

Year 9 Knowledge Organiser Term 1 2023/2024

**Aspiration Creativity Character** 

# Knowledge Organiser - Guidance

- You must bring your Knowledge Planner to school every day in your school bag.
- You should place your Knowledge Planner on your desk at the start of every lesson so that you can refer to it when instructed by your teacher.
- If you lose your Knowledge Planner, you will need to purchase a replacement one from Student Services.
- In the Study Centre, you will use your Knowledge Planner to study the relevant subject's Knowledge Organiser and <u>learn</u> the information provided.
- Use your blue exercise book to make notes to help revise and learn the information provided in each Knowledge Organiser.

# KS3 Knowledge Organiser - Contents

TERM 1	<b>1</b>
Art	2
Biology	4
Chemistry	
Computer Science	
Cooking & Nutrition	
Drama	
DT	
English	21
Geography	
History	
Maths	
Music	28
PE	29
Physics	
RE	32
Spanish Foundation	
Spanish Higher	<mark>36</mark>
Literacy Knowledge Organiser	38

KS3 Knowledge Organiser

Haggerston School



**Haggerston School KS3 Knowledge Organiser** 

# **ANDY WARHOL**

1928 - 1987





## American Artist

Andy Warhol was the leading artist of pop art, obsessed with celebrity, consumer culture and mechanical reproduction and silk-screen printing.

He stated: ""Art is what you can get away with" and "everyone will be famous for 15 minutes".

He was known as a social radical and creative melting pot. Warhol was a Ruthenian Catholic and volunteered at homeless shelters in New York City.

Warhol's brother described the artist as "really religious, but he didn't want people to know about that because it was private".

## Periods

Contemporary, Pop Art, Consumerism

## Influences

Marcel Duchamp, Truman Capote, Jasper Johns, Tom of Finland, Ben Shan, Jack

## **Famous Works**

- · Campbell's Soup Cans (1962)
- Green Coca Cola Bottles (1962)
- Triple Elvis (1963)
- Shot Marylins (1964))
- · Prince (1984)
- · Race Riot (1964)

## **Self Quiz:**

- What are the characteristics of Pop-Art?
- What were the common subjects of Pop artists?

The Pop Art movement began in the early 1960's as a way to appeal to the masses. Pop artists believed that art had become too individualized and hard to understand, so they used common everyday objects that people would easily recognize. In Pop Art we see subject matter taken right from American popular culture like soup cans, celebrities, hamburgers, and coke bottles.

The movement forced people to notice the

beauty of the ordinary things around them that they tended to take for granted. Images were often large and with shiny bold colors that were impossible to ignore.

Roy Lichtenstein was a well-known Pop artist who created blown up images from old comic books. Originally trained as a commercial artist, Lichtenstein's paintings mimicked techniques and processes used in the mass production of prints. His paintings are composed of bold outlines, lots of primary colors, and millions of Benday dots. (Benday dots are named for an American printer named Benjamin Day. Benday

dots are in all printed images, but are usually too small to be seen by the naked eye.)

Two things that Lichtenstein frequently portraved in his artwork were the mindless violence and stereotyped romance in comic book imagery.

Simple, crisp lines

Bright Colors

Oversized images or objects

Collages of popular images

Brand Names and products

Iconic Figures

Stylistically pop art can be defined as:

Some work re-creates the same subject in

several pieces or within the same piece

Common, everyday household items

Often reflects and copies the styles seen in the media

Subjects are often easily recognizable and reflect

popular items, people or ideas from American Culture:





## Practical application of art history:

- Using the grid method accurately re-create the artwork by A.Warhol and R.Lichtenstein.
- Create a drawing of objects(water bottle, planner, books, chairs, etc.) or people around you using Benday dots and black lines only (in the style of Lichtenstein)...
- Can you create a portrait in the style of A.Warhol (use colour, e.g. green and red pens, felt tips, marker pens)?
- Write in full sentences WWW and FBI.





# **EMORY DOUGLAS**

Born 1943





As the art director, designer, and main illustrator for *The Black Panther*, Douglas created images that became icons, representing black American struggles during the 1960s and 1970s.

He developed the iconic images that branded the Black Panther Party, a group organising social programmes and challenging police brutality. Douglas created graphics including imagery based on the Party's 10-Point program, including things such as social services and decent housing for black Americans.

He continues to create work today focusing on children and education.

"After a while it flashed on me that you have to draw in a way that even a child can understand [in order] to reach your broadest audience without losing the substance or insight of what is represented."



## **Self Quiz:**

- 1. What are the main characteristics of Pop-Art?
- 2. What were the common subjects of Pop artists?
- 3. How is the artwork of Emory Douglas similar? Stylistically?





This close up of the **benday dot** detail—a technique used for mass-produced printing to give the illusion of block colour. Layering the dots closer or further apart gives the illusion of shading

This example also show Lichtenstein's signature simple yet bold outlines.



The Pop Art movement began in the early 1960s as a way to create 'Art for all'. Pop artists believed that art had become too hard to understand, so they used common everyday objects that people would easily recognise. In Pop Art we see subject matter taken right from American popular culture like soup cans. celebrities and coke bottles.

The movement forced people to notice the beauty of the ordinary things around them that they tended to take for granted. Images were often large and used bold colours that were impossible to ignore.



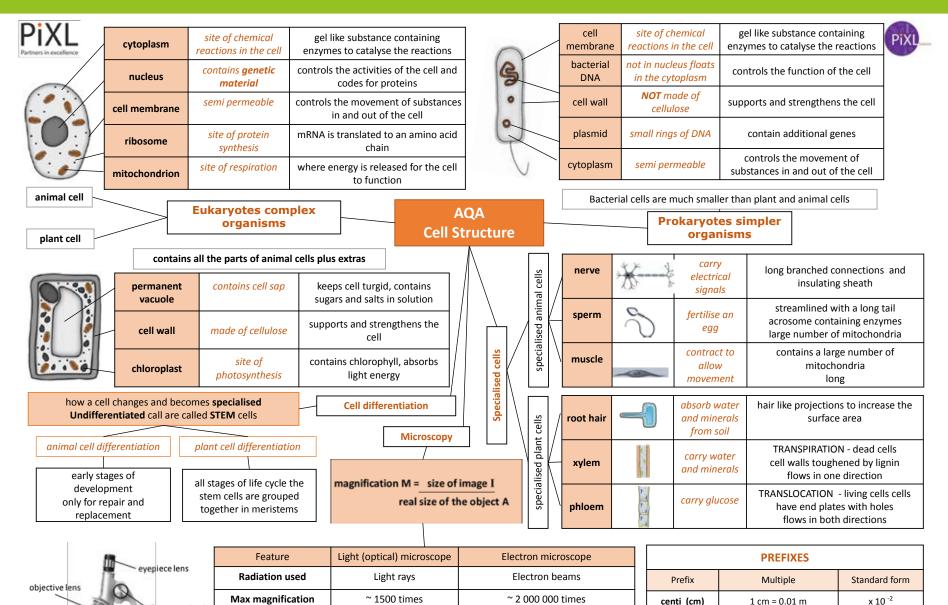
Roy Lichtenstein was a well-known Pop artist who created blown up images from old comic books. Originally trained as a commercial artist, Lichtenstein's paintings mimicked techniques and processes used in the mass production of prints. His paintings composed of bold outlines, lots of primary colours and millions of Benday dots. (Benday dots are named after an American printer named Benjamin Day). Benday dots in in all printed images, but are usually too small to be seen by the naked eye). Other artists like Andy Warhol focused on screen printing and mass producing images of celebrities like Marilyn Monroe.

## Stylistically Pop Art can be defined as:

- ★ Simple, crisp lines
- ★ Oversized images or objects
- ★ Often reflects and copies the styles seen in the media
- ★ Collages of popular images
- ★ Bright Colours
- Repetition of the same subject in several pieces or in the same artwork
- ★ Subjects are easily recognisable and reflect popular items, brands or ideas from popular culture such as: food, brand names, celebrities, everyday household items, current events, news stories

## Practical application of art history:

- Using the grid method accurately re-create the artworks by E. Douglas, A.Warhol and R.Lichtenstein.
- Create a drawing of objects (water bottle, planner, books, chairs, etc.) or people around you using Benday dots and black lines only (in the style of Lichtenstein)
- Can you create a portrait in the style of E. Douglas (bright background and a pencil portrait)?
- 4. Write in full sentences WWW and EBI.



better hope – brighter future

200nm

Small and portable

~£100 for a school one

0.2nm

Very large and not portable

Several £100,000 to £1 million plus

x 10 <sup>-3</sup>

x 10 <sup>-6</sup>

x 10 -9

1 mm = 0.001 m

 $1 \mu m = 0.000 001 m$ 

1nm = 0.000 000 001 m

milli (mm)

micro (µm)

nano (nm)

Resolution

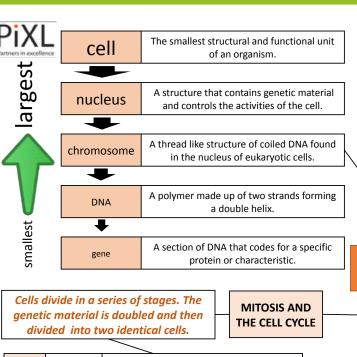
Size of microscope

Cost

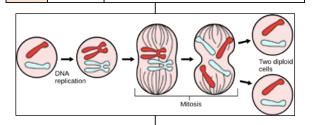
focusing wheel

stage

light source



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



Mitosis occurs during growth, repair, replacement of cells.

Asexual reproduction occurs by mitosis in both plants

& simple animals.

	Small intestines	Villi – increase surface area, Good blood supply – to maintain concentration gradient, Thin membranes – short diffusion distance.			
	Lungs	Alveoli– increase surface area, Good blood supply – to maintain concentration gradient, Thin membranes – short diffusion distance.			
	Gills in fish	Gill filaments and lamella – increase surface area, Good blood supply – to maintain concentration gradient, Thin membranes – short diffusion distance.			
	Roots	Root hair cells - increase surface area.			
	Leaves  Large surface area, thin leaves for short diffusion path, stomata on the loss surface to let O <sub>2</sub> and CO <sub>2</sub> in and out.				
\					

ADAPTATIONS FOR DIFFUSSION

≘.

The greater the difference in concentrations the faster the rate of diffusion.

AQA Cell Biology 2

Cell division

STEM CELLS

Undifferentiated cell of

an organism

Divides to form more cells of the same type, and can differentiate to form many other cell types.

Diffusion
No energy required

Movement of particles in a solution or gas from a higher to a lower concentration

Osmosis
No energy required

Movement of water from a dilute solution to a more concentrated solution

Active transport from a dilute solution to a more required concentrated solution

 ${\rm E.g.~O_2}$  and  ${\rm CO_2}$  in gas exchange, urea in kidneys. Factors that affect the rate are concentration, temperature and surface area.

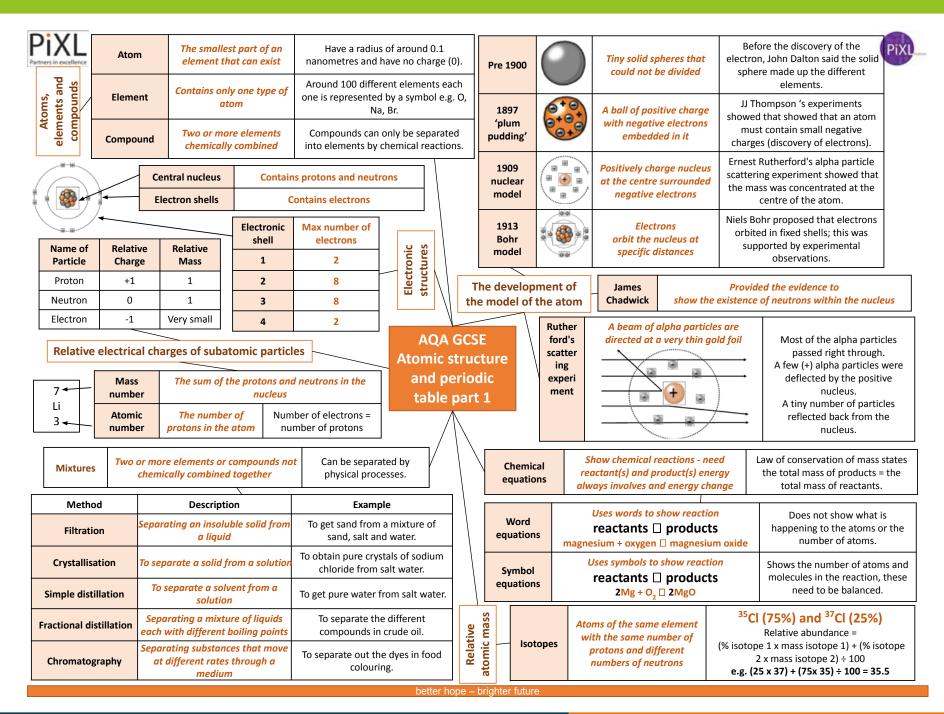
E.g. Plants absorb water from the soil by osmosis through their root hair cells. Plants use water for several vital processes including photosynthesis and transporting minerals.

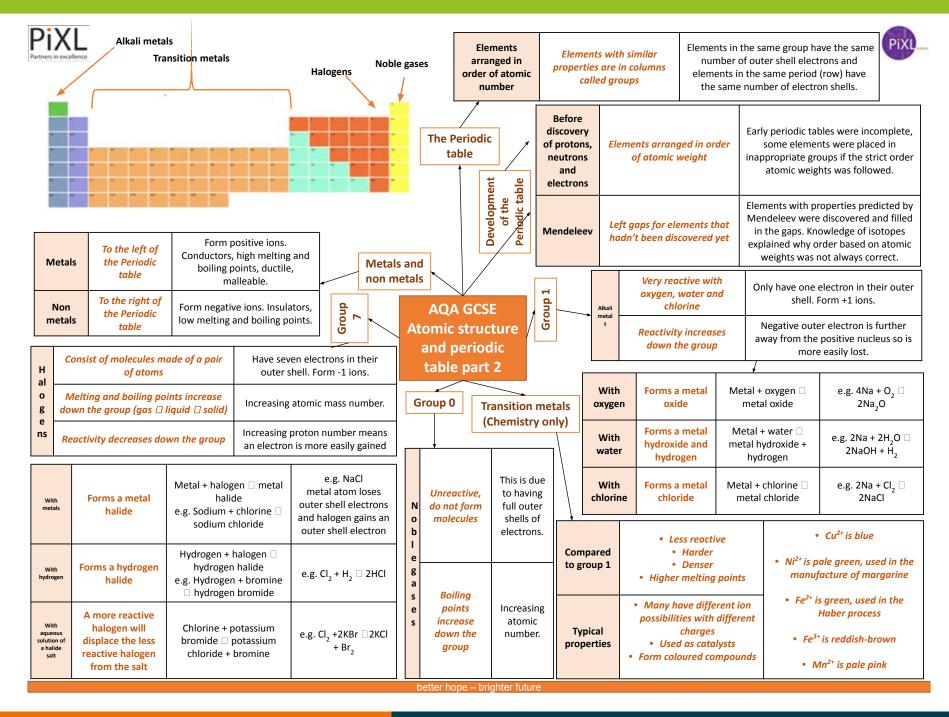
E.g. movement of mineral ions into roots of plants and the movement of glucose into the small intestines.

Human Embryonic stem cells	Can be cloned and made to differentiate into most cell types	Therapeutic cloning uses same genes so the body does not reject the tissue. Can be a risk of infection	
Adult bone marrow stem cells	Can form many types of human cells e.g. blood cells	Tissue is matched to avoid rejection, risk of infection. Only a few types of cells can be formed.	
Meristems (plants)	Can differentiate into any plant cell type throughout the life of the pant.	Used to produce clones quickly and economically, e.g. rare species, crop plants with pest /disease resisitance	

Treatment with stem cells may be able to help conditions such as diabetes and paralysis. Some people object to the use of stem cells on ethical or religious grounds

better hope – brighter future





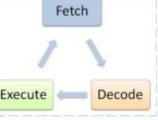
# 1.1 SYSTEMS ARCHITECTURE

## KEY CONCEPTS

- Computer systems take data (input), process it and then output it.
- Embedded systems are computers built in to other devices like washing machines. They are dedicated to a single task so they are efficient.
- Clock speed: the number of instructions a processor can carry out per/second. Higher clock speed = faster CPU.
- Number of Cores: The more cores a CPU has the more instructions it can carry out at once (multitasking). More cores = faster processing.
- Cache size: A larger cache gives the CPU faster access to more data

## FETCH - DECODE - EXECUTE CYCLE

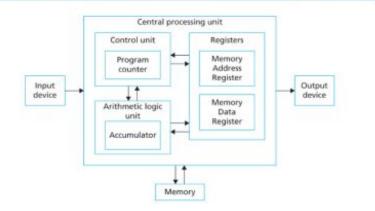
CPU fetches instruction from the RAM (Copies memory address to MAR, copies Instruction to MDR & adds 1 to PC. CU decodes the instruction from the MDR Instruction is executed by the CU The next instructions is fetched and The cycle repeats.



## **EXAM QUESTIONS**

- Explain how cache size, cores and clock speed affect the performance of the CPU.
- 2. Define what is meant by an embedded system
- 3. What is the purpose of the ALU?
- 4. Explain the role of the CPU registers (MAR and MDR)
- 5. Explain how the fetch decode execute cycle works

## THE CENTRAL PROCESSING UNIT (CPU)



Control Unit (CU): executes instructions and controls the flow of data in the CPU.

Program counter: holds the memory address for the instruction of each cycle.

Arithmetic Logic Unit (ALU): does all of the calculations and logic operations.

Accumulator: holds the result of any calculations in the ALU.

Cache: very fast memory that stores regularly used data so that the CPU can access it quickly.

MAR (Memory Address Register): holds the address about to be used by the CPU.

MDR (Memory Data Register): holds the actual data or instruction being processed by the CPU.

# 1.2 MEMORY and 1.3 STORAGE

## RANDOM ACCESS MEMORY (RAM)

- RAM is the computer's main memory that holds the data, programs and files while they are being used.
- RAM is volatile (power off = the data is lost)
- The CPU will fetch instructions from the RAM in the fetch decode – execute cycle.
- When the RAM is full the computer uses VIRTUAL MEMORY. It uses the secondary storage as temporary RAM so that the computer can continue running (but slowly).

## READ ONLY MEMORY (ROM)

- > The ROM is on a chip build into the motherboard
- > It contains the BIOS (boot up sequence for the computer)
- ROM is non-volatile (data still stored after power is off)

## TYPES OF STORAGE

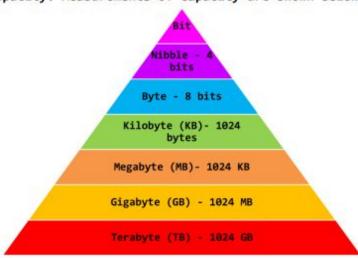
Secondary Storage: where all data including the programs are stored when they are not being used.

Storage	Key Information		
Hard Disk Drive (HDD)	Magnetic, has moving parts, large capacity, lower cost than SSD		
Solid State Drive (SSD)	Flash memory, no moving parts, more robust than HDD, faster and more expensive than HDD		
Flash memory	e.g. USB memory sticks, memory cards.		
Optical Storage	e.g. CDs, DVDs. Cheap, portable and fairly robust.		
Magnetic tape	Used for archive storage (backups). Very large capacity, low cost, slow.		

Storage device comparison factors: speed, cost, durability, robustness, capacity and portability.

## STORAGE CAPACITY

Some storage methods such as a HDD or SSD have a large capacity (they can store lots of data. Other devices such as CDs and SD cards have smaller capacity. Measurements of capacity are shown below:



1000 instead of 1024 could be used when doing your conversion calculations, because you will not be allowed a calculator in your exam.

## **EXAM QUESTIONS**

- Explain how the RAM works with the CPU in the fetch -decode - execute cycle
- Explain the difference between volatile and nonvolatile memory giving an example of each
- Tom is buying a new laptop, he is not sure whether to get a magnetic HDD or SSD. Discuss the benefits and drawbacks of each.

# 2.2 PROGRAMMING TECHNIQUES

## DATA TYPES

Data Type	Definition	
String	Text eg: "Hello"	
Integer	Whole number eg: 32	
Float/Real	Decimal number eg: 1.2	
Boolean	Two values eg: true or false	
Character	A single character eg: b	

## VARIABLES AND CONSTANTS

Variable - A value which may change while the program is running. Variables can be local or global.

Local Variable - a variable which can
only be used within the structure they
are declared in.

Global Variable - a variable which can be used in any part of the code after they are declared

Constant - A value which cannot be altered as the program is running.

## **OPERATORS**

Operator/Function	Definition		
Exponentiation Raises a number to a power eg: 2**3 OR			
Quotient/DIV	Gives the whole number after a division		
Remainder/MOD	Gives the remainder part of a division		
==	Is equal to		
! or <>	Is not equal to		
<	Is less than		
>	Is more than		

# ARRAYS

One-Dimensional Arrays- this is like a list. In this example an array has been created called students. The list can hold 3 items (as shown).

This command would print the second item (1) From the array. It would print "Dave".

array students [3] students [0] = "Bob" students [1] = "Dave" students [2] = "Bob"

print(students[1])

Two-Dimensional Arrays - these are lists within lists (like a table)

Grades=[["Bob", "22%", "44%"], ["Dave", "85%", "100%"]]

The code above creates the 2D array. The code Below would output:

"Bob's first test score was 22%"

0 1 2 0 Bob 22% 44% 1 Dave 85% 100%

print("Bob's first test score was " + Grades [0, 1]

# 2.2 PROGRAMMING TECHNIQUES CONTINUED

## PROGRAMMING CONSTRUCTS



A Sequence is when there are programming steps that are carried out one after another.



Selection is where there are different paths in your code eg: IF, ELIF, ELSE



Iteration is when there is repetition (loops) in code. This could be a WHILE loop (do something WHILE a condition is met) or a FOR loop (do something for a set number of times)

This count-controlled loop would print "Hello World" 8 times.:

for i=0 to 7
print ("Hello")
next i

These condition controlled loops would check if a password's correct:

while answer != "letmein123"
 answer=input("Enter password")
endwhile

do

answer=input("Enter password")
until answer=="letmein123"

## STRING MANIPULATION

0 1 2 3 W o r d The characters in a string are numbered starting with position  $\theta$ .

Function	Purpose		
x.length	Gives the length of the string		
x.upper	Changes the characters in the string to upper case		
x.lower	Changes the characters in the string to lower case		
x[i]	Gives the character in position i. Eg: x[2] = "r"		
x.substring(a,b)	Gives the characters from position a with length b.		
	<pre>Eg: x.subString(1,2) = or</pre>		
+	Joins (concatenates) two strings together		

## FILE HANDLING

Myfile=openRead("myfile.text")	Opens the file in read mode
Myfile=openWrite("myfile.text")	Opens the file in write mode
Myfile.writeLine ("Hello")	Writes a line to the file
Line1=myfile.readLine()	Reads one line of the file
Myfile.close()	Closes the file
endOfFile()	Used to determine the end of a file

## IF/ELSE AND SWITCH/CASE FOR SELECTION

IF ELSE	SWITCH/CASE	
<pre>If choice == "a" then     print("You chose A") elseif choice=="b" then     print("You chose B") else     print("Unrecognised choice")</pre>	Switch entry:     case "A":         print("You chose A")     case "B":         print("You chose B")     default:         print("Unrecognised choice")	

# Beginner's Python Cheat Sheet

## Variables and Strings

Variables are used to store values. A string is a series of characters, surrounded by single or double quotes.

## Hello world

```
print("Hello world!")
```

## Hello world with a variable

```
msg = "Hello world!"
print(msg)
```

## Concatenation (combining strings)

```
first_name = 'albert'
last_name = 'einstein'
full_name = first_name + ' ' + last_name
print(full name)
```

## Lists

A list stores a series of items in a particular order. You access items using an index, or within a loop.

## Make a list

```
bikes = ['trek', 'redline', 'giant']
```

## Get the first item in a list

first\_bike = bikes[0]

## Get the last item in a list

last\_bike = bikes[-1]

## Looping through a list

for bike in bikes: print(bike)

## Adding items to a list

```
bikes = []
bikes.append('trek')
bikes.append('redline')
bikes.append('giant')
```

## Making numerical lists

```
squares = []
for x in range(1, 11):
    squares.append(x**2)
```

## Lists (cont.)

## List comprehensions

```
squares = [x**2 for x in range(1, 11)]
```

## Slicing a list

```
finishers = ['sam', 'bob', 'ada', 'bea']
first_two = finishers[:2]
```

## Copying a list

```
copy_of_bikes = bikes[:]
```

## Tuples

Tuples are similar to lists, but the items in a tuple can't be modified

## Making a tuple

```
dimensions = (1920, 1080)
```

## If statements

If statements are used to test for particular conditions and respond appropriately.

## Conditional tests

## Conditional test with lists

```
'trek' in bikes
'surly' not in bikes
```

## Assigning boolean values

```
game_active = True
can_edit = False
```

## A simple if test

```
if age >= 18:
    print("You can vote!")
```

## If-elif-else statements

```
if age < 4:
    ticket_price = 0
elif age < 18:
    ticket_price = 10
else:
    ticket_price = 15</pre>
```

## **Dictionaries**

Dictionaries store connections between pieces of information. Each item in a dictionary is a key-value pair.

## A simple dictionary

```
alien = {'color': 'green', 'points': 5}
```

## Accessing a value

```
print("The alien's color is " + alien['color'])
```

## Adding a new key-value pair

```
alien['x position'] = 0
```

## Looping through all key-value pairs

```
fav_numbers = {'eric': 17, 'ever': 4}
for name, number in fav_numbers.items():
    print(name + ' loves ' + str(number))
```

## Looping through all keys

```
fav_numbers = {'eric': 17, 'ever': 4}
for name in fav_numbers.keys():
    print(name + ' loves a number')
```

## Looping through all the values

```
fav_numbers = {'eric': 17, 'ever': 4}
for number in fav_numbers.values():
    print(str(number) + ' is a favorite')
```

## User input

Your programs can prompt the user for input. All input is stored as a string.

## Prompting for a value

```
name = input("What's your name? ")
print("Hello, " + name + "!")
```

## Prompting for numerical input

```
age = input("How old are you? ")
age = int(age)

pi = input("What's the value of pi? ")
pi = float(pi)
```

# **Python Crash Course**

Covers Python 3 and Python 2

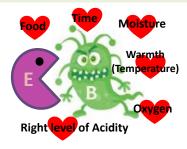


nostarchpress.com/pythoncrashcourse

# **Cooking & Nutrition**

## **Food Spoilage**

When a food deteriorates in quality or becomes unsafe to eat it is called **spoiled.** This can happen through natural **decay** caused by **enzymes** or **bacterial contamination**. Both **enzymes** and **bacteria** need the right **conditions** to work. If these conditions are changed then the rate of food spoilage will change. Speeding up if in excess or slowing down if reduced.



When foods become spoiled they change texture, shape, taste and their aroma will become more pungent. Strawberries will become very soft, furry, they may start to grow fur, shrink in size whereas bread becomes dry and starts to grow mould



Above: **Conditions** needed to

cause

Food Spoilage (FAT-TOM)

Enzymes: Biological catalysts in living things that speed up chemical reactions. Depending on the circumstance the chemical reaction could start the process of decay, ripening and also browning\*.

**Bacteria:** pathogenic microorganism that can cause illness if consumed.





\*Enzymic Browning: The discolouration (browning) in fruit and veg due to the reaction of enzymes with cut flesh (e.g half an apple) and oxygen.

Consider where would you store vegetables to make them last longer?

**Food Poisoning:** an illness that is caused by consuming food or water that has been contaminated by specific **pathogenic bacteria** (examples of which are below)

**Campylobacter:** found in raw poultry and meat, milk and untreated dirty water **E. Coli: found in** beef (especially mince beef) raw milk (milk that has not been heat treated), dirty water.

**Salmonella:** found in raw and undercooked poultry, eggs and raw milk **Listeria:** soft cheeses, cheese made from unpasteurised milk, salad vegetables and pates **Staphylococcus Aureus:** found on people (especially on hands, nose, mouth, skin, in cuts and skin infections), raw milk, cold cooked meats and dairy products

**Contamination:** The transfer and subsequent presence of harmful bacteria or chemicals in food or preparation area. There are 4 types of contamination:



**Biological Contamination:** Any transfer of bacteria from human, animal or food to food or preparation area. Including sneezing, coughing, blood, pus/transfer of bacteria from animal to their food product -meat, eggs, milk/transfer of bacteria from unclean hands

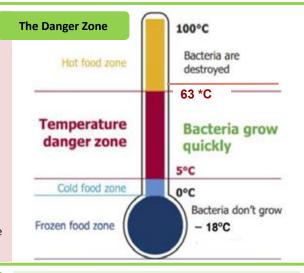
**Cross contamination:** is an example of biological contamination, it refers to the transfer of bacteria from raw meat to ready to eat foods

**Physical Contamination:** when a tangible object (you can see or feel) falls into food eg. hair, finger nails, plasters, plastic, dirt. Physical contaminants can act as vehicles to transfer of bacteria

**Chemical Contamination:** any transfer of chemicals eg, bleach, pesticides, cleaning product and perfume.

- The temperature danger zone is between 5\*C and 63\*C, when it is easiest for harmful bacteria to grow in food

- Minimise the time that food spends at these temperatures in order to keep food safe
- -Refrigerated food needs to be kept at 5\*C of below
- Hot food needs to be kept at 63\*C of above



## **High Risk Foods**



**High Risk Foods** are foods that have the idea conditions for the growth of bacteria. They often are high in protein and moisture. Preventing **cross contamination** is especially important when using high risk foods.

NB: The risk is reduced when food is cooked thoroughly however can return unless consumed or stored correctly. Think FAT-TOM!

## **Food Science: Carbohydrates in Cooking**

## Dextrinization



When dry (toaster, oven, grill) heat is applied to a starchy food (bread/pizza dough, cake, biscuit), the starch molecules are broken down into sugars called dextrins. This is called **Dextrinization.** The dextrins change the colour (brown) and taste of the food. If the food is overcooked the **starch** turns to **carbon** 

## Gelatinisation



The absorption of water by starchy Foods causing the volume to increase (and becomes softer in texture) eg. Pasta and potatoes. This is known as Bulking.

## **Bulking**

When flour and water are mixed

kneading, gluten is stretched and

gluten is formed. Through



When starch molecules are heated and surrounded by a liquid (like milk) they begin to absorb the liquid, eventually bursting and thickening. This is called

## Gelatinisation.

Potatoes are used to thicken soups, cornflour or flour for sauces eg. Cheese sauce, gravy, custard the dough is more elastic. It also creates gluten networks which trap CO2 released by the yeast.



When dry heat reacts with sugar it caramelizes causing a sweeten taste and some change in colour.



Viscosity refers to the flow and thickness of a sauce. The viscosity will be determined by the amount of starch, liquid & level of heat. Using a ratios will help to balance the ingredients

## Food in the Wider World: Food Wastage

Minimising food waste not only saves the consumer money but also reduces the impact on the environment.

## Ways to reduce food waste:

- Plan meals in advance
- Use a shopping list when buying food
- Freeze any leftovers
- Use leftovers in other dishes
- Understand the difference between best before dates and use by dates so to ensure food is eaten in time

Packaging also should be considered to reduce wastage eg. buying food with minimal packaging or packaging that can be easily recycled

Rather than putting old (not spoiled) food in the bin, it can be reused in other dishes for instance 'bendy' veg could be used in a stew or soup.

Leftovers can also be saved to make other meals for instance the beef ragu from a bolognese could be used to make a cottage pie or lasagne. Again not wasting food!





## **Nutrition & Malnutrition**

Food provides your body with the nutrients it needs to work.

Malnutrition is a serious condition that happens when your diet does not contain the right amount of nutrients, this could be too few or too many. Somebody who suffers from malnutrition is malnourished.

Too many nutrients consumed through too much food can result







Too little protein (macronutrient) can result in the condition Kwashiorkor and too little vitamin C (micronutrient)

	Nutrient	Function
: nounts	Carbohydrates Bread, Pasta, Potatoes, Rice, Cereals	-Broken into Starch and Sugar -Starch foods are called complex carbohydrates and release energy over a long period of timeSugar are called simple carbohydrate. They release energy quickly. Lactose, Fructose and Sucrose are all Sugars.
UTRIENTS dy in large ar	Fibre Whole grain products, skins of fruit & veg	-Prevents constipation -Absorbs poisonous waste from digestive food -Stays undigested but helps move digested food through our system
MACRONUTRIENTS: eded by the body in large amounts	Protein Meat, Diary, Eggs, Beans, Chickpeas	-Helps repair and grow new cells (muscles and body tissue) -Acts a secondary source of energy
ě	Fat	-Insulates the body from the cold

Fat Insulates the body from the cold Dairy, Meat, Oily -Cushions your bones and organs from any damage caused by knocks. Fish, Avocados, Olive Oil -Stores energy



-Turn the food we eat into energy Fruit, Veg, Meat Build strong bones and teeth Control body fluids





-Our bodies are 65% water. It is vital for our body to stay -Chemical reactions in our cells take place in water.

-Waste products are passed out of our bodies in water. -Our blood transports substances that are dissolved in water. Water is in sweat that cools us down

## Genre

## **Key Definitions**

**Genre** is a category or 'type' given to plays based upon the conventions used e.g. tragedy, comedy, farce and melodrama.

Conventions are the expected features of a particular genre.

**The medium** is how something is communicated e.g. TV, film, theatre, literature.



Set in America in later half of 19th century.

Stock characters include cowboys/Indians/Sheriff/outlaws.

Locations include the saloon bar/the desert/the jail.

The shoot out: quick draw.

The stranger arriving in town.

Guns/horses/lassos/cowboy hats/American accents.

The role of women in this genre is limited.

Actors famous for this genre include John Wayne and Clint Eastwood.











Greek theatre started in approximately 500BC.

There were three different genres:

Comedy, Tragedy and Satyr.

Other conventions include use of mask.

Originally there was only one actor.

A group of actors who performed in unison called the chorus.

Always performed outside in an amphitheatre.

## Self Quiz: LOOK, COVER, WRITE, CHECK & CORRECT

Can you learn the meanings of the key definitions?

Can you give examples of other genres from all 4 mediums?

Medium	Genre	Example 1	Example 2	Example 3
Theatre	Thriller/	Woman in	An Inspector	
	Suspense	Black	Calls	
TV	Soap Opera	Coronation	Eastenders	
		Street		
Film	Sci-Fi	Star Wars	Star Trek	
Literature	Gothic	Jane Eyre	Frankenstein	

# DRAMA

## Doctor Jekyll

## Self-Quiz - Look, Cover, Write, Check, Correct

Look and learn these characteristics and quotes about Doctor Jekyll

Well-liked Distinguished

Smart and presentable Kind
Respectable Gentleman
Educated Reputable

Moral Intelligent

Embodies virtue Honourable

"A large, well-made, smooth-faced man of fifty, with something of a stylish cast perhaps, but every mark of capacity and kindness"

"Fond of the respect of the wise and good among my fellow men"

"I concealed my pleasures"

## Mr Hyde

## Self-Quiz-Look, Cover, Write, Check, Correct

Look and learn these characteristics and quotes about Mr Hyde

Ugly Countenance of evil

Centred on self Deformed

Decay Intimidating

Villainous Awkward

Beast in man Deprayed

Hissing and snarling Animalistic

Speaks in short sentences Embodies evil

"Stumping along"

"Black sneering coolness"

"He spoke with a husky whispering and somewhat broken voice"

"He gave me one look, so ugly that it brought out a sweat on me"

"Abnormal and misbegotten in the very essence of the creature who now

faced me – something seizing, surprising and revolting."

Doctor Jekyll and Mr Hyde is a novel written by Robert Louis Stevenson.

In 1866 during the **Victorian era**. It is a story about a respectable doctor who drinks a potion to transform himself into a savage murderer.



## Victorian Values

In the Victorian era, people were born into a social position/class and this determined their personality/character.

Upper class men were expected to be 'gentlemen'. This meant they were expected to dress, speak and eat in a particular way. They had to abide by the law, and follow religious morals.

## Main Theme

The duality of man "man is not truly one, but truly two".

## Sentence Stems

Use the sentence stems to describe how you would show the transformation of Dr Jekyll into Mr Hyde.

What does his transformation symbolise?

When we/I/they describe the drama.

This effectively communicates explain how it links to the intentions to the audience.

Flocking is choral movement by a group of performers. There are examples of flocking below:





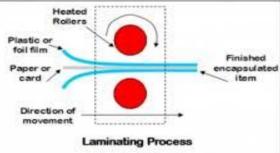




# **MATERIALS - PAPERS and BOARDS and their PROPERTIES**

PAPERS		
USES	PHYSICAL and WORKING PROPERTIES	ADVANTAGES and DISADVANTAGES
Layout Paper - for tracing design ideas to develop them further	Smooth finish and some transparency, able to see the image or drawing underneath to further develop a sketch.	Strong, low cost but can smudge if altering a drawing with eraser
Copier Paper - for inkjet printing, photocopying	White or coloured with a smooth finish, lightweight and inexpensive in bulk	Readily available and can be printed on easily but not strong and lacks quality
Tracing Paper - for tracing images to copy them	Smooth finish and very transparent, easy to see the image and trace	All sizes readily available but can be expensive for better quality types
Recycled Paper - for toilet paper, paper towels, paper bags	Rough surface, grainy and flexible, can be printed on and coloured	Benefits to the environment and inexpensive but not very strong

BOARDS		
USES	PHYSICAL and WORKING PROPERTIES	ADVANTAGES and DISADVANTAGES
Mounting Board - for mounting work and pictures, model making	Coloured surface with white board behind, thick, strong and lightweight	Good quality and available in many colours, but expensive and does not bend easily
Folding Boxboard - for food box packaging	Good printing surface, can be scored, bent and creased easily	Relatively inexpensive but not very strong
Corrugated Board - for packaging boxes, the protection of parcels	Layered card with crimped structure inside, good strength with the option of different thicknesses	Readily available with good impact resistance, but bends easily in one direction and is not water resistant



## THE FIVE MATERIAL AREAS

Papers and Boards
Timbers and Manufactured
Boards
Thermoforming and
Thermosetting Plastics
Metals
Natural and Synthetic Fabrics
and Fibres

PHYSICAL	PROPERTIES
Absorbency	The ability of a material to be heated and joined to another material when heated, eg webbing is fusible and can be ironed onto fabrics.
Density	The ability to conduct heat, eg steel is a good heat conductor, whereas pine is not.
Electrical Conductivity	The ability to soak up moisture, light or heat, eg natural materials (such as cotton or paper) tend to be more absorbent than man-made materials (such as acrylic or polystyrene).
Fusibility	How solid a material is. This is measured by dividing mass (grams) by volume (cm³), eg lead is a dense material.
Thermal Conductivity	The ability to conduct electricity, eg copper is a good conductor of electricity.

WORKING	WORKING PROPERTIES							
Strength	Being able to bend or shape easily would make a material easily malleable, eg sheet metal such as steel or silver is malleable and can be hammered into shape.							
Hardness	The ability to be stretched and then return to its original shape, eg elastane in swimming costumes is a highly elastic material.							
Toughness	Materials that can be stretched are ductile, eg pulling copper into wire shows it is ductile.							
Malleability	Materials that are hard to break or snap are tough and can absorb shock, eg Kevlar in bulletproof vests is a very tough material.							
Ductility	The ability of a material to withstand compression, tension and shear, eg in woven fabrics cotton isn't as strong as wool when pulled.							

Size	A10	89	AE	A7	16	AS	A4	A3	A2	AB	A0	2A0	4AD
Length (mm)	37	52	74	105	148	210	297	420	594	841	1189	1682	2378
Width (mm)	26	37	52	74	105	148	210	297	420	594	841	1189	1682

most common sizes used by designers

## Social and Ecological Issues

A great number of trees have to be cut down in order to manufacture 'virgin' paper.

Paper and board can only be recycled seven times before it has to be mixed with new fibres. It is important to **recycle** paper and boards as this will have less impact on the environment through factors such as deforestation, which can then lead to soil erosion.

<u>Deforestation</u> has a huge effect on the ecosystem and the people and specific breeds of animals that rely on them, affecting the <u>biodiversity</u>.

**Design Context** - Situation that creates opportunities for design.

**Design Brief** - An instruction from a client to a designer. A short statement of intention. **Stakeholders** - Anyone interested in, connected to, involved with or affected by a design situation.

**Primary User** - The person who will need and use the product the most. The person with the greatest design need.

**Design Specification** - A list/set of design requirements that come researching the needs of stakeholders or primary users.



# Pulp and Paper Manufacturing Process



**Pulp and Paper Industry** 



## **Tools and Equipment**

Craft Knives, Safety Rulers, Cutting Maps, Masking Tape, Paper Fasteners.

# DESIGN CONSIDERATIONS

- Cost
- Availability
- Aesthetic
- Functionality
- Environmental
- Social
- Cultural
- Ethical

# **Sources and Origins**

Paper is made from new fibres or <u>recycled</u> material. <u>Wood pulp</u> is obtained by cutting down trees and breaking down the wood. The bark and chippings are then removed and ground down or cooked with chemicals to extract the <u>cellulose</u> fibres. <u>Softwood trees</u> are traditionally used to create wood pulp as the fibres are longer, making stronger paper; some manufacturers plant new trees for each one they chop down.

The pulp is filtered, squeezed, bleached and pounded before other materials, such as chalk or chemicals, are added to change the **opacity** and **absorbency** of the paper. The excess water and chemicals are drained out of the pulp by pushing it through sets of rollers, called **'calenders'**, before being shaken and blown to dry out the fibres. This process is repeated until the pulp is fully dried, and then it is pressed to create a smooth finish.

**mechanical pulp** - by **mechanically grinding** the wood chips down into paper pulp, used for lower grade papers such as newspapers.

**chemical pulp** - uses **chemicals** to reduce the wood chips down and dissolve into cellulose fibres to make the paper pulp, used for higher quality paper.

Additional <u>treatments</u>, or <u>'coatings'</u>, can be added to give the paper different <u>aesthetics</u>.



# Year 9

# **Textiles**

Designing is an intrinsic part of Textiles Design so to help us to do this successfully, there are some key points we should incorporate into the process.

The 5 formal elements of Textiles Design are:

## Colour

Colour is the visual element that has the strongest effect on our emotions. It is the element we use to create mood or atmosphere. Colour psychology is the study of how colors affect perception and behaviour. In design, colour psychology is focused on how colours impact consumers' impressions of a brand and whether or not they persuade consumers to make a purchase or feel a particular way.



Composition refers to the arrangement of design on the page. The term composition means 'putting together,' and can apply to any creative work, from music to drama to photography. To put it simply, it is the act of arranging or putting something together using conscious thought.

## **Pattern**





A pattern is a design in which lines, shapes, forms or colours are repeated. The part that is repeated is called a motif. How complicated a pattern is depends on what is repeated and the way in which it is repeated. Patterns can be regular or irregular. In regular patterns the motif(s) is repeated in a way that is predictable. It could be exactly the same each time, or it could change in a way that is regularly repeated.

## **Texture**



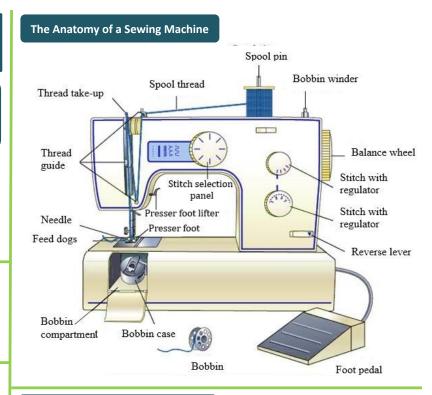


Texture refers to the surface quality of something we can sense through sight and touch. Textures can be rough or smooth, soft or hard. Textures are often *implied*. For instance, a drawing of a rock might *appear* to have a rough and hard surface, but in reality is as smooth as the paper on which it is drawn.

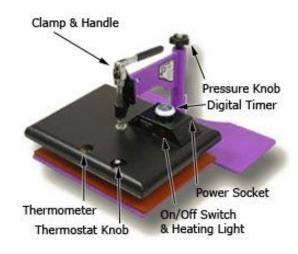
## Scale



Scale refers to the relative size of one object compared to another. Scale can also refer to the size relationships of different visuals within a singular piece of design. When an artist or designer chooses to make particular objects oversized or miniature, it is often to emphasize their importance or encourage a new perspective.



## The Anatomy of a Heat Press



Year 9

# **Textiles**

In Textiles Design we use a range of specialist techniques in order to decorate textiles to make them more aesthetically pleasing and interesting. The information below explains some of the techniques you will explore this year.

## **Embroidery**

Embroidery is the act of decorating fabric or other materials using a needle to apply thread or yarn. Typically embroidery is done by hand using embroidery needles, embroidery floss/thread and an embroidery hoop, however it is becoming more popular to use sewing machines to create designs using a technique called 'free machining'. The use of CAD further enhances the possibilities with specialist sewing machines able to sew designs which have been designed on computers.





## Tie-Dye

Tie-dye is a term used to describe a number of resist dyeing techniques. The process of tie-dye typically consists of folding, twisting, pleating, or crumpling fabric or a garment, before binding with string or rubber bands, followed by the application of dye or dyes. The manipulations of the fabric before the application of dye are called resists, as they partially or completely prevent the applied dye from colouring the fabric.



## Couching

Couching is the art of attaching other fibres to fabric with little stitches. Hemp yarn, ribbon, embroidery thread, cord, raffia or even beaded chains can be attached to fabric with couching stitches. Couching requires two 'threads': a 'Working Thread' which is the thread you use to stitch with and a 'Lay Thread' which is the fibre that quite literally lays down on top of the fabric. The advantage of using couching on your fabric is that you can embellish the fabric with different types of thread / fibres which otherwise would not penetrate the fabric, like thick metallic thread, beaded chains and even wire.



## **Block Printing**

Block printing is a relief printing technique that uses a carved material (typically wood, linoleum, or rubber) to transfer ink onto fabric or paper. The block serves as a kind of stamp, with the final product a mirror image of the carving. It is a technique that can be used for printing text, images or patterns.

Originating in China, it is used widely throughout East Asia.



## Heat Press (bonding, transfer, vinyl)

A Heat Press is a commercial-grade iron that applies both heat and pressure to fabric. It is commonly used in custom t-shirt printing but it is also a very useful tool for other types of decoration.

The different ways in which we use of a heat press in Textile Design range from the application of heat transfer vinyl (HTV) and fabric transfer paint, bonding plastics to fabric as well as a means to create 3D folds, pleating and Shibori.



## Appliqué

Appliqué is a sewing technique whereby pieces of fabric are cut in different shapes and patterns and are then sewn or stuck onto a larger piece; forming a picture, pattern or design. Applique can be produce using either handsewing or using a sewing machine offering a different aesthetic.







ROMEO A	ND JULIET - PLOT		Themes	Subject Vocabulary	Context	
Act 1	In Italy two noble families, the Montagues and Capulets, have much bad blood between them. Romeo, son of old Montague, is in love with Rosaline, who disdains his love. As a result, Romeo		ve Romeo and Juliet have for eachother is passionate ld give anything for it. Likewise it is destructive and	tragedy: a play with an unhappy ending, featuring the downfall of the main character	Courtly Love and cures for lovesickness: common in medieval literature where a knight was consumed with passion for an unattainable noblewoman; Romeo fits this	
	is depressed. To cure him of his love, his friend Benvolio induces him to attend a masked ball at the Capulets, where he could encounter other beauties and forget Rosaline. At the ball, Romeo is attracted		peare conveys the power of fate and the idea that our apped out by God no matter what we do.	oxymoron: two contradictory terms	perfectly. Elizabethan doctors saw unrequited love or desire as a disease, sometimes called lovesickness. They tried	
	by a girl who he learns is Juliet, daughter of the Capulets. They seal their love with a kiss.	and Juliet. Sh	nflict: Conflict rules the characters' lives in Romeo akespeare explores the futility of conflict and	soliloquy: a monologue addressed to oneself	various cures and sometimes sent patients to church to confess to a priest. They believed that it could lead to madness.	
Act 2	Romeo lingers in Capulet's garden, standing in the orchard beneath Juliet's balcony. He sees Juliet leaning over the railing, hears her calling out his	violence.  Gender: Both	Romeo and Juliet are pressured to conform to the	shared sonnet: a sonnet spoken by two people	Arranged marriages: Marriages amongst the wealthy were arranged by parents in order to match or improve social standing.	
	reaning over the railing, nears her calling out his name, and wishes that he were not a Montague. He reveals his presence, and they resolve, after an ardent love scene, to be married secretly.		ender roles of their society. In the play, masculinity is a violence, while women are expected to be	providence: protective care of God	However, in practice, parents did try to choose someone their child liked and was happy to marry. Secret marriages such as	
Act 3	Tybalt encounters Romeo returning from Friar	Romeo Montague	Intense, intelligent, quick witted, and loved by his friends.	patriarchal: society run by men	that between the young Romeo and Juliet would have been both illegal and shocking.	
	Lawrence's cell. Romeo, softened by his newfound love and his marriage to Juliet, refuses to be drawn into a quarrel with Tybalt, now his kinsman by marriage. Mercutio grapples with Tybalt and is killed. Aroused to fury by the death of his friend, Romeo fights with Tybalt and kills him and takes shelter in	Juliet Capulet	Naïve and sheltered at the beginning, develops into a woman with strength. Grounded.	foreshadow: predict a future event	Role of women in a patriarchal society: Elizabethan England was a society	
NE.		Mercutio	Romeo's close friend. Wild, playful and sarcastic	Romeo and Juliet Vocabulary	controlled by men. Women were seen as the weaker sex and were expected to be meek	
	the Friar's cell.	Tybalt	Juliet's cousin. A hothead consumed by issues of family honour. Hates the Montagues.	brawl: a fight	and mild, and most importantly, obedient to their fathers and their husbands.	
Act 4	In despair, Juliet seeks Friar Lawrence's advice. He gives her a sleeping potion, which for a time will cause her to appear dead. Thus, on the day of her	Benvolio	Romeo's cousin, less quick witted than Romeo and Mercutio, tries to keep the peace.	mutiny: open rebellion against authority	Duelling and the concept of honour:  Maintaining the honour of your family name was hugely important. If you were	
	supposed marriage to Paris, she will be carried to the family vault. By the time she awakens, Romeo	Friar Laurence	A Franciscan monk and a friend to both Romeo and Juliet.	unreciprocated: not returned	challenged to a duel and you refused, you would be deemed a coward, thus damaging	
	will be summoned to the vault and take her away to Mantua.		Juliet's best friend and confidante, and in many	feud: a prolonged disagreement	your honour and the status of your family.	
Act 5	The Friar's letter fails to reach Romeo. When he	ways is more her mother than Lady Capulet is.		banish: to send away for good	Most Elizabethan gentlemen carried swords in public and many did fight in the streets.	
MALE	hears of Juliet's death Romeo buys a deadly poison from an apothecary and secretly returns to Verona to say his last farewell to his dead wife and die by her	Prince Escalus	Leader of Verona, concerned with keeping order between the warring families.	duel: contest with deadly weapons	Tragic Hero: A Tragic Hero is the protagonist who has sympathetic traits but	
	side. At Juliet's side, Romeo drinks the poison and dies. When Juliet awakens from her deep sleep, she	Paris	Nobleman given permission to woo Juliet initially, then to marry her after Tybalt's death. Killed by	honour: having high respect	who meets a tragic end. Romeo is considered a tragic hero because he is of	
and the All Co	realises Romeo's error and kills herself with his dagger.The Capulets and Montague decide to		Romeo.	futile: pointless	noble birth, strikes fear into the audience through his demise and allows his tragic	
	reconcile as a result of the deaths of their children.	Lord Capulet	Patriarch of the Capulets, Arranged marriage for Juliet, quick to anger when disobeyed.	reconcile: become friends again	character flaw to influence his choices which consequently leads to his downfall.	

Descriptive techniques		rminology	Sentences			
Example:	Blank verse	Verse without rhyme, especially that which uses jambic pentameter	Technique:	Example:		
<u>Thunder roared</u> in the dark skies.	Dramatic irony	A comparison in which one thing is said to be another.	Simple Sentence: One clause. Contains a subject and verb. Makes	She ran. She was home. They were bored.		
	Foreshadowing	A literary device in which a writer gives an advance hint of what is	sense by itself.			
"cheeping feebly"		to come later in the story	two sentences joined by	She was scared, <b>yet</b> she kept walking. She was scared, <b>bu</b> t she stopped		
and "grunting"	lambic	A line of verse with five metrical feet (10 syllables total), each	,	walking.		
<b>"-</b> 5. 1	pentameter	consisting of one short (or unstressed) syllable followed by one long (or stressed) syllable	clause (makes sense on	She scanned the room squinting through the hole in the stone. Squinting through the hole in the stone, she scanned the room.		
"Day after day, a vast heavy veil had been driving over London from the East" (Great Expectations)	Imagery	Language used to represent objects, actions, and ideas in such a way that it appeals to our physical senses and creates a vivid image	subordinate clause (does not). The subordinate clause can be used.			
		in the reader's mind	Minor Sentence:	Look!		
	,	- i \	imperative / httpe	A type of sentence (often beginning with a verb) that expresses an instruction, command or order.	An incomplete sentence missing a subject or verb used for effect.	Weird!
"There was a stormy debate over the correct retiring	Interrogative	A type of sentence that asks a question.	Coordinating Conjunctions - join two	FANBOYS For/And/Nor/But/Or/Yet/So		
	ction as the correct retiring	Rhyming verse	Verse that has a rhyme scheme (i.e. lines end with rhyming words)	main clauses to create a compound sentence	The majestic bird soared through the clear blue sky <u>and</u> the wind whistled melodically.	
age of each animal."	1 ,		Sonnet	, , ,		If/ Since/ As/ <u>W</u> hen/ <u>A</u> lthough/ <u>W</u> hile/ <u>A</u> fter/ <u>B</u> efore/ <u>U</u> ntil/ Because ( ISAWAWABUB)
"She felt like a	1	CDCD EFEF GG)	subordinate clauses	Although it had been raining, the ground was dry.  It had been raining although the ground was dry.		
prisoner in her own mind"	Semantic field	A set of words related in meaning	complex sentences			
	"Cheeping feebly" and "grunting"  "Day after day, a vast heavy veil had been driving over London from the East" (Great Expectations)  "There was a stormy debate over the correct retiring age of each animal."  "She felt like a prisoner in her own	Example:       Blank verse         Thunder roared in the dark skies.       Dramatic irony         "Cheeping feebly" and "grunting"       lambic pentameter         "Day after day, a vast heavy veil had been driving over London from the East" (Great Expectations)       Imagery         "There was a stormy debate over the correct retiring age of each animal."       Interrogative         "She felt like a prisoner in her own       Semantic field	Thunder roared in the dark skies.  Dramatic irony  A comparison in which one thing is said to be another.  Foreshadowing  "cheeping feebly" and "grunting"  Iambic pentameter  "Day after day, a vast heavy veil had been driving over London from the East" (Great Expectations)  Imperative  Thunder roared in the dark skies.  Dramatic irony  A comparison in which one thing is said to be another.  A literary device in which a writer gives an advance hint of what is to come later in the story  A line of verse with five metrical feet (10 syllables total), each consisting of one short (or unstressed) syllable followed by one long (or stressed) syllable  Language used to represent objects, actions, and ideas in such a way that it appeals to our physical senses and creates a vivid image in the reader's mind  Imperative  A type of sentence (often beginning with a verb) that expresses an instruction, command or order.  There was a stormy debate over the correct retiring age of each animal."  A type of sentence that asks a question.  Rhyming verse  Verse that has a rhyme scheme (i.e. lines end with rhyming words)  A poem that has 14 lines and a particular pattern of rhyme (ABAB CDCD EFEF GG)  Semantic field  A set of words related in meaning	Example:    Blank verse   Verse without rhyme, especially that which uses iambic pentameter   Thunder roared in the dark skies.   Dramatic irony   A comparison in which one thing is said to be another.   Simple Sentence: One clause. Contains a subject and verb. Makes sense by itself.   Compound Sentence: two sentences joined by FAIROYS conjunctions   To compound Sentence: two sentences joined by FAIROYS conjunctions   Complex sentence: main clause (makes sense on its own) and at least one subject and verb. Makes sense by itself.   Compound Sentence: two sentences joined by FAIROYS conjunctions   Complex sentence: main clause (makes sense on its own) and at least one subject on the reader's mind   Imagery   Language used to represent objects, actions, and ideas in such a way that it appeals to our physical senses and creates a vivid image in the reader's mind   Minor Sentence: An incomplete sentence missing a subject or verb used for effect.   Minor Sentence: An incomplete sentence missing a subject or verb used for effect.   Coordinating Conjunctions - join two main clauses to create a compound sentence   Coordinating Conjunctions - start subordinate clauses which help create a prisoner in her own   Semantic field   A set of words related in meaning   Coordinating Conjunctions - start subordinate clauses which help create conjunct sentence   Coordinating Conjunctions - start subordinate clauses which help create conjunct sentence   Coordinating Conjunctions - start subordinate clauses which help create conjunct sentence   Coordinating Conjunctions - start subordinate clauses   Coordinating Conjunctions - start subordinate clauses   Coordinating Conjunctions - start subordinate clauses		

## **Structuring fiction (story writing)**

Drop	Start in the middle of exciting action
Zoom	Choose something that you will 'zoom in' on and describe in detail
Flash	Change the time or place of your story
Echo	Bring it back to where you were at the start. What has changed?

## **Drop - Sentence Starters**

In that moment...
All around, I could feel...
A sudden gust of hot air blew, pushing...
The music pounded louder and louder until...

## **Zoom - Sentence Starters**

Immediately, the colours of the \_\_\_ caught my eye.. The subtle shades of

## Flash - Sentence Starters

It had only been a few hours ago when.. Earlier that morning.. The streets had been deserted when... Back at home..

## Echo - Sentence Starters

The \_\_\_\_\_ grew louder than ever before... Repeat a word / phrase / image from the start



# **Globalisation & TNCs**

**Globalisation** is the process by which the world is becoming increasingly interconnected as a result of massively increased trade and cultural exchange. It has increased the production of goods and services. The biggest companies are no longer national firms but TNC's operating in many countries.

Globalisation has been taking place for hundreds of years, but has sped up enormously over the last half-century.

	Key Terms
Containerisation	A shipping method where products are packed into large standard size containers that are easily stacked onto huge ships and transported around the world. All containers across the world are the same size.
Head quarters	Or Head office is the main office where the management decisions are made for example marketing & design
Infrastructure	The built systems needed for a country to operate for example roads, bridges and equipment such as communications
Outsourcing	Moving parts of the business or getting resources from other countries usually because they are cheaper.
Positive multiplier effect	Knock on benefits from the industry or trade in an area. For example taxes paid by TNCs can be used to improve schools
Sweatshop	A factory where there are very poor working conditions, often illegal. Workers will work for long hours with little pay.
Tax	An amount of money paid to the government from income
TNC	A large company operating in many countries e.g. Mcdonalds
Trade	The buying and selling of goods
Westernisation	The spread and adoption of western culture

## Why has globalisation increased?

TNC's – More global companies means there has been an increase in trade and relationships between countries. Products are available globally spreading culture and ideas.

Communication and Technology – The internet, Wi-Fi and mobile phones mean thoughts, trends and information can be shared instantly around the world. Meetings can be held virtually allowing business and trade to take place with companies in different time zones.

Transport – This has become cheaper, quicker and can carry you further so it is easier for people and products to be moved around the world. Containerisation has enabled products made in other countries to be quickly and more cheaply transported.

Governments – Now work with each other more than ever to try to solve global problems such as climate change. There are many intergovernmental organisations such as the UN and world bank that help to spread globalisation.

Freedom of Trade – organisations such as the World Trade
Organisation (WTO) promote free trade between countries which
helps to remove barriers between countries

Labour - countries such as India have lower labour costs (about a third of that of the UK) and also high skill levels. Labour intensive industries such as clothing can take advantage of cheaper labour costs and reduced legal restrictions in LEDCs

Increases the development gap between the rich and the poor as richer countries as profits from TNCs stay in developed countries.

Increase in pollution and climate change from the increasing transport of goods and factories

Environmental concerns as raw materials are extracted destroying habitats.

Viewed as a threat to the world's cultural diversity as local heritage is changed

Thriving industry in developing countries is at the expense of industry in developed such as the UK in Stratford where many areas face decline and unemployment

Absence of strict laws means that many people work in poor conditions

Investment from TNCs helps countries by providing new jobs and skills for local people increasing the wealth of people
The sharing of ideas, experiences and lifestyles of people and cultures. People can experience foods and other products not previously available in their countries.

Globalisation increases awareness of events in faraway parts of the world. For example, the UK was quickly made aware of the 2015 Nepal earthquake

Globalisation may help to make **people more aware of global issues** such as deforestation and global warming and alert them to the need for sustainable development.

<u>What is glocalisation?</u> Glocalisation is a combination of the words 'globalisation' and 'local' it describes when a globalised product or idea that is spread around the world is adapted to local cultures and tastes to make it more accessible, understandable or desirable to different people. A good example is McDonalds who sell products such as the McFalafel in Israel where Big Mac burgers would not sell well. This means McDonalds makes more profit in additional markets. Links: <u>BBC Bitesize</u>

# The rise and fall of superpowers

Superpower - a country which is able to project its power and influence anywhere in the world. It is a dominant global force. Countries can exert their influence using a

direct or indirect control over others.

Links: BBC Bitesize - China & India Russia

How have pa	How have patterns of power changed since the British Empire?						
Imperial Era 15th - 19th C	European countries dominated through land grabbing. The British Empire was the superpower when in controlled 1/4th of the world. It used direct control including military power, exporting resources, using people as slaves and spreading British culture to maintain power.						
Inter war 1919-193 0	Colonies began to break away from European control and the USA was now the biggest economy. Britain's superpower status declined.						
Cold War 1947-199 1	The USSR was growing rapidly due to oil and steel exports and became a rival superpower to the USA with opposing ideologies. They entered a cold war where they used indirect soft power to challenge each other.						
1991 Present	USA remained the superpower dominating the economy, trade and international decision making.						
Future	Rise of the <b>BRICs</b> ? Possible return to a time where there is more than one dominant superpower.						

	Key Words						
BRICs	A group of countries that could be the next superpower. Brazil, Russia, India & China.						
Emerging power	A country the is growing significantly in power and beginning to extend a more global influence.						
Hard power	Power through force for example using military strength.						
Soft power	Power through persuasion or favours for example through ideas in films, the censorship of the internet or chosing to give of aid to certain countries.						
Sphere of influence	The geographical area over which a country can assert its authority.						

## Characteristics of a super power

<u>Economic power</u> - High levels of trade in countries with large numbers of transnational companies (companies that operate all over the world) creates wealth. When a country has a high spending power they can dictate trade terms and spend money developing their country further.

<u>Political power</u> - Being members of a number of economic and political organisations such as the UN and the world bank allows countries to influence others through the decisions that are made.

<u>Military power</u> - spending money developing the newest military equipment, weapons and intelligence services can secure territory, protect populations and gain resources .

<u>Cultural power</u> - cultural ideas can be spread through food, music, films and used to influence others ideologies.

Resource power - having large reserves of natural resources such as coal, oil or metals can be used to make products or sell the resources to other countries. A large population is both a workforce and a market for goods. A larger population can help spread cultural power.

## Brazil

- Largest economy of S America
- Large land area and tropical rainforest resource
- Smallest spending on military of all the BRICS
- Olympics and world cup increasing cultural influence

## Russia

- GDP low after collapse of the USSR but rising slowly
- 4th largest spending on military with a focus of securing oil in the Arctic
- Worlds largest land area, population declining



## Indi

- Many telecommunications and IT companies located here due to high numbers of well educated workforce.
- Bollywood is the world's largest film industry
- Second largest population 1.3bn

## China

- economy growing at twice USA's growth rate
- world's largest population 1.4bn
- large reserves of coal
- large military but mainly focused on the South China Seas
- growing number of TNCs

## Global Conflict in the 20th Century

Summary: The 20th century was defined by a number of conflicts across the globe. There have been various and developing causes of these conflicts. Nationalism, militarism, ideologies, independence and imperialism have all fuelled these conflicts in different ways. This unit will investigate these different causes of conflict using historical interpretations. We will study a range of conflicts, from World War One to liberation struggles in Africa, building a chronological big picture of the main causes of conflict throughout the 20th century.

	Key concepts	Key words		
1	World War One 1914-1918 - Key causes: Militarism: From 1805, Britain's navy was the most powerful in the world. Between 1906 and	Nationalism	Belief in and pride in the power of your own country. This can lead to competition between countries	
	1914, Britain built a total of 29 new warships, called Dreadnoughts. Between 1908 and 1914, Germany responded to the competition, building 17 warships. Imperialism: For example, Britain and France were strong imperial powers - Britain controlled	Militarism	When countries compete to build up their armies, navies and weapons stores. This can lead to suspicion and competition	
	Alliances: Russia joined Serbia in fighting Austria-Hungary. Germany joined Austria-Hungary in fighting Russia. After Germany invaded Belgium, Britain joined France in fighting Germany.	Imperialism	When countries want to expand their own empire by invading, colonising and taking over other countries and absorbing them into their empire	
		Independence	When a country wants to run itself and not be governed by another power	
2	World War Two - 1939 - 1945 - Key causes:  Treaty of Versailles - Germany had to accept guilt for the war and to pay reparations. Germany lost territory and was not allowed to have a large military.  Appeasement - During the 1930s, politicians in Britain and France began to believe that the Treaty of Versailles was unfair to Germany and that Hitler's actions were understandable and justifiable.  German Militarism - Hitler immediately began secretly building up Germany's army and weapons.  Japan's militarism: In order to produce more goods, Japan needed natural resources for its factories. The Japanese army invaded China, an area rich in minerals and resources.  Economic Depression: The whole world was hit by an economic depression in the late 1920s. In a depression, economies shrink, trade is reduced, businesses close, prices fall, banks fail, and unemployment rises.	Ideology	A set of beliefs, usually political. When powerful groups have different ideologies this can lead to conflict	
		Conflict	A serious clash, in this case referring to war	
		Arms Race	Competitive growing of militaries between two countries	
		Liberation	The act of setting someone (or a country) free from the rule of another country or power	
		Alliance	A relationship or union based on two countries having similar interests	
		Treaty	A formal agreement between two or more countries	
3		Communism	An ideology in which there is a classless society, production is communal, everyone is equal - government is authoritarian in the case of the USSR	
3	The Cold War - 1945-1991 Key Causes Ideological differences: Russia (USSR) was a communist country and America was a capitalist country. These two ideologies go directly against one another. Arms Race/Militarism: A competition to grow nuclear weapons stores and militaries - Hydrogen	Capitalism	An ideology in which a country's trade and industry is own privately for profit - democratic leadership in the case of the USA	
	bomb and ICBM = Inter Continental Ballistic Missile - this could fire a nuclear bomb at a target more than 4500 km away	Appeasement	Allowing something to carry on in order to avoid conflict	
	Imperialism and Expansion: Both the USA and USSR had their own forms of imperialism in Soviet expansionism and dollar imperialism.	Resolution	The process of two conflicting countries reaching an agreement to move forward	

	Key concepts
4	Algerian War of Independence - 1954-1962 - Key causes: Imperialism: Algeria controlled by the French Empire from 1830 Independence: Algerian independence from the French - led by National Liberation Front - fought an army of 500,000 French soldiers
5	Mau Mau Uprising - 1952-1960 - Key Causes: Imperialism: The British empire made laws that took away Africans' rights to their own land which they had been farming for years. After WWI lots of soldiers were housed in Kenya, causing anger and resentment.  Nationalism: The nationalist movement that emerged became known as the Mau Mau. The Kikuyu were targeted by the British as nationalists and 20,000 were killed
6	Conflict in the Middle East - 1914 - Present - Key Causes: Arabs under Ottoman Rule: The Ottomans used force to make some nomadic Arab groups settle in one place, others remained independent. Local Revolution: in the Ottoman Empire in 1908 to make Turkey less religious and more focused on business. Many Arabs wanted to be independent from it. WWI: In November 1914 the Ottoman Empire joined WWI on the side of Germany. The British encouraged an Arab revolt against the Ottoman rule in exchange for independence Sykes-Picot agreement: On 19 <sup>th</sup> May 1916, a secret agreement was made to divide the Middle East between Britain and France. This led to confusion over who the lands of the Middle East really belonged to, increasing tensions
7	Vietnam War - 1955-75 - Key Causes: Cultural reasons: The American army did not show much respect to the innocent people of Vietnam. The Vietcong could communicate with them and convinced them that they were fighting for their freedom Economic reasons: The Vietnam war was incredibly expensive for the US government. The Vietcong had very little money but made use of the resources that they had around them and so could keep going Geographical reasons: The American army had no understanding of the terrain or climate of Vietnam and struggled to function. The Vietcong had grown up there and were very good and using it to their advantage Military reasons: The American soldiers had been forced to go to Vietnam to fight and had little motivation to be there or to keep fighting. The Vietcong were fighting for their freedom and vowed never to give up

## **Key developments**

1914

Beginning of World War One

1916

Sykes-Picot Agreement is reached

1939

Beginning of World War Two

1945

Atomic bomb dropped by USA, Cold War begins

1952

Mau Mau uprising begins

1954

Algerian War of Independence begins

1955

Vietnam War begins

1964

Kenya becomes fully independent

1991

Cold War ends

## Skills focus:

Historical interpretations

How do historians form interpretations?

What types of sources have historians used to build their own interpretation?

Using contextual knowledge to support or challenge an interpretation

Using contextual knowledge to build an argument as to how far you agree with an interpretation

Building an argument about which of two interpretations is more valid

Investigating the differences between two historians' interpretations

Using contextual knowledge to build our own historical interpretations

## Y9,KO, Maths, Cycle 1/Term 1

Equation of line	Horizontal/ vertical/ diagonal?	Sketch
x = ?	Vertical	Example    5
y = ?	Horizontal	Example    1
y = x	Diagonal	y = x 1 1 2 1 1 1 2 1 1 2 1 2 1
y = -x	Diagonal	γ = -x

Types of Number				
Square numbers (first 10)	1, 4, 9, 16, 25, 36, 49, 64, 81, 100			
Cube numbers (first 10)	1, 8, 27, 64, 125, 216, 343, 512, 729, 1000			
Prime numbers (first 10)	2, 3, 5, 7, 11, 13, 17, 19, 23, 29			
Fibonacci sequence (first 10)	0, 1, 1, 2, 3, 5, 8, 13, 21, 34			

Standard form				
Standard form	a x 10 <sup>n</sup>			
а	Between 1 and 10			
n	An integer (whole number)			
n is positive	Number is larger than 1			
n is negative	Number is smaller than 1			

Coordinates and linear graphs					
Formula for midpoint of $(x_1, y_1)$ and $(x_2, y_2)$	$(\frac{x_1+x_2}{2}, \frac{y_1+y_2}{2})$				
Equation of a line	y = mx + c				
m	gradient				
С	y-intercept				
Formula for gradient of line joining $(x_1, y_1)$ and $(x_2, y_2)$	$\frac{y_2 - y_1}{x_2 - x_1}$				
Parallel lines	have the same gradient				

# Year 9 Cycle 1

# Rhythms of the World / Songwriting

Element	Core knowledge [this will be in your assessment]	ROTW Context
Melody	<ul> <li>Chord tone - using the notes of a chord to build a tune</li> <li>Passing note - notes to move between different chord tones</li> <li>Maqam - Arabic scale system</li> <li>Melisma - many notes sung on one syllable</li> </ul>	<ul><li>West African Drumming</li><li>Samba</li><li>Greek Folk Music</li></ul>
Articulation	<ul> <li>Tremolo - repeated notes played fast</li> <li>Ornamentation - extra notes to decorate a melody</li> <li>Accent - notes played louder that the notes around them</li> </ul>	Israeli and Palestinian music  Recommended Listening  Abrach Kong Kong Cibi
Dynamics	<ul> <li>Loud</li> <li>Quiet</li> <li>Crescendo - getting louder</li> </ul>	<ul><li>Ahmet Kaya - Kum Gibi</li><li>Le Trio Joubran - Nawwar</li></ul>
Texture	<ul> <li>Block chords - playing all the notes of a chord at once</li> <li>Broken chords - playing the notes of a chord separately</li> <li>Polyrhythm - many rhythms played together</li> </ul>	
Structure	<ul> <li>Call and response - a group responds to a call from a single musician</li> <li>Verse, chorus, bridge, intro, outro, middle 8 - sections of a song</li> </ul>	Songwriting
Harmony	<ul> <li>Key - the home chord, tells us what notes we can use</li> <li>Chord voicing - rearranging the notes of a chord</li> </ul>	'Bleeding Love'     Lyrics
Instrumentation	<ul> <li>Djembe - West African drum</li> <li>Oud - Arabic stringed instrument</li> <li>Bouzouki - Greek stringed instrument</li> </ul>	<ul><li>Chord sequences</li><li>Melody with chord tones</li></ul>
Rhythm	<ul> <li>Pulse - a steady beat throughout a piece of music</li> <li>Syncopation - notes on the offbeat</li> <li>Wazn - Arabic rhythmic system</li> </ul>	Recommended Listening
Tempo /Time Signature	<ul> <li>Accelerando - speeding up, typical in Israeli music</li> <li>Irregular - time signatures with uneven beats, typical in Greek music</li> <li>Freetime - playing without a sense of pulse</li> </ul>	25355 7239 7.000

## Health, Fitness and Well-Being

Boosts energy levels

Reduces the risk of

developing serious

health conditions

Help lose weight

Lifestyle choices – the decisions we make about how we live and behave that impact on health. Diet

Leads to deficiencies

Increases weight and

with poor body shape

Causes depression

## **Activity levels**

Active lifestyle			Inactive lifestyle		
1. 2. 3.	Boosts self esteem Reduces stress and anxiety Improves fitness levels	1. 2.	Increases risk of disease Decreases muscle mass, strength and energy levels		

## Work/rest/sleep balance

Good balance			Poor balance		
1. 2. 3.	Improves mood Increases productivity at work Contributes to quality of sleep	1. 2. 3.	Increases the risk of depression Leads to weight gain Increased blood pressure		

Well being – a combination of physical, emotional and social health.

**Eating unhealthy** 

% body fat

Positives effects of training/exercise on:

## Physical health

**Eating healthy** 

- Stronger bones (increased bone density)
- Lower cholesterol / reduced obesity
- Increase/development of components of fitness
- Increase life expectancy

## **Emotional health**

- To increase self esteem/confidence increased endorphins released
- · Reduced risk of age-related diseases dementia
- · Relieve stress and tension
- Fun/enjoyment / reduced boredom

## Social health

- To develop teamwork skill
- To meet new people/friends
- Develop communication skills
- Develop leadership skills

## Negative effects of training on:

- Physical health overexertion leading to heart failure / overuse injuries
- Emotional health training can lead to injury and cause depression
- Social health training long hours means less time spent with family.

Recreational drugs – these are taken for pleasure and are legal to those over a certain age.

## **Smoking**

Causes breathlessness and reduces the oxygen-carrying capacity. This affect aerobic ability for endurance events. Smoking (nicotine) increases the risk of lung cancer, bronchitis, pneumonia & emphysema.

Alcohol - contains chemicals which act on the brain affect judgement.

**Sedentary lifestyle** – a lifestyle with no or irregular physical activity. This includes sitting, reading, watching television & playing video games.

Health risks associated are:

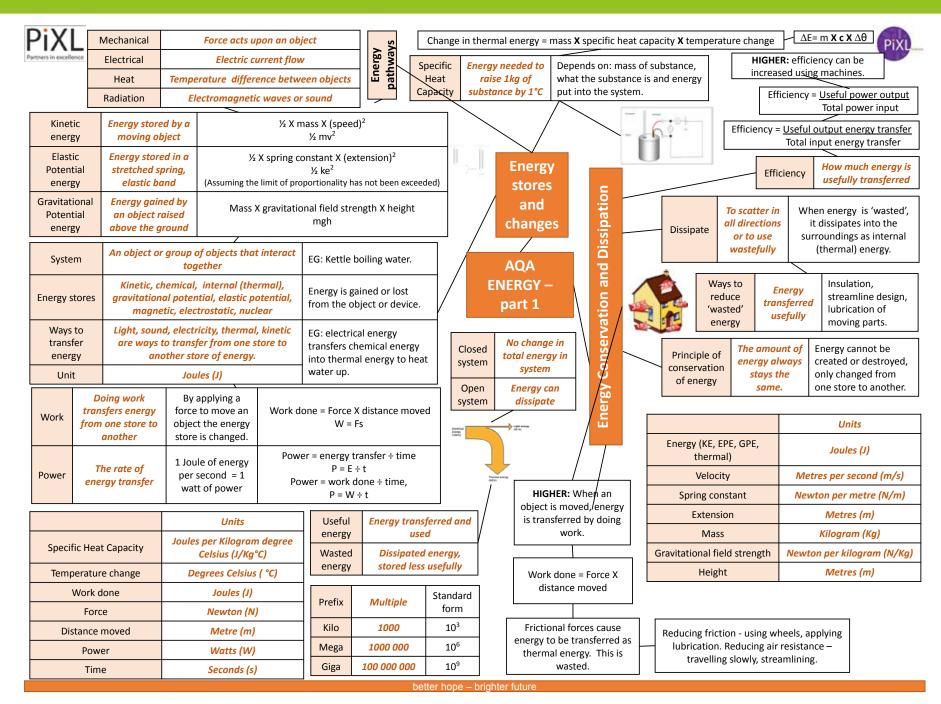
- Heart disease
- Type 2 diabetes
- Obesity
- Osteoporosis
- Depression

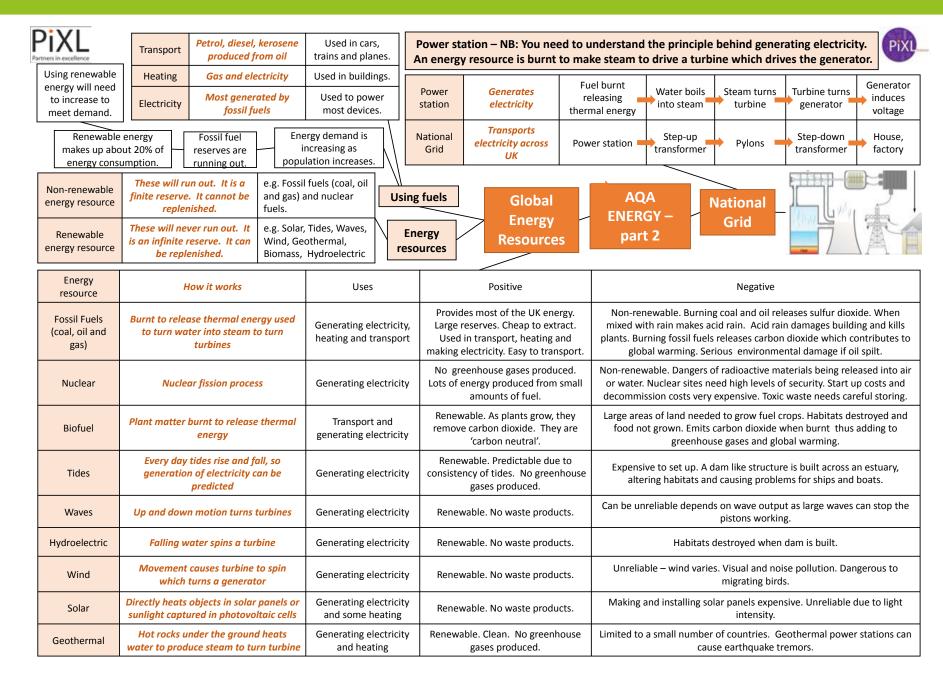




- Explain what measures you can take to try to keep yourself healthy and fit consider your current lifestyle (4 marks)
- Evaluate which of the negative impacts of health and well being is the most dangerous (6 marks)







better hope – brighter future

J
Ш

Faith and conflict						
K	Key Terms			Key Concept	S	
Orthodox, Reform and Liberal	The three largest denominations of Judaism	The Binding of Isaac: Abraham and his wife Sarah wanted nothing more than a child and eventually God granted them their wish. When Isaac reached his late teens God once again returned to Abraham to test him he asked him to sacrifice his son. Abraham showed his trust in God by agreeing to kill his son in God's name. God then spared Isaac and Abraham				
Bar Mitzvah	A Jewish ceremony that commemorates a boys passage into adulthood	formed a covenant with	God that would be th	e foundation of the Jewis	sh faith.	
Mazel-Tov	Congratulations in Hebrew			consider God to be a fric potent and invisible but n	-	-
Yom Kippur	Day of atonement	,			,	,
Rosh Hashanah	.Jewish new year			be a prophet. God kept a be a prophet. God kept a bell them their destruction		•
Covenant	A deal between two parties such as the one Abraham made with God	asked him to go to the town of Nineveh and tell them their destruction was imminent. Jonah refused and God had him swallowed by a giant fish. Jonah then regretted his actions and decided he would follow God's plan after all. The people of Nineveh heeded his warnings and changed their ways so they were eventually saved.				
Sacrifice	An offering of something valuable, in religious terms this is an offering to God.		The Promised land: This refers to Israel and in particular Jerusalem , a place the Jews believe was promised to them by God. Unfortunately it was already occupied by the Muslim Palestinians and this has led to the conflicts in the middle east today.			
Repentance	Saying sorry for something and showing regret			Iseful Quotation		
Tanakh	The Jewish holy books	"Now the word of the out against it, for their			g, "Arise, go to Nineve	h, that great city, and call
Torah	The first five books of the bible (old testament) in Hebrew.	"Take your son, your o	nly son Isaac, whom y	you love, and go to the l	and of Moriah, and of	fer him there as a burnt
Talmud	The writing of Jewish law			shall tell you." Genesis		
Ashamnu	Jewish prayer of confession	"Leave your country, your people and your father's household and go to the land I will show you. I will make you into a great nation and I will bless you" Genesis 12:1				
The Ten	commandments	Thou shall have no Gods before me	3. Do not misuse God's name	5. Honour your father and your mother	7. Do not commit adultery	9. Do not lie or make false claims
		2.Do not worship idols	4. Keep the Sabbath Holy	6. Do not kill	8. Do not steal	10 do not be jealous of others.

# Faith and conflict

K	Key Terms	Key Concepts				
Holocaust	Literally meaning death by fire this marks a time in history when the Nazi's tried to destroy European Jewry as well as people from other minority groups such as	Racial differences: The Nazi's persecuted the Jews as they saw them as an inferior race. They referred to Jews as a Semitic race that didn't have the same qualities as their Aryan race. They were seen as a dilution of German blood so mixing between Germans and Jews was not permitted				
	Homosexuals, Travellers and Jehovah's witnesses	The Ghettos: Before being packed into trains and sent to concentration camps Jews were rounded up and forced to live in small confined apartments in walled parts of the cities where few people went in a even fewer people came out.				
Kinder- transport	The transport that carried children out of Nazi occupied Europe to the UK	The Nuremberg laws: As soon as Hitler was voted into power he and his government started to introduce laws that would start to limit the Jewish way of life. The original laws seemed minor such as Jewish shops were not allowed to				
Nazi	The organisation and Governmental party led by	open on Fridays, Jews were not allowed pets and then they escalated the laws banning Jews from using forms of communication, banishing them from schools and closing all educational centres that accepted Jewish students.				
	Adolf Hitler	Resistance: One of the most frequently asked questions is why didn't the Jews fight back. Many did. there were breakouts from camps and ghettos and many armed sieges but ultimately they were outgunned and outmanned by the				
Concentration Camp	Camps designed for the eradication and murder of people on a large scale.	Nazis so they looked at other forms of resistance including smuggling people, leaking information and cataloguing the heinous actions of individuals and the Nazis as a whole.				
Auschwitz	The largest concentration camp, over a million people were murdered there.	Testimony				
Perpetrator	A person who actively commits a crime	"Escape was not our goal since it was so unrealistic. What we wanted was to survive, to live long enough to tell the world what had happened at Buchenwald (Slave labour camp)" Jack Werber Holocaust survivor who helped save the				
bystander	Someone who watches and stands by without intervention	lives of 700 children who were being used for slave labour at Buchenwald				
Collaborator	A person who enables others to perpetrate crimes	"to forget the Dead would be akin to killing them for a second time" Elie Wiesel, Holocaust survivor and Author				
Rescuer	Someone who tried to actively help others.	"even in this place one can survive, and therefore must want to survive, to tell the story, to bear witness; and that to survive we must force ourselves to save at least the skeleton, the scaffolding, the forms of civilization. We are slaves				
Anti-Semitism	Prejudice against Jews based on perceived Racial inferiority	deprived of every right, exposed to every insult, condemned to certain death, but we still possess one power, and we must defend it with all our strength, for it is the last- the power to refuse consent" Primo Levi, Auschwitz survivor and author.				

"First they Came" by Pastor Niemoller

First they came for the socialists, and I did not speak out as I was not a socialist. Then they came for the trade-unionists, and I did not speak out as I was not a trade-unionist. Then they came for the Jews, and I did not speak out as I was not a Jew. Then they came for me – and there was no one left to speak for me.

## Technology, free time & healthy lifestyle (Foundation)

1.1. ¿Usas mucho el internet? (Do you use the internet much?) / ¿Qué opinas de las redes sociales? (What do you think about social media?) Quizlet link 1.1.

DPR8 - Present tense	DPR8 - Present tense			DPR9 - Imperfect tense		
De vez en cuando (From time to time)  A veces (Sometimes)	descargo n subo fotos hago la co	TikTok para aprender bailes nuevos. (TikTok to learn new dances)  Youtube para ver vídeos graciosos. (Youtube to watch funny videos)  Spotify para descubrir música. (Spotify to discover music)  Facebook para ver fotos de mi familia. (Facebook to see pictures of my family)  Snapchat para subir fotos. (Snapchat to upload pictures)  videos en TikTok. (I watch videos on TikTok) argo música. (I download music) o fotos a mi cuenta de Instagram. (I upload photos to my Instagram account) o la compra por Internet. (I do online shopping) do fotos. (I send photos)		cuando era joven usaba When I was young, I used to use	TikTok para aprender bailes nuevos (TikTok to learn new dances)  Youtube para ver vídeos graciosos (Youtube to watch funny videos)  Spotify para descubrir música (Spotify to discover music)  Facebook para ver fotos de mi familia (Facebook to see pictures of my family)  Snapchat para subir fotos (Snapchat to upload pictures)	
Pienso que las redes sociales son (I think that social media is)  Mi (madre/padre/abuela/abuelo) piensa que las redes sociales son (My (mum/dad/grandma/grandpa) thinks that social media is)		útiles (useful) divertidas (fun) peligrosas (dangerous) una pérdida de tiempo (a waste of time) entretenidas (entertaining) repetitivas (repetitive) aburridas (boring) adictivas (addictive)	Bn mi casa, casi nadie (In my house, almost nobody)  Mi madre ya no (My mum no longer)	usa Twitter (uses Twitter)  ve videos en TikTok (watches videos on TikTok)  descarga música (downloads music)  hace la compra por Internet (does online shopping)	pero es una pérdida de tiempo. (but it's a waste of time) porque no gasta mucha batería. (because it doesn't waste a lot of battery) porque está pasado de moda. (because it's old fashioned)  Mi padre no me permite usar (TikTok) todos los días (My dad doesn't let me use TikTok every day)  M (madre) piensa que pasamos demasiado tiempo en Internet. (My (mum) thinks that we spend too much time on the internet)  Me permiten ver las noticias de la última hora (They allow me to see the latest news) Me da la oportunidad de conocer gente nueva (It gives me the opportunity to meet new people) Me permite apoyar a organizaciones benéficas (it allows me to support charities)	

## Technology, free time & healthy lifestyle (Foundation)

1.2. ¿Qué haces en tu tiempo libre? (What do you do in your free time?)/ ¿Qué te gusta comer? (What do you like to eat?) Quizlet link 1.2

En mi tiempo libre (In my free time) Los fines de semana (On the weekends) Cuando tengo tiempo (When I have time)	suelo (I usually) mis amigos y yo solemos (my friends and I usually) Mi amigo suele (my friend usually)	bailar en clases de zumba (dance in zumba classes) jugar al fútbol/al baloncesto (play football/basketball) cantar en un coro (sing in a choir)	porque dado que ya que visto que puesto que (because)	me permite relajarme it allows me to relax me permite olvidarme de todo it allows me to forget everything
Sin embargo en el futuro (However, in the future)	me gustaría I'd like	leer novelas (read novels) hacer deportes acuáticos (do water sports) ir al cine (go to the cinema) pintar (to paint) nadar (swim) ayudar con las tareas domésticas (help with the housework) pasear al perro (to walk the dog)	y opino que (and I think that)	me quita el estrés it takes away my stress  me hace reír / llorar- it makes me laugh / cry  me da la oportunidad de pasar tiempo con mis amigos/mi familia It gives me the chance to spend time with my friends/my family)  me da la oportunidad de mantenerme en forma -it gives me the opportunity to keep fit
Personalmente me gusta (Personally, I like)  A mi hermano le gusta (My brother likes)	la comida italiana (Italian food) La comida nigeriana (Nigerian food) La comida española (Spanish food) La comida india (Indian food) La comida china (Chinese food) La comida tailandesa (Thai food)	ya que creo que es (because I think it is)  puesto que piensa que es (because he /she thinks that it is)	deliciosa (delicious) sabrosa (tasty) picante (spicy) - salada (salty) fresca (fresh) refrescante (refreshing)	Top band phrases (DPR8,9, 11):  Prefiero la comida <u>italiana</u> pero mi mejor amigo prefiere la comida <u>mexicana</u> (I prefer Italian food but my best friend prefers Mexican food)  La semana pasada comí (Last week I ate)  En el futuro me gustaría probar (In the future, I would like to try)

1.3. ¿Qué deporte harás para mantenerte en forma en el futuro? (What sport will you do to keep fit in the future?) Quizlet link 1.4.

Para mantenerme en forma ( <i>To keep fit</i> ) Para mejorar mi salud	el lunes (on Monday) el martes (on Tuesday) el miércoles (on Wednesday)	jugaré al (I will play)	tenis (tennis), fútbol (Football), baloncesto (basketball), golf, voleibol, bádminton, ping pong, béisbol	ya que me permite pasar tiempo con mis amigos (because it allows me to spend time with my friends)
(To improve my health) Por la mañana (In the morning) Por la tarde (In the afternoon)	el jueves (on Thursday) el viernes (on Friday) el sábado (on Saturday) el domingo (on Sunday)	haré (/ will do)	vela (sailing), alpinismo (hiking), natación (swimming), equitación (horse riding), atletismo (athletics), esquí (ski), ciclismo (cycling), patinaje (skating), pesca (fishing), piragüismo (canoeing), gimnasia rítmica (gymnastics), boxeo (boxing)	ya que me da la oportunidad de relajarme (because it gives me the opportunity to relax) puesto que me ayuda a mantenerme en forma (because it helps me to keep in shape)
		iré (I will go)	al gimnasio (to the gym)/ a la piscina (to the swimming pool)	

## Top band phrases (DPR11-12):

Opino que llevo una vida sana (I think that I lead a healthy lifestyle)

Si tuviera la oportunidad, me gustaría practicar... (If I had the opportunity, I would like to practice)

A mi hermana Eva le encantaría practicar... (My sister Eva would love to practice...) porque le permite descansar/ mejorar su salud (because it allows her/him to rest/ improve his/her health)

## Technology, free time & healthy lifestyle (Higher)

1.1. ¿Usas mucho el internet? (Do you use the internet much?) / ¿Qué opinas de las redes sociales? (What do you think about social media?) Quizlet link 1.1.

DPR8 - Present tense			DPR9 - Imperfe	ct tense	
Todos los días (Every day)  De vez en cuando (From time to time)  A veces (Sometimes)  Cuando no estoy estudiando (When I am not studying)	descargo mo subo fotos a hago la com	TikTok para aprender bailes nuevos. (TikTok to learn new dances)  Youtube para ver vídeos graciosos. (Youtube to watch funny videos)  Spotify para descubrir música. (Spotify to discover music)  Facebook para ver fotos de mi familia. (Facebook to see pictures of my family)  Snapchat para subir fotos. (Snapchat to upload pictures)  en TikTok. (I watch videos on TikTok)  disica. (I download music)  mi cuenta de Instagram. (I upload photos to my Instagram account)  pra por Internet. (I do online shopping)  sa amis amigos en Snapchat. (I send photos to my friends on Snapchat)	Aunque (Although) Sin embargo (However)	cuando era joven usaba When I was young, I used to use  cuando era joven, me gustaba usar When I was young, I liked using	TikTok para aprender bailes nuevos (TikTok to learn new dances)  Youtube para ver vídeos graciosos (Youtube to watch funny videos)  Spotify para descubrir música (Spotify to discover music)  Facebook para ver fotos de mi familia (Facebook to see pictures of my family)  Snapchat para subir fotos (Snapchat to upload pictures)
Pienso que las redes social think that social media  Mi (madre/padre/abuel piensa que las redes social media it thinks that social media it to biría que las redes socia ejemplo (TikTok), son (I would say that social rexample (TikTok) is)	is) a/abuelo) iales son t/grandpa) s) les, por	útiles (useful)  divertidas (fun)  peligrosas (dangerous)  una pérdida de tiempo (a waste of time)  entretenidas (entertaining)  repetitivas (repetitive)  aburridas (boring)  adictivas (addictive)	En mi casa, casi nadie (In my house, almost nobody)  Mi madre ya no (My mum no longer)	usa Twitter (uses Twitter)  ve videos en TikTok (watches videos on TikTok)  sube fotos a su cuenta de Instagram (uploads photos to their Instagram account)  descarga música (downloads music)  hace la compra por Internet (does online shopping)  manda fotos a sus amigos en Snapchat (send photos to his/her friends on Snapchat)	pero es una pérdida de tiempo. (but it's a waste of time)  porque no gasta mucha batería. (because it doesn't waste a lot of battery)  porque está pasado de moda. (because it's old fashioned)  Mi padre no me permite usar (TikTok) todos los días (My dad doesn't let me use TikTok every day)  Mi (madre) piensa que pasamos demasiado tiempo en Internet. (My (mum) thinks that we spend too much time on the internet)  Me permiten ver cuál es la tendencia del momento (They allow me to see what's trending at the moment)  Me permiten ver las noticias de la última hora (They allow me to see the latest news)  Me da la oportunidad de conocer gente nueva (It gives me the opportunity to meet new people)  Me permite apoyar a organizaciones benéficas (it allows me to support charities)

## Technology, free time & healthy lifestyle (Higher)

1.2. ¿Qué haces en tu tiempo libre? (What do you do in your free time?)/ ¿Qué te gusta comer? (What do you like to eat?) Quizlet link 1.2

En mi tiempo libre (In my free time) Los fines de semana (On the weekends) Cuando no estoy estudiando (When I am not studying) Cuando tengo tiempo (When I have time)  Sin embargo en el futuro (However, in the future)	suelo (I usually) me mola / me flipa (I really like) mis amigos y yo solemos (my friends and I usually) Mi amigo suele (my friend usually) me gustaría I'd like Me encantaría I'd love	bailar en clases de zumba (dance in zumba classes) jugar al fútbol/al baloncesto (play football/basketball) cantar en un coro (sing in a choir) leer novelas (read novels) hacer deportes acuáticos (do water sports) ir al cine (go to the cinema) pintar (to paint/ to draw) nadar en la piscina local (swim in the local swimming pool) ayudar con las tareas domésticas (help with the housework) pasear al perro (to walk the dog)	porque dado que ya que visto que puesto que (because)  y opino que (and I think that)	me permite relajarme it allows me to relax le permite relajarse it allows him/her to relax  me permite olvidarme de todo it allows me to forget everything le permite olvidarse de todo it allows him/her to forget everything  me quita el estrés it takes away my stress le quita el estrés it takes his/her stress way  me hace reír / llorar it makes me laugh / cry le hace reír/llorar it makes him/her laugh/cry  me da la oportunidad de pasar tiempo con mis amigos/mi familia (It gives me the chance to spend time with my friends/my family) me da la oportunidad de mantenerme en forma (it gives me the opportunity to keep fit)
Personalmente me gusta (Personally, I like) Desde mi punto de vista, me encanta (from my point of view, I love)  A mi hermano le gusta (My brother likes)	la comida italiana (Italian food) La comida nigeriana (Nigerian food) La comida española (Spanish food) La comida india (Indian food) La comida china (Chinese food) La comida tailandesa (Thai food)	ya que creo que es (because I think it is)  porque en mi opinión es (because in my opinion it is)  puesto que piensa que es (because he /she thinks that it is)	deliciosa (delicious) sabrosa (tasty) picante (spicy) salada (salty) fresca (fresh) refrescante (refreshing)	Top band phrases (DPR8,9, 11):  Prefiero la comida <u>italiana</u> pero mi mejor amigo prefiere la comida <u>mexicana</u> (I prefer Italian food but my best friend prefers Mexican food)  La semana pasada comí (Last week I ate)  En el futuro me gustaría probar (In the future, I would like to try)

1.3. ¿Qué deporte harás para mantenerte en forma en el futuro? (What sport will you do to keep fit in the future?) Quizlet link 1.4.

Para mantenerme en forma ( <i>To keep fit</i> ) Porque me preocupa mi salud	el lunes (on Monday) el martes (on Tuesday) el miércoles	jugaré al (I will play) probaré el (I will try)	tenis (tennis), fútbol (Football), baloncesto (basketball), golf, voleibol, bádminton, ping pong, béisbol
(Because I worry about my health) Para mejorar mi salud (To improve my health) Por la mañana (In the morning)	(on Wednesday) el jueves (on Thursday) el viernes (on Friday) el sábado (on Saturday) el domingo (on Sunday)	(horse riding), atletismo (athletics), esquí (ski), ciclismo (cycling) patinaje (skating), pesca (fishing), piragüismo (canoeing), gimna ritmia (aumasstics) horae (hoving)	vela (sailing), alpinismo (hiking), natación (swimming), equitación (horse riding), atletismo (athletics), esquí (ski), ciclismo (cycling), patinaje (skating), pesca (fishing), piragüismo (canoeing), gimnasia rítmica (gymnastics), boxeo (boxing)
Por la tarde (In the afternoon)		iré (I will go)	al gimnasio (to the gym)/ a la piscina (to the swimming pool)

ya que me permite pasar tiempo con mis amigos (because it allows me to spend time with my friends) ya que me da la oportunidad de relajarme (because it gives me the opportunity to relax) puesto que me ayuda a mantenerme en forma (because it helps me to keep in shape) ya que me permite aprender nuevas habilidades (because it allows me to learn new skills) ya que tiene ventajas para mi salud (because it allow has advantages for my health)

## Top band phrases (DPR11-12):

Opino que llevo una vida sana (I think that I lead a healthy lifestyle)

Si tuviera la oportunidad, me gustaría practicar... (If I had the opportunity, I would like to practice)

A mi hermana Eva le encantaría practicar... (My sister Eva would love to practice) porque le permite descansar/ mejorar su salud (because it allows her/him to rest/ improve his/her health)

## SPaG

## **Grammar: Write in sentences**

A sentence is a group of words that make sense. Sentences start with a capital letter and end with a full stop, question mark or exclamation mark. All sentences contain **clauses.** You should try to use a range of sentences when writing. There are three main types of sentences.

Simple sentence: A sentence containing one main clause with a subject and a verb.

He reads.

Literacy is important.

<u>Compound sentence</u>: Two simple sentences joined with a <u>conjunction</u>. Both of these simple sentences would make sense on their own. Varying conjunctions makes your writing more interesting.

He read his book because it was written by his favourite author.

Literacy is important so students had an assembly about reading.

Complex sentence: A longer sentence containing a main clause and one or more subordinate clause (s) used to add more detail.

The main clause makes sense on its own. However, a subordinate clause would not make sense on its own, it needs the main clause to make sense. The subordinate clause is separated by a comma (s) and/or conjunction. The clause can go at the beginning, middle or end of the sentence.

He read his book even though it was late.

Even though it was late, he read his book.

He read his book, even though it was late, because it was written by his favourite author.

## How can you develop your sentences?

1. Start sentences in different ways. For example, you can start sentences with adjectives, adverbs or verbs.

Adjective: Funny books are my favourite!

Adverb: Regularly reading helps me develop a reading habit.

Verb: Looking at the front cover is a good way to choose a reading book.

2. Use a range of punctuation.

## 3. Nominalisation

Nominalisation is the noun form of verbs; verbs become concepts rather than actions. Nominalisation is often used in academic writing. For example:

It is important to **read** because it helps you in lots of ways.

Becomes: Reading is beneficial in many ways.

Germany invaded Poland in 1939. This was the immediate cause of the Second World War breaking out.

Becomes: Germany's invasion of Poland in 1939 was the immediate cause of the outbreak of the Second World War.

Cause	Because
And	So
Effect	Consequently
	Therefore
	Thus
Addition	And
	Also
	In addition
	Further (more)
Comparing	Whereas
	However
	Similarly
	Yet
	As with/ equally/ Likewise
Sequencing	Firstly
	Initially
	Then
	Subsequently
	Finally
	After
Emphasis	Importantly
	Significantly
	In particular
	Indeed
Subordinate	Who, despite, until, if,
	while, as, although, even
	though, that, which



KS3 Knowledge Organiser Haggerston School





# Year 9 Knowledge Organiser

**Haggerston School** 

**Aspiration Creativity Character**