\_\_. Drinking large amounts can have the following effects:

## Illegal Drugs

There is a huge range of illegal drugs that change the user's state of mind. Some induce euphoria and confidence, others dull pain or cause hallucinations. Some illegal drugs include cocaine, heroin and MDMA (known as 'ecstasy').



Different drugs affect your health in different ways, but there are some problems common to them all:

- more illnesses, deaths, and disabilities are caused by substance abuse than from any other preventable health condition
- drugs weaken your immune system, leaving you open to infections
- some drugs can cause nausea, vomiting, and abdominal pain
- some drugs can cause heart disease; this may be an abnormal heartbeat, but it could escalate to a heart attack
- injected drugs, such as heroin, can cause your veins to collapse and infections in your circulatory system
- seizures, strokes, and other types of brain damage can be caused by some types of drugs. This may leave you with long-term memory and cognitive problems. Others can cause mental illness such as depression or schizophrenia
- many drugs are addictive, which means that users are compelled to use the drug whether they really want to or not. This can lead to financial and social problems as the user prioritises the drug over other aspects of their life
- some drugs can kill through overdose

## Year 9 Life Chances: Unhealthy lifestyle choices

## Illegal Drugs

There is a huge range of \_\_\_\_\_\_ drugs that change the user's state of mind. Some induce \_\_\_\_\_\_ and confidence, others \_\_\_\_\_ pain or cause hallucinations. Some illegal drugs include \_\_\_\_\_, heroin and MDMA (known as 'ecstasy').



	Different drugs affect your health in different ways, but there are some problems common to them all:
tate	
and	
or	





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## Year 9 Maths: Fraction Arithmetic

	Ke	ey Skill	Thinking Point	WAGOLL
1	-	Subtracting (same ominator)	<ul><li>Add or subtract the numerators.</li><li>Denominator stays the same.</li></ul>	$\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$
2	Adding and subtracting (different denominators)		<ul> <li>Use equivalent fractions to find a common denominator.</li> <li>Add or subtract the numerators.</li> </ul>	$\frac{\frac{3}{5} \cdot \frac{1}{4}}{\frac{12}{20} \cdot \frac{5}{20} = \frac{7}{20}}$
3	•	subtracting (mixed umbers)	<ul> <li>Convert to improper fractions first</li> <li>Use equivalent fractions to find a common denominator</li> <li>Add or subtract the numerators</li> <li>Simplify and convert to mixed number</li> </ul>	$2\frac{3}{4} + 3\frac{1}{5} = \frac{11}{4} + \frac{16}{5}$ $\frac{55}{20} + \frac{64}{20} = \frac{119}{20} = 5\frac{19}{20}$
Key Vocabulary		Definition		
· · · · ·		The top number in a fraction.		
		The bottom number in a fraction	raction.	

Improper Fraction A fraction in which the numerator is larger than the denominator, e.g.  $\frac{6}{5}$ 

## Mixed Number A number comprising a whole number and a fraction, e.g. $5\frac{1}{2}$

Year 9	Maths:	Fraction	Arithmetic

	Ke	ey Skill	Thinking Point	Practice
1	1Adding and Subtracting (same denominator)2Adding and subtracting (different denominators)3Adding and subtracting (mixed numbers)		<ul><li>What happens to the numerators?</li><li>What happens to the denominators</li></ul>	$\frac{3}{7} - \frac{2}{7} =$
2			What must we find before we can add or subtract?	$\frac{3}{8} + \frac{5}{6}$
3			<ul> <li>What should mixed numbers be converted to first?</li> <li>We should always our answers if possible, converting fractions to</li> </ul>	$2\frac{3}{10} - 1\frac{2}{3} =$
Key	Vocabulary	Complete the definitions		
Num	erator			
	ominator			
	Improper Fraction			
Mixe	Mixed Number			86

## Year 9 Maths: Algebra - Brackets

	Key Skill	Thinking Point	WAGOLL	
1	Expand a single bracket	<ul> <li>Multiply every term inside the bracket by the term outside the bracket</li> <li>Grid method will help you</li> </ul>	Expand $3(x + 2)$ = $3x + 6$ Expand $4x (3x - 1)$ Expand $4x (3x - 1)$ = $12x^2 - 4x$ Expand $4x (3x - 1)$ = $12x^2 - 4x$ Expand $4x (3x - 1)$ = $12x^2 - 4x$	
2	Expand and simplify	<ul> <li>• Expand each bracket</li> <li>• Collect any like terms to simplify</li> </ul>	3(x + 7) - 2(3x - 4) $x + 7$ $3x + 21 - 6x + 8$ $= -3x + 29$ $x + 7$ $x + 7$ $x - 4$ $-2$ $-6x + 8$	
3	Factorise an expression	<ul> <li>Find the highest common factor (HCF) of all terms. This belongs outside the bracket.</li> <li>Use reverse grid method to find what goes in the bracket</li> </ul>	Factorise fully $4x + 18$ Factorise fully $18y^3 - 12y$ HCF of $4x$ and $18$ is 2       Factorise fully $18y^3 - 12y$ $x$ $2x$ $+9$ $2$ $4x$ $+18$ $2(2x + 9)$ $6y(3y^2 - 2)$	
Coefficient A number used to multiply a variable, e.g. in the term "		Definition		
		A symbol or letter representing a value we do not know.		
		A number used to multiply a variable, e.g. in the term "4x	t", the coefficient of x is 4.	
		Numbers, variables and operators (+, - , x and ÷), grouped	together to show the value of something. Expressions do not have an equals sign.	
Constant A number on its own, e.g. in the expression $5x + 8$ , the co			onstant is 8. <b>87</b>	

Ye	/ear 9 Maths: Algebra - Brackets					
		Key Skill	Thinking Point	Practice		
	1	Expand a single bracket	What method could I use to help expand brackets?	Expand a) $4(5x + 3)$ b) $6(2x - 1)$ c) $5x (3x + 8y)$		
	2	Expand and simplify	After expanding, I must collect in order to simplify	a) $3(2x + 1) + 4(x + 3)$ b) $7(3x + 11) - 4(5x - 2)$		
	3       Factorise an expression         Variable       Control		What does HCF stand for?	Factorise fully a) $6x + 12$ b) $9t - 3$ c) $14p^2 + 7p^3$		
			omplete the definitions			
	Coefficient					
	Expression Constant					
				88		

Ye	ar 9	Maths: Algebra -	- Solving Equations				
		Key	y Skill	Thinking Point	WAGOLL		
	1	Solve a one	step equation	<ul> <li>Think about what has happened to the variable, and use the <i>inverse</i> operation to undo this.</li> </ul>	-6	<i>x</i> + 6 = 16 <i>x</i> = 10	-6
	2	Solve a multip	ble step equation	<ul> <li>Try to isolate the variable using inverse operations, one step at a time</li> </ul>	+5 ÷4	4x - 5 = 19 $4x = 24$ $x = 6$	+5 ÷4
	3	-	tions with the on both sides	<ul> <li>Eliminate the variables from one side of the equation first, remembering to keep the equation balanced.</li> </ul>	-2x -2 ÷3	2x + 11 = 5x + 2 11 = 3x + 2 9 = 3x 3 = x	) -2x ) -2 ) ÷3
	Key Vocabulary Definition		Definition				
	Equation		A statement showing that two ex	io expressions are equal			
	Variable		A symbol or letter representing a	a value we do not know.			
	Solution The value of the variable once we		e have worked it out.			89	

	Key S	Skill	Thinking Point	Practice
1	Solve a one st	tep equation	Use operations to solve the equation.	Solve a) $x - 7 = 5$ b) $6x = 54$ c) $\frac{x}{8} = 2$
2	Solve a mu equa	· ·	<ul> <li>Try to the, one step at a time.</li> </ul>	Solve a) $3x - 7 = 5$ b) $6x + 12 = 54$ c) $\frac{x}{5} - 1 = 4$
3	Solve equation unknown on		<ul> <li>First you should         the variable         from one side of the equation.     </li> </ul>	Solve a) $3x + 4 = 2x + 1$ b) $5x - 7 = 9x - 3$
Key Vocabulary         Complete the definitions				
Equation				
Variable				
Solu	Solution			90

#### Year 9 Maths: Vectors **Key Skill Thinking Point** WAGOLL The top number of a vector tells how Drawing Draw the vector $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$ Draw the vector $\begin{pmatrix} -2 \\ A \end{pmatrix}$ 1 many units to left or right we move. If it is Vectors This means 3 units to right and 2 units This means 2 units to left and 4 positive we move to the right. If it is down. We start counting from the dot. units up. We start counting from negative we move to the left. the dot. The bottom number of a vector tells how • many units up or down we move. If it is righ positive we move upwards. If it is negative 2 down we move downwards. 4 up Add an arrow to show the direction of . travel. 2 left Follow the direction of travel. ٠ Write down the vector $\overrightarrow{AB}$ 2 Writing Column • Count the horizontal movement first. 2 units to rights Vectors remember right is positive and left is 4 units up negative. Count the vertical movement, remember up is positive and down is negative.

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Year 9 Maths: Vectors		aths: Vectors			
		Key Skill	Thinking Point	Practice	
	1	Drawing Vectors	<ul> <li>What does the top number tell us? What if it is negative?</li> <li>What does the bottom number tell us? What if it is negative?</li> <li>What do we add at the end?</li> </ul>	Draw the vector $\begin{pmatrix} 4 \\ -3 \end{pmatrix}$	Draw the vector $\begin{pmatrix} -3\\ 2 \end{pmatrix}$
	2	Writing Column Vectors	<ul> <li>Follow the direction of travel.</li> <li>Count the horizontal movement first, remember right is positive and left is negative.</li> <li>Count the vertical movement, remember up is positive and down is negative.</li> </ul>	Write down the vector $\overrightarrow{AB}$	
					92

1Adding and Subtracting Vectors• Add/Subtract the top numbers together $\binom{3}{5} + \binom{-2}{4}$ $= \binom{3-2}{5+4}$ $= \binom{3}{5} - \binom{2}{5}$ $= \binom{3}{5} - \binom{2}{5} - \binom{2}{5} - \binom{2}{5}$ $= \binom{3}{5} - \binom{2}{5} - \binom{2}{5} - \binom{2}{5}$ $= \binom{3}{5} - $		Key Skill	Thinking Point	WAGOLL	
$ \begin{array}{c c} & = \binom{1}{15} & \binom{1}{2} \times 4 \\ & = \binom{-1}{2} \\ \hline \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ &$	1		<ul><li>together</li><li>Add/Subtract the bottom numbers</li></ul>	$ \begin{pmatrix} 3\\5 \end{pmatrix} + \begin{pmatrix} -2\\4 \end{pmatrix} $ $ = \begin{pmatrix} 3+-2\\5+4 \end{pmatrix} $ $ = \begin{pmatrix} 3-2\\5+4 \end{pmatrix} $ $ = \begin{pmatrix} 1\\9 \end{pmatrix} $	$= \binom{32}{5-4}$ $= \binom{3+2}{5-4}$
Vectors• Use the steps above $= \begin{pmatrix} 3 \times 3 \\ 3 \times 5 \end{pmatrix} + \begin{pmatrix} \frac{1}{2} \times -2 \\ \frac{1}{2} \times 4 \end{pmatrix}$ • Be careful with negative numbers	2	Multiplying Vectors	vector by the number outside the	$3\binom{3}{5} \\ = \binom{3 \times 3}{3 \times 5} \\ = \binom{9}{15}$	$\left(\frac{1}{2} \times 4\right)$
(17)	3		Use the steps above	$= \begin{pmatrix} 3 \times 3\\ 3 \times 5 \end{pmatrix} + \\= \begin{pmatrix} 9\\ 15 \end{pmatrix}$	$-\begin{pmatrix} \frac{1}{2} \times -2\\ \frac{1}{2} \times 4 \end{pmatrix} + \begin{pmatrix} -1\\ 2 \end{pmatrix} + \begin{pmatrix} -1\\ 2 \end{pmatrix} + \begin{pmatrix} -1\\ 2 \end{pmatrix} + \begin{pmatrix} -1\\ 5 + 2 \end{pmatrix} \begin{pmatrix} -1\\ 5 + 2 \end{pmatrix} \begin{pmatrix} -1\\ 5 + 2 \end{pmatrix} \begin{pmatrix} 8\\ 17 \end{pmatrix}$

## Year 9 Maths: Vectors

	Key Skill	Thinking Point	Practice	
1	Adding and Subtracting Vectors	<ul> <li>What do we do to the top numbers?</li> <li>What do we do to the bottom numbers?</li> </ul>	$\binom{2}{3} + \binom{-1}{7}$	$\binom{4}{-5} - \binom{-3}{1}$
2	Multiplying Vectors	• the both numbers in the vector by the numberthe vector	$2\binom{-3}{5}$	$-2\binom{3}{5}$
3	Composite problems with Vectors	What must we follow while doing these calculations?	$2\binom{3}{5} + 3\binom{2}{4}$	$4\binom{1}{-2} - 3\binom{-2}{3}$

# Modern Foreign Languages

Helping every person achieve things they never thought they could.



## **Describe where I live.**

**Key Grammar** 

## **Recap: Conjugating regular verbs that end in ER in the present tense.**

Reminder: conjugating a verb means that you are taking its infinitive form (ER, RE or IR endings) to change it to I, you, we and to a particular tense (present, past, future)

#### HABITER (to live) in the present tense Habiter is a regular verb that ends in ER.

To change a verb that ends in ER to the present tense, use the following process:

Use the appropriate pronoun (je, tu, il, elle, etc) Take the ER ending off to form the **stem**. For example,

#### change habiter to habit

Choose the correct ending according to the pronoun you are using. For ER verbs, the present tense endings are as follows:

Pronoun	Present Tense ER verb ending
Je	е
Ти	es
II, elle, on	е
Nous	ons
Vous	ez
lls, elles	ent

#### See the example HABITER in the present tense below:

J'habit <b>e</b>	l live
Tu habit <b>es</b>	You live (singular/informal)
II habite	He lives
Elle habite	She lives
On habit <b>e</b>	One lives (we like)
Nous habitons	We live
Vous habit <b>ez</b>	You live (formal/plural)
Ils habit <b>ent</b>	They live (masculine/mixed)
Elles habitent	They live (feminine)

#### Infinitive Verbs

Remember that an infinitive verb is the verb in the 'to' form before it has been changed. Infinitive verbs end in ER, RE or IR Examples: Habiter = to live Aller = to go Être = to be Avoir = to have

#### Saying there is or isn't something in your house.

Il y a = there is For example, il y a un garage = there is a garage

#### Il n'y a pas de = there isn't \*\*When you use il n'y a pas de, you do not include un/une For example, il n'y a pas de garage = there isn't a garage

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Choose the correct ending according to the pronoun you are using. For ER verbs, the present tense endings are as follows:

Pronoun	Present Tense ER verb ending
	е
	es
	е
	ons
	ez
	ent

#### See the example HABITER in the present tense below:

J'habit <b>e</b>	l live
	You live (singular/informal)
	He lives
	She lives
	One lives (we like)
	We live
	You live (formal/plural)
	They live (masculine/mixed)
	They live (feminine)

#### Infinitive Verbs

Remember that an infinitive verb is the verb in the 'to' form before it has been changed.

Infinitive verbs end in ER, RE or \_\_\_\_

Examples:

Habiter =

Aller =

Être =

Avoir =

#### Saying there is or isn't something in your house.

Il y a = For example, il y a un garage =

#### II n'y a pas de =

\*\*When you use il n'y a pas de, you do not include un/une For example, il n'y a pas de garage =

## **Describe where I live.** Recap: AVOIR (to have) in the present tense

<u></u>		
J'ai	I have	
Tu as	You have (singular/informal)	
II a	He has	
Elle a	She has	
On a	One has(we like)	
Nous avons	We have	
Vous avez	You have(formal/plural)	
Ils ont	They have (masculine/mixed)	
Elles ont	They have (feminine)	
DODOXWAN		

Une maison = a house Un appartement = a flat Une ferme = a farm Un village = a village Une ville = a town Une cité = a city Au centre-ville = in the town centre

**Useful Vocabulary** 

Places to live

Au bord de la mer = at the seaside À la campagne = in the countryside Rooms in the house La cuisine = the kitchen Le salon = the living room La salle de bains = the bathroom L'entrée = the hall/the entrance La salle à manger = the dining room La salle de bains = the bathroom La chambre = the bedroom Deux chambres = two bedrooms Ma chambre = my bedroom Le jardin = the garden Le garage = the garage

#### Adjectives to describe your house

Adjective	Masculine	Masculine Plural	Feminine	Feminine Plural
Modern	Moderne	Modernes	Moderne	Modernes
Ugly	Laid	Laids	Laide	Laides
Big** goes before the noun	grand	grands	grande	grandes
Small** goes before the noun	petit	petits	petite	petites
Old** goes before the noun	Vieux	Vieux	Vieille	Vieilles
Pretty** goes before the noun	Joli	Jolis	Jolie	Jolies

## **RECAP of Être (to be) in the present tense**

## **谷**

Je suis	l am
Tu es	You are(singular/informal)
II est	He is
Elle est	She is
On est	One is (we like)
Nous sommes	We are
Vous êtes	You are (formal/plural)
Ils sont	They are (masculine/mixed)
Elles sont	They are (feminine)

Describe where I live. Recap: (to have) in the present tense		
	I have	
	You have (singular/informal)	
	He has	
	She has	
	One has(we like)	
We have		
You have(formal/plural)		
They have (masculine/mixed)		
They have (feminine)		

Useful Vocabulary	Rooms in the house
Places to live	La cuisine =
= a house	Le salon =
= a flat	La salle de bains =
= a farm	L'entrée =
= a village	La salle à manger =
= a town	La salle de bains =
= a city	La chambre =
= in the town	<b>Deux</b> chambres =
centre	Ma chambre =
= at the seaside	Le jardin =
= in the	Le garage =
countryside	

RECAP of \_\_\_\_

(to be) in the present tense

図

Mr. M.	
	l am
	You are(singular/informal)
	He is
	She is
	One is (we like)
	We are
	You are (formal/plural)
	They are (masculine/mixed)
	They are (feminine)

## Adjectives to describe your house

Adjective	Masculine	Masculine Plural	Feminine	Feminine Plural

## **Describe my dream house.**

Using the conditional tense to say where you would live in the future

The <u>conditional tense</u> is used to describe **what someone would do** or **what would happen** in the future. It can also be used to express ambitions and intentions.

The easiest way to form the conditional tense is to take the verb vouloir (to want) in the conditional tense plus an infinitive or aimer (to like) plus an infinitive:

For example: Je voudrais jouer au foot I would like to play football

J'aimerais jouer au foot I would like to play football However, to conjugate verbs in the conditional tense follow these simple steps. 1.Take an infinitive. Your infinitive is the stem.

(Remember infinitives end in er, re or ir.)

2.Add the conditional tense endings. Note: these are the same endings as the imperfect tense

	Stem	Conditional endings	Example	English
je	regarder	-ais	je regarderais	l would watch
tu	manger	-ais	tu mangerais	you would eat
il/elle/o n	jouer	-ait	il/elle/on jouerait	he/she/it would play
nous	<mark>finir</mark>	-ions	nous finirions	we would finish
vous	partir	-iez	vous partiriez	you would leave
ils/elles	vendr	-aient	ils/elles vendraient	they would sell



## **Describe my dream house.**

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For example:

I would like to play football

I would like to play football However, to conjugate verbs in the conditional tense follow these simple steps.

1.Take an infinitive. Your infinitive is the \_\_\_\_\_. (*Remember infinitives end in er, or ir.*)

2.Add the conditional tense endings. Note: these are the same endings as the \_\_\_\_\_\_ tense

Stem	<b>Conditional endings</b>	Example	English
			MATANA TATA Kana kanana kana



1

#### Saying what I would like to do when I'm older.

If you wanted to describe a job you would like to do, you can say 'je voudrais être' (I would like to be) or 'j'aimerais être' (I would love to be) plus the name of the job.

For example, **j'aimerais** être chanteur = I would like to be a singer.

Remember in French you do not use the article (the/a) when talking about jobs.

For example you say: "I would like to be doctor" rather than "I would like to be <u>a</u> doctor".

#### **Vocabulary - Jobs**

When talking about jobs in French you have to change the ending of the word depending on the gender of the person you are talking about.

For example:

Mon père est avocat. My Dad is a lawyer.

Ma mère est avocat**e**. My Mum is a lawyer.

#### Jobs - Masculine/Feminine

Avocat/avocate = lawyer ingénieur/ingénieure = engineer mécanicien/mécanicienne = mechanic Chanteur/chanteuse = singer traducteur/traductrice = translator professeur = teacher acteur/actrice = actor vendeur/vendeuse = sales assistant directeur/directrice = director électricien/électricienne = electrician médecin =doctor Dentiste = dentist



#### Saying what I would like to do when I'm older.

If you wanted to describe a job you would like to do, you can say 'je voudrais être' (\_\_\_\_\_\_) or 'j'aimerais être' (I would love to be) plus the name of the job.

For example, \_\_\_\_\_ = I would like to be a singer. Remember in French you do not use the article (the/a) when

talking about jobs.

For example you say: "\_\_\_\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ rather than "I would like to be <u>a</u> doctor".

#### **Vocabulary - Jobs**

When talking about jobs in French you have to change the ending of the word depending on the gender of the person you are talking about.

For example:

My Dad is a lawyer.

My Mum is a lawyer.

#### Jobs - Masculine/Feminine

- = lawyer
- = engineer
- = mechanic
- = singer
- = translator
- = teacher
- = actor
- = sales assistant
- = director
- = electrician
- =doctor
- = dentist



## **Describe where I live.**

# How to conjugate regular verbs that end in IR in the present tense.

To change a verb that ends in IR to the present tense, use the following process:

**1.Take the IR ending off to form the stem**. For example, change **vivir** to **viv** 

2.Choose the correct ending. For IR verbs, the present tense endings are as follows:

Yo (I) - o Tú (you) - es El/Ella (he/she) - e Nosotros (we) - imos Vosotros (you plural) - ís Ellos/Ellas (they) - en Remember in Spanish the endings of verbs tell you what the tense is and the person you are talking about.

Vivir (to live) is a regular IR infinitive verb.

Spanish	English
Vivo	l live
Vives	You live
Vive	He/she/it lives
Vivimos	We live
Vivís	You (plural) live
Viven	They live

		un piso (a flat)	bonito (pretty) feo (ugly) grande (big) pequeño (small)		en un edificio antigu en un edificio mode en el centro (in the ce	rno (in a modern building)	
Vivo (I live) Vives (You live) Vive (He/she lives) Vivimos (We live) Viven (They live)	en (in)	una casa (a house)	bonita (pretty) fea (ugly) grande (big) pequeña (small)	  ■ ¢	en las afueras (on the en la costa (on the coa en el campo (in the co en la montaña (in the	est) puntry)	
	, t	una aldea (a village) un pueblo (a town) una ciudad (a city)	en el norte de (in the north of) en el este de (in the east of) en el sur de (in the south of) en el oeste de (in the west of)		Escocia (Scotland) España (Spain) Gales (Wales)	Inglaterra (England) Irlanda (Ireland) Ios Estados Unidos (the USA)	



## **Describe where I live.**

# How to conjugate regular verbs that end in IR in the present tense.

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**1.Take the IR ending off to form the stem**. For example, change \_\_\_\_\_ to \_\_\_\_

2.Choose the correct ending. For IR verbs, the present tense endings are as follows:

(I) -(you) -(he/she) -(we) -(you plural) -(they) - Remember in Spanish the endings of verbs tell you what the tense is and the person you are talking about.

Vivir (\_\_\_\_

\_\_\_) is a regular IR infinitive verb.

Spanish	English
	l live You live He/she/it lives
	We live You (plural) live They live



## **Rooms of the house**

En mi casa hay = in my house there is En la casa de mis sueños habría = In my dream house there would be

Una cocina = a kitchen Un comedor = a dining room Un desván = an attic Una sala de juegos = a games room Un salón = a living room Un sótano = a basement Un dormitorio = a bedroom Un cuarto de baño = a bathroom Un garaje = a garage Un jardín = a garden



#### **Adjectives:**

acogedor/a = cosy antiguo/a = old bonito/a = beautiful/pretty luminoso/a = well lit grande = big pequeño/a = small

In Spanish adjectives usually come <u>after the noun</u>. Adjectives also change based on the **gender** of the noun:

Masculine: Un piso pequeño A small flat

Feminine: Una casa pequeña A small house

Remember in Spanish all nouns have a gender. A noun is a person, place or thing.

All nouns in Spanish have a gender. That means they are either masculine or feminine.

Although it might seem strange at first that nouns have a gender in Spanish, there are luckily lots of patterns and clues to help you to remember if a noun is masculine or feminine. **107** 

## **Rooms of the house**

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- = a dining room
- = an attic
- = a games room
- = a living room
- = a basement
- = a bathroom
- = a garage
- = a garden



#### Adjectives:

- = cosy
- = old
- = beautiful/pretty
- = well lit
- = big
- = small

In Spanish adjectives usually come <u>the noun</u>. Adjectives also change based on the **gender** of the noun:

Masculine:

A small flat

Feminine:

#### A small house

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All nouns in Spanish have a \_\_\_\_\_. That means they are either masculine or feminine.

Although it might seem strange at first that nouns have a gender in Spanish, there are luckily lots of patterns and clues to help you to remember if a noun is \_\_\_\_\_\_ or feminine. 108
# **Masculine nouns**

Most nouns that end in -o are masculine.

For example:

el teléfono - telephone

el perro - dog

Male family members are always masculine.

For example:

hermano - brother

padre - father

Days of the week and months are also masculine.

For example:

lunes - Monday

diciembre - December

# Feminine nouns

Most nouns that end in -a are feminine. For example: la casa - house la pierna - leg Female family members are always feminine. For example: hermana - sister madre - mother

There are also some groups of endings that are always feminine.

For example:

-ión - estación - station

-dad - universidad - university

-tad - dificultad - difficulty

Another way to tell the gender of a noun is to look at its article. The words "a" and "the" are articles in English.

# **Articles in Spanish**

	A	The	Му
Masculine	Un	El	Mi
Feminine	Una	La	Mi
Masculine Plural	Unos	Los	Mis
Feminine Plural	Unas	Las	Mis

# Describing where you live

There are two verbs for <u>'to be'</u> in Spanish, ser and estar that you can use to talk about where you live. Ser is used to give descriptions and estar is used for location.

For example:

Ser Mi pueblo <u>es</u> grande - My town *is* big.
Estar Mi pueblo <u>está</u> lejos de Mánchester - My town *is* far from Manchester.

Spanish	English
Soy	l am
Eres	You are
Es	He/she/it is
Somos	We are
Sois	You (plural) are
Son	They are <b>109</b>

# **Masculine nouns**

Most nouns that end in -o are masculine. For example:

- telephone

- dog

Male family members are always masculine. For example:

- brother

- father

Days of the week and months are also masculine. For example:

- Monday
- December

# Feminine nouns

Most nouns that end in -a are feminine. For example:

- house

- leg

Female family members are always feminine. For example:

- sister
- mother

There are also some groups of endings that are always feminine.

For example:

- station
- university
- difficulty

Another way to tell the gender of a noun is to look at its article. The words "a" and "\_\_\_\_\_" are articles in English.

# **Articles in Spanish**

	А	The	Му
Masculine			
Feminine			
Masculine Plural			
Feminine Plural			

# **Describing where you live**

There are two verbs for <u>'to be'</u> in Spanish, ser and estar that you can use to talk about where you live. Ser is used to give descriptions and estar is used for location.

For example:

•Ser	- My town <i>is</i> big.
•Estar	- My town <i>is</i> far from Manchester.

Spanish	English
	Lam You are He/she/it is
	We are You (plural) are They are <b>110</b>

# **Describing location**

You can give more details about where you live by using está (is).

For example:

•Vivo en una ciudad pequeña. <u>Está</u> en la costa y <u>está</u> cerca de Aberdeen - I live in a town. *It is* on the coast and *is* near to Aberdeen.

•Vivo en un pueblo en la montaña. Está lejos de la capital

- I live in a village in the mountains. *It is* far from the capital.

Use the table below to give more detail about where you live.

Spanish	English
está	it is
cerca de	near to
lejos de	far from
en la costa	on the coast
en la montaña	in the mountains
en el campo	in the countryside
en el centro	in the centre
en el norte/sur/este/oeste	in the north/south/east/west

## Describe my dream house.

The <u>conditional tense</u> is used to describe what someone would do or what would happen in the future. It can also be used to express ambitions and intentions. For example:

Si fuera posible viviría en una casa grande y la casa tendría una piscina. If it were possible I would live in a big house and the house would have a swimming pool.

How to form the conditional tense.

To conjugate verbs in the conditional tense follow these simple steps. 1.Take an infinitive.

(Remember infinitives end in ar, er or ir.)

2.Add the conditional tense endings. The endings are the same for -ar, -er and -ir verbs.

	ending	vivir (to live)	meaning
yo (I)	ía	viviría	I would live
tú (you)	ías	vivirías	You would live
él/ella (he/she)	ía	viviría	He/she would live
nosotros (we)	íamos	viviríamos	We would live
vosotros (you plural)	íais	viviríais	You (plural) would live
ellos/ellas (they masculine / they feminine)	ían	vivirían	They would live

Some verbs like tener (to have) are irregular verbs. This means they don't always follow the same pattern as other verbs. To change tener (to have) to the conditional tense you use the irregular stem **tendr** plus the endings above. For example - I would have = **tendr**ía **111** 

# **Describing location**

You can give more details about where you live by using está (is).

For example:

- I live in a town. *It is* on the coast and *is* near to Aberdeen.

- I live in a village in the mountains. *It is* far from the capital.

Use the table below to give more detail about where you live.

Describe my dream nouse.	Describe my	dream	house.
--------------------------	-------------	-------	--------

The <u>conditional tense</u> is used to describe what someone would do or what would happen in the future. It can also be used to express ambitions and intentions. For example:

*If it were possible I would live in a big house and the house would have a swimming pool.* 

How to form the conditional tense.

To conjugate verbs in the conditional tense follow these simple steps. 1.Take an infinitive.

(Remember infinitives end in ar, er or ir.)

2.Add\_\_\_\_\_\_ and \_\_\_\_\_verbs. \_. The endings are the same for \_\_\_\_,

English		
it is		
near to		
far from		
on the coast		
in the mountains		
in the countryside		
in the centre		
in the north/south/east/west		
n fi iii	t is lear to lear to lear from lear to lear to lear from lear to lear from lear from lear the coast lear the mountains lear the countryside lear the centre lear the centre lear lear lear lear lear lear lear le	t is is is is is is is it is is it is is it is is it i

ending	vivir (to live)	meaning

Some verbs like tener (to have) are \_\_\_\_\_\_ verbs. This means they don't always follow the same \_\_\_\_\_\_ as other verbs. To change tener (to have) to the conditional tense you use the irregular stem **tendr** plus the endings above. For example - I would have =\_\_\_\_\_ **112** 

# Saying what I would like to do when I'm older.

Vocabulary - Jobs

When talking about jobs in Spanish you have to change the ending of the word depending on the gender of the person you are talking about.

For example: Mi padre es abogad**o**. My Dad is a lawyer.

Mi madre es abogad**a**. My Mum is a lawyer.



Masculine		Feminine	
Abogado = lawyer Cocinero = chef Enfermero = nurse Fontanero = plumber Ingeniero = engineer Mecánico = mechanic Médico = doctor Profesor = teacher Traductor = translator Intérprete = interpreter		Abogada = lawyer Cocinera = chef Enfermera = nurse Fontanera = plumber Ingeniera = engineer Mecánica = mechanic Médica = doctor Profesora = teacher Traductora = translator Intérprete = interpreter	
Si pudiera elegir, = If I were able to choose, Si tuviera la opción, = If I were to have the choice, Si fuera posible, =I f it were possible, Cuando sea mayor = When I'm older,	me gustaría= I would like quisiera = I would like quiero = I want	ser = to be	abogado/a = lawyer cocinero/a = chef enfermero/a = nurse fontanero/a = plumber ingeniero/a = engineer mecánico/a = mechanic médico/a = doctor profesor/a = teacher traductor/a = translator intérprete = interpreter

Remember in Spanish you **do not** use the article (the/a) when talking about jobs.

For example you say: "I would like to be doctor" rather than "I would like to be **a** doctor".

# Saying what I would like to do when I'm older.

Vocabulary - Jobs

When talking about jobs in Spanish you have to change the ending of the word depending on the \_\_\_\_\_\_ of the person you are talking about.

For example:

My Dad is a lawyer.

My Mum is a lawyer.



Masculine		Feminine	
= chef		Abogada = Cocinera =	
= nurse		Enfermera =	
= plumber		Fontanera =	
= engineer		Ingeniera =	
= mechanic		Mecánica =	
= doctor		Médica =	
= teacher		Profesora =	
= translator		Traductora =	
= interpreter		Intérprete =	=
= If I	= I would	= to be	abogado/a =
were able to choose,	like		cocinero/a =
= If I	= I would		enfermero/a =

fontanero/a =

ingeniero/a =

mecánico/a =

médico/a =

profesor/a =

traductor/a = intérprete =

Remember in Spanish you **do not** use the article (the/a) when talking about jobs.

= I want

like

were to have the

were possible,

=l f it

= When

choice.

I'm older,

For example you say: "I would like to be doctor" rather than \_\_\_\_\_\_





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# Year 9 Music:

1	Atonal	Music that lacks a tonal centre and tends to have an unsettling effect.		
2	Cue	musical segments created specifically for moments in a film.		
3	Cuesheet	A detailed listing of musical cues matching the visual action of a film so that composers can time their music accurately to match the visual images.		
4	Diegetic Music	A detailed listing of musical cues matching the visual action of a film so that composers can time their music accurately to match the visual images.		
5	Discordant	conflicting musical notes that clash or are harsh sounding.		
6	Foley	A means of supplying additional sound effects, and matching them to visuals.		
7	Imitation	This is when a melody in a polyphonic texture is repeated shortly after its first appearance in a different voice, usually at a different pitch.		
8	Leitmotif	use of a musical phrase to identify with a particular character, place or idea.		
9	Mickey Mousing	use of a musical phrase to identify with a particular character, place or idea.		
10	Nondiegetic Music	Where the source of a sound is not visible on the screen i.ebackground music.		
11	Pedal Note	A long held note, used to create tension		
12	Soundtrack	The music and sound recorded on a motion picture film. The word 'soundtrack' can often mean a commercial recording of a collection of music and songs from a film sold individually as an audio CD.		
13	Underscore	musical accompaniment to dialogue.		



Hans Zimmer, born in Germany, is a leading film composer who has written film scores for The Lion King, Gladiator, The Batman Trilogy, Inception, The Simpsons Movie and Interstellar. He has won multiple awards for his work, including an Academy Award, Golden Globes, Grammy Awards and Classical Brit Awards.

### John Williams

John Williams was born in New York, USA, in 1932. He attended the Juilliard School for drama, music and art in Manhattan, New York.

His first major success was for the film score for *Jaws* in 1975 for which he won an Oscar. Williams has composed some of the most iconic film music of all time, including for Superman, Indiana Jones, E.T., Harry Potter, Home Alone and War Horse. He has composed music for over a hundred films and is still actively composing today. His music features in the latest Star Wars trilogy.





# Year 9 Music:

1	Atonal	
2	Cue	
3	Cuesheet	
4	Diegetic Music	
5	Discordant	
6	Foley	
7	Imitation	
8	Leitmotif	
9	Mickey Mousing	
10	Nondiegetic Music	
11	Pedal Note	
12	Soundtrack	
13	Underscore	



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Year 9 PE: Basketball			Rules, Strategies and Tactics		
Motor Competence			Ke	ey	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		3-poin	it 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 Double Dribble		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 with two hands or dribbling, catching the ball,
Dribbling	Fingertips, head up, bounce the ball in front of body		3 Sec Viola	cond	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		8 Sec Viola Back (	ition	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)	Viola			ball back over the halfway line otherwise they lose possession of the ball.
Shooting	Composure, accuracy and placement. Lay up - use outside arm, use fingers to create backspin, aim for the postage stamp	Muscles Fitness componer	Muscles Fitness components		coordination, speed, agility, reaction time



Year 9 PE: Har	ndball		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.	Fr	ree 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.	Pen	nalty Throw	the thrower Given 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		rner Throw Passing	Given if the ball goes behind the goal off the defender (not including the goalkeeper You must pass with one hand	
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.	
Checking	Raising the arm and moving the shoulder back, bending the	Muscles	Deltoids, b	piceps, triceps, hamstrings, quadriceps	
Shooting	elbow and rotating the body for power. Jump shot - same motion but jumping to add power	Fitness components	Hand-eye	coordination, speed, agility, reaction time	



# Year 9 PE: Leadership

# Rules, Strategies and Tactics

Motor Competence			Approp use	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		equipr Planni sessi	ing 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 session		are. Link the activity to the purpose of it. Consider 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,		Orienteering		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 space will be used, what equipment will be used and the safety precautions involved.		Healthy Participation		
lesson plan					a pulse raiser, dynamic stretches and a skill-based activity. s participants physically and mentally. Helps to prevent
	Using a map and a compass to navigate between checkpoints.	Muscles used when orienteering		Hamstrings, quadriceps, gastrocnemius	
Orienteering	Leaders should find the best route to take	Cool Down			into a walk followed by static stretches. This prevents lactic ding up in the muscles <b>125</b>



# Year 9 PE: Fitness

fear 9 PE: Filless		
	Motor Competence	
Muscular strength	The amount of force you can put out or the amount of weight you can lift.	
Muscular Endurance	Perform exercises to failure so that you improve your muscular endurance.	Healthy Participation
Speed	Moving your body fast as possible	Muscles commonly used in the lesson:
Agility	Changing direction rapidly, whilst maintaining speed and precision.	• Gluteal
Flexibility	A joint or series of joints to move through an unrestricted, pain free range of motion.	Hamstrings
Balance	Even distribution of weight enabling someone or something to remain upright and steady.	Quadriceps
Coordination	Throw with one hand, catch with the other.	Gastrocnemius
Reaction time	How fast an athlete is able to respond to a stimulus.	Abdominals
Cardiovascular Fitness	To exercise the whole body for long periods	

# Rules, Strategies and Tactics

All of the movements completed to improve agility and speed must use the correct technique as this would stop any injuries or muscular injuries occurring.

All participants must have warmed up their muscles before completing flexibility and balance skills as if not muscles can easily be torn or damaged.

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# Year 9 PE: Fitness Motor Competence- define the terms below. **Muscular strength Healthy Participation Muscular Endurance** Muscles commonly used Speed in the lesson: Agility Flexibility Balance Coordination **Reaction time Cardiovascular Fitness Rules, Strategies and Tactics** All of the movements completed to improve agility and speed must use the \_\_\_\_\_as this would stop any injuries or muscular injuries occurring. All participants must have \_\_\_\_\_\_their muscles before completing flexibility and balance skills as if not muscles can easily be torn or dama

# Religious Education



Helping every person achieve things they never thought they could.



**Christianity** is a **monotheistic** religion, which means that they believe in **One God.** They believe that God has many qualities/attributes.

# Key Words

Salvation – the idea that Jesus saved humanity from sin and death through his death and resurrection.

Sin – acting against God's will.

**Original Sin** – Some Christians believe this was the **first** sin, committed by Adam and Eve.

Atonement – Forgiveness, reconciliation, being 'at one' with God.

Qualities	Meaning	Evidence from the Bible
Omnipotent	All-powerful	The creation of the world in Genesis. Miracles that Jesus performed, for example, turning water into wine.
Omni- benevolent	All-loving	Jesus' death - so that humanity could achieve salvation and atonement.
Just	Fair, treat everyone equally.	The Parable of the Sheep and Goats. The Book of Job.



Yea	Year 9 RE: Christianity						
	Christianity is a religion, which means that they believe in They believe that God has many/attributes.						
g	Key Words Salvation –				Øøt		
		Qualities	Meaning	Evidence from the Bible			
9	Sin –	Omnipotent					
(	Original Sin –						
	Atonement –	Omni- benevolent					
		Just					

**The Trinity** is the Christian belief in One God, made up of three persons. The three persons of the Trinity for Christians are God the Father, God the Son (Jesus) and God the Holy Spirit. They are all equally important.

Christians see the three persons of the Trinity as having different characteristics and roles.

**God the Father** God the Son **God the Holy Spirit** Born of the Virgin Mary. Part of God that works Sustains and rules within the world. everything. Will judge. Performed miracles. Helper and guide. Invisible power of God Continues to care for us Rose from the dead on which breathes new life like a father. the third day. into people. Provides courage and Creator Redeemer, saviour strength.

Christians believe in the Trinity because...

It is explained in the Creeds, for example, the Apostles' Creed and the Nicene Creed.

It is referred to in the Creation Story.

It is referred to when Jesus was baptised

Christians express their belief in Trinity by...

They recite the creeds.

They do the 'sign of the cross' at the beginning and end of prayers.

During baptism, water is poured over the head three times.

They celebrate Trinity Sunday.



persons. The three person God the Son () and important.	_ belief in One God, made ons of the Trinity for Christ God the Holy Spirit. They persons of the Trinity as h	Christians believe in the Trinity because	
God the Father	God the Son	God the Holy Spirit	Christians express their belief in Trinity
			by





The first book of the Bible, Genesis, says that God created everything. The process took six days and on the seventh day, God rested.

Christians see God the Father as the creator, but the Bible also describes how the other persons of the Trinity were involved.

Christians believe God the Son was present at Creation because in the Bible it refers to Jesus as the 'Word' and in John's Gospel it says, 'In the beginning was the Word'

In addition, they believe '...the Spirit hovered over the waters.' (Genesis).

Day 5: creatures that live in the sea and creatures that can fly were created Day 6: animals that live on the land and finally humans made the image of God were created

Day 7: God finished his work of creation and rested making the seventh day a special holy day





The \_\_\_\_\_book of the Bible, Genesis, says that \_\_\_\_\_ created everything. The process took \_\_\_\_\_ days and on the seventh day, God

Christians see God the \_\_\_\_\_ as the \_\_\_\_\_, but the Bible also describes how the other persons of the \_\_\_\_\_ were involved.

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# **Different Interpretations of the Creation Story**

- Some Christians take the Creation story literally. They are known as Creationists. They believe the process took six days and humans descended from Adam and Eve.
- Other Christians believe it is metaphorical; that God may be responsible for the Big Bang and for starting the process of evolution. They would say that the Bible story is not necessarily scientifically accurate. It has a symbolic truth.
- They view Genesis as more of a parable, or a symbolic description. They acknowledge God as the creator, but are open up to other theories about how God made the universe.





The creation story can help Christians to further understand God's nature. God is eternal and transcendent, as he made time and was present prior to it. He is omnipotent as he created the universe through words. God's benevolence can be seen through creation too, as he brought mankind to life and gave them the world.

# Year 9 RE: Christianity and Creation

# **Different Interpretations of the Creation Story**

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# Year 9 RE: Islam

Islam was founded in the 7<sup>th</sup> Century.

It shares some ideas with Judaism and Christianity.

Follows of Islam are called Muslims.

Muslims believe in one God, Allah.

The main holy book for Muslims is the Qur'an.

Muslims also follow the sunnah (the way) and the teachings of the Prophet Muhammad.



# The two main branches of Islam are Sunni and Shi'a .

Main Differences	Sunni	Shi'a
Leadership	Believe the Prophet's best friend, Abu Bakr, should be the caliph (successor) after the Prophet's death.	Believe the caliph should be related to the Prophet Muhammad and that Muhammad named his cousin, Ali, to be the next caliph following his death.
Beliefs	Their main beliefs are known as the Six Beliefs or Six Articles of Faith	Their main beliefs are known as the Five Articles of Faith or Five Roots. 139

# Year 9 RE: Islam

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Main Differences	Sunni	Shi'a
Leadership		
Beliefs		140

# Science



Helping every person achieve things they never thought they could.











# Year 9 Science: The pH scale and neutralisation

Acid name	Salt name	Neutralisation	Acids can be neutralised by alkalis	An <b>alkali</b> is a soluble base e.g. metal hydroxide. A <b>base</b> is a substance that neutralises an acid e.g.
Hydrochloric acid	Chloride		and bases	a soluble metal hydroxide or a metal oxide.
Sulfuric acid	Sulfate	sodium hydroxide + hydrochloric acid 🗲 sodium chloride + water		
Nitric acid	Nitrate	calcium carbonate + sulfuric acid → calcium sulfate, + carbon dioxide + water		
Strong and Weak acids				
Strong acids	Completely ionised (conver aqueous solutions e.g. h and sulfuric acids.	ydrochloric, nitric		
Weak acids	and sulfuric acids. Only partially ionised in aqueous solutions e.g. ethanoic acid, citric acid. As the pH decreases by one unit (becoming a stronger acid), the hydrogen ion concentration			of acids
Hydrogen ion concentration	ethanoic acid, citric acid. As the pH decreases by one unit (becoming a stronger acid), the hydrogen ion concentration increases by a factor of 10.			The p neut
Soluble salts	Soluble salts can be made from reacting acids with solid insoluble substances (e.g. metals, metal oxides, hydroxides and carbonates).			se universal indicator or a pH easure the acidity or alkalinity
Production of soluble salts	Add the solid to the dissolves. Filter off ex	cess solid and then		ution against the pH scale.
	crystallise to pro	ation reactions, hydrogen	Acid	Acids produce hydrogen ions (H <sup>+</sup> ) in aqueous solutions.
		with hydroxide ions to	Alka	lis Aqueous solutions of alkalis contain hydroxide ions (OH <sup>-</sup> ).

# Year 9 Science: The pH scale and neutralisation

