Success is the sum of small efforts repeated day in and out.



Aspire Achieve Thrive

History

Name:

Tutor:

Half Term 3 2024-25

Computing

KNOWLEDGE ORGANISER

Modern Britain



Spanish

French

Geography

# **Contents Page**

Subject	Page
Geography	4-9
History	10-15
French	16-22
Spanish	23-29
Modern Britain	30-35
Computing	36-41

# **Book Pride**

1	2
<ul> <li>No dates and titles are underlined</li> <li>Work is very untidy</li> <li>Extended writing tasks are incomplete</li> <li>SPaG errors being repeated</li> <li>Show more <u>PRIDE</u> in your learning.</li> <li>Be proud to learn and be proud of your work.</li> </ul>	<ul> <li>Some dates and titles are underlined</li> <li>Work is untidy</li> <li>Extended writing tasks are short</li> <li>SPaG errors being repeated</li> </ul>
3	4
<ul> <li>Most dates and titles are underlined</li> <li>Work is usually neat and well presented</li> <li>Extended writing tasks are good</li> <li>SPaG is usually correct</li> </ul>	<ul> <li>All dates and titles are underlined</li> <li>Work is exceptionally neat and well presented</li> <li>Extended writing tasks are outstanding</li> <li>SPaG is consistently correct</li> <li>You are <u>RESILIENT</u>.</li> <li>You always show <u>PRIDE</u> in your work.</li> </ul>

Year 8 - Half Term 3 (06-01-25 → 14-02-25) - Homework Plan

Plan

	Online HW	Written HW
Monday	Sparx Maths	Geography
Tuesday	Sparx Science	History
Wednesday	Sparx Reader	Languages/Literacy
Thursday	Sparx Catch Up	Modern Britain
Friday	Sparx Catch Up	Computing

<sup>\*</sup>Students studying Literacy in place of French/Spanish to complete additional set Sparx Reader

### Geography: Week 1 Revision - Development

### **Development indicators**

**GNI**: Gross National Income is an economic measure of development. GNI is the total amount of money earned by a nation's people and businesses.

**HDI:** Human Development Index is a social and economic measure that includes GNI, life expectancy and literacy rates.

**Infant mortality:** A social indicator measuring the number of babies that die under the age of one year (per 1000 births).

**Literacy Rate:** Measures the number of people in a country who have basic reading and writing skills (social).

Ghana exports (%) 2012 - 2016						
	2012	2013	2014	2015	2016	
Cocoa Beans	14	27	22	19	13	
Cocoa Butter	0.77	0.87	2.5	2.3	1.3	
Cocoa Paste	2.3	2.1	3.7	3.5	2.4	
Crude Petroleum (Oil)	18	19	26	16	7.2	
Gold	44	30	23	41	57	
Nuts (Coconut / Brazil Nuts / Cashew)	0.87	1.2	1.5	2	3.8	
Palm oil	0.13	0.26	0.5	0.44	0.48	
Processed fish	0.92	0.0026	1.5	1.8	1	
Special purpose ships	0.088	3.2	0.048	0.45	0.017	

### **Factors Affecting Development**

**Physical factors -** The natural landscape (mountains / coasts / natural resources)

### Physical factors affecting development

Some areas have a hostile or difficult landscape. This can make development more difficult. Examples of this are being landlocked (having no coast), having lots of mountains that are difficult to build infrastructure in. Some countries have an abundance of raw materials such as oil or precious minerals. These can be sold and the money invested into developing the country.

**Economic factors -** Something that is related to money (wealth / debt) Some countries have very high levels of debt. This means that they have to pay a lot of money in interest and repayments and there is very little left over for development projects.

## Geography: Week 1 Questions

- 1. What does GNI measure?
- 2. How does HDI differ from GNI?
- 3. What does infant mortality measure?
- 4. What does Literacy rate measure?

- 5. What was Ghana's biggest export in 2012?
- 6. What was Ghana's smallest export in 2016?
- 7. How much has Oil esports changed from 2012-2016?
- 8. What percentage of exports were Cocoa based in 2014?

Extended Writing Question: Outline the factors which affect Economic Development.

### Geography: Week 2 Revision - Oceans

**Marine ecosystem:** A community of plants and animals living together in their aquatic (salt water) environment such as oceans or seas.

Biotic: Living things (e.g., fish, coral, plankton).

Abiotic: Non-living things (e.g., water, sunlight, temperature).

Carbon sink: A natural environment that has the ability to absorb carbon

dioxide.

**Seagrass** is one of the ocean's most important habitats in the world.

There are many problems caused by overfishing:

### Waste from fishing

Fishing boats might have caught too many fish by accident. Countries have quotas which limit the amount of fish they can catch. Fish are often dead when they finally get thrown back into the water.

### By-catch

Bycatch is the incidental capture of non-target species such as dolphins, marine turtles and seabirds.

### **Threats to Seagrass**

In the last 40 years 35% of Seagrass meadows have been lost worldwide and in the UK it has been estimated at 92%. This is due to sea level rise, boats and dredging (scooping up the bottom of the seabed).

### What is being done to help Seagrass?

The National Marine Aquarium has been involved in setting up conservation areas in the Sound and restoring Seagrass meadows. Seagrass seeds are collected from healthy meadows, and planted into sand on 100% biodegradable mats, made from cotton and hessian. They are nurtured in our seagrass cultivation laboratory at the National Marine Aquarium, until the seedlings have become established into strong plants, which are then ready to be planted into the seabed.

## Geography: Week 2 Questions

- 1. What is a marine ecosystem?
- 2. What is the difference between Biotic and Abiotic?
- 3. What does the term Carbon Sink refer to?
- 4. Name one of the most important marine habitats.

- 5. Give a problem from overfishing?
- 6. What happens to dead/extra fish?
- 7. What is by-catch?
- 8. What percentage of seagrass has been lost in the UK?

Extended Writing Question: Explain how we can grow seagrass and why we should.

### Geography: Week 3 Knowledge Organiser: Revision

**Pollution** is the introduction of harmful materials into the environment. This is <u>harmful to living organisms</u> as a result of <u>human activity</u>. Scientists say that by 2050 there will be more plastic in the ocean than fish.

**Biodegrade:** A <u>process</u> that enables a substance to break down into <u>natural</u> <u>materials</u> in the environment <u>without causing harm.</u>

**Microplastics:** Extremely small pieces of plastic which has been broken down

### How bad is single-use plastic?

This increase in plastic production leads to an increase in plastic pollution. This poses a major threat to our oceans and marine life. An estimated 33 billion pounds of plastic enter the marine environment every year. That's two-garbage truck's worth of plastic that enters the ocean every minute, according to Oceana.1 Nov 2023

### 5 facts about plastic pollution

- 1. Only 9% of all plastic produced is recycled.
- 2. A whopping 2 million plastic bags are used every minute worldwide.
- 3. Single-use plastics are illegal in some parts of the world.
- 4. Every minute of every day a truckload of plastic is dumped into the ocean.
- 5. 73% of beach litter worldwide is plastic.

### Where is plastic pollution happening the most?

The **Great Pacific Garbage Patch (GPGP)** is a floating island of plastic debris in the north-central Pacific Ocean. It's the largest accumulation of plastic in the world.

### Plastic pollution is becoming an increasing problem to tourism due to:

- Turtles eat microplastics and end up dying of malnutrition, therefore less turtles in the area leading to less tourists visiting
- Plastic covering the golden sandy beaches which attract tourists (especially on wellness breaks)
- Fishermen and local restaurants are affected due to catching polluted fish or having less fish to catch.

## Geography: Week 3 Questions

- 1. What does the term pollution mean?
- 2. What will happen by 2050?
- 3. Biodegradable is when....
- 4. Explain what a microplastic is?

- 5. How much plastic enters the ocean in a year?
- 6. Give a fact about plastic pollution.
- 7. Give a second fact about plastic pollution.
- 3. What is the GPGP?

Extended Writing Question: Explain why plastic pollution is a problem for tourism?

## Geography: Week 4 Knowledge Organiser: Threats to Oceans - Climate change

Climate Change: The long term shift in temperature and weather patterns.

### **Impacts on the Oceans:**

**Ocean Warming:** Happening faster as more CO<sub>2</sub> in the atmosphere. The change in temperature is killing corals (known as bleaching) and forcing some animals to live in other parts of the ocean.

Sea Ice Loss: Warmer oceans are melting the ice faster meaning species like the polar are losing their habitat.

**Sea Level Rise**: Caused in part by water expanding as it's heated and from land ice melting and flowing into the oceans. If all the land ice at the polar regions melted the sea level rise would be 65m.

Increased Storms: More frequent and more powerful. This is damaging coastal communities and coastal habitats.

**Ocean Acidification:** Carbon Dioxide dissolving into the oceans makes the water more acidic. Species including some commercially important (like lobster and shrimp) ones are adversely affected by this.

## Geography: Week 4 Questions

- 1. Describe ocean warming?
- 2. What is Sea Ice loss?
- 3. What is level rise?
- 4. How much would the sea rise if land ice melted?

- 5. What is climate change?
- 6. How does increased storms affect communities?
- 7. What dissolves in the ocean to make it more acidic?
- 8. Name a species that is affected by ocean acidification.

**Extended Writing Question:** Explain the impact of ocean warming.

### Geography: Week 5 Knowledge Organiser: Threats to Coral Reefs

**Temperature changes in the oceans** - If the ocean suddenly becomes too warm, this can be very harmful to corals. It causes the algae that live inside the coral tissue to be expelled. This process is known as bleaching because it turns the corals white. If bleaching continues for more than about four weeks, the corals may die.

**Storms** - Storms can damage the reef by causing big waves that break up the coral.

**Crown of Thorns** - Outbreaks of crown of thorns starfish can be very damaging to the reef. These starfish are specialist coral predators and can eat huge areas of the reef. Nearly half of the coral lost over the past 30 years on the Great Barrier Reef has been because of crown of thorns starfish.

**Run off** - Run off is the chemicals and soil washed out from nearby land onto the reef. You can see large amounts of soil being washed out to sea in this satellite image. This can cause problems from the reef in two main ways. Soil washed onto the reef can cover the coral and kill it. Chemicals, like fertiliser from farming, or even sewage, can cause algae to grow faster and take over the reef.

**Tourism** - Tourists can harm the reef if they knock and break the fragile coral. Tourist boats like this one can also harm the reef if they are not careful where they anchor. Some tourists still take bits of coral home with them as souvenirs.

## Geography: Week 5 Questions

- 1. What does warm water do to coral?
- 2. How many weeks of coral bleaching will cause coral to die?
- 3. What do storms do to coral reefs?
- 4. What is Crown of Thorns?

- 5. What percentage of coral has been eaten by Crown of Thorns?
- 6. Over how many years has the Great Barrier Reef been destroyed by the Crown of Thorn?
- 7. What is runoff?
- 8. How does algae damage coral reefs?

**Extended Writing Question:** Why is tourism bad for coral reefs?

## Geography: Week 6 Knowledge Organiser: How to protect Coral Reefs

Reduce carbon emissions: By tackling climate change, we can help reduce the warming of oceans.

#### What We Can Do:

- Use less energy: Turn off lights and appliances when not in use. Use energy-efficient light bulbs and appliances.
- **Drive less:** Walk, bike, or use public transportation. Choose electric or hybrid vehicles that produce fewer emissions.
- Support renewable energy: Advocate for and support the use of renewable energy sources like solar and wind, which don't contribute to carbon
  emissions.
- Reduce, Reuse, Recycle: Minimize waste by recycling materials and reusing items, particularly plastics, which often end up in the ocean.

Sustainable fishing: Support sustainable fishing practices and avoid buying products made from endangered species.

Reduce plastic waste: Educate about recycling, reusing, and reducing plastic to prevent it from entering the oceans.

Support marine protected areas (MPAs): Encourage students to visit or support places where reefs are protected by law.

Eco-tourism: Promote reef-friendly tourism that respects marine life and doesn't damage the environment.

### What We Can Do:

- Choose eco-friendly tours: When traveling to a coral reef destination, choose tour operators that follow sustainable practices, such as using eco-friendly boats and guides who promote reef-safe behavior.
- **Do not touch or collect coral or marine life:** Teach others the importance of leaving the reef and its inhabitants undisturbed.
- Respect marine life: Stay at a safe distance from corals, fish, and other marine species. Avoid using sunscreens that contain chemicals harmful to corals (like oxybenzone and octinoxate).

## Geography: Week 6 Questions

- 1. How can we reduce the warming of the oceans?
- 2. Give an example of how we can reduce carbon emissions.
- 3. What can we do to be more sustainable?
- 4. How can we reduce plastic waste?

- 5. What does MPA stand for?
- 6. What is eco tourism?
- 7. How could a tour be eco-friendly?
- 8. Why is some sun cream bad?

**Extended Writing Question:** Explain how tourism, if done right can help coral reefs.

## History: Week 1 Knowledge Organiser: Diversity in Britain over time

### Key words;

**Diversity**- A Mixture of races and religions that make up a group of people.

**Immigration-** Act of leaving a country to settle elsewhere.

### **Key Information**

### Ivory Bangle Lady

The grave of a young woman was discovered in 1901 in Sycamore Terrace York; she was buried in a stone sarcophagus with very rich grave goods in the later 4th century. The objects placed into her grave included bracelets made from local jet and more exotic ones made of ivory. Recently, the skull and teeth of her skeleton, which have been stored in the Yorkshire Museum, were examined by scientists at the University of Reading.

The shape of her skull suggests that she had North African ancestry; this is not very surprising in a place like York, where inscriptions and written sources mention Africans.

### **Tudor History**

### John Blanke

John Blanke is the only Black Tudor with an identifiable image; he served under two Tudor Kings (Henry VII and Henry VIII) and likely came to England in the entourage of Catherine of Aragon as one of 8 Royal Trumpeters.

### **Jacques Francis**

Francis worked for a man called Piero Paolo Corsie who was paid £50 to recover weapons on the sunken ship the Mary Rose. Francis led a salvage team and when his master Corsie was accused of stealing from the ship Francis became the first black person to give evidence in an English court.

### Abolition and Apprenticeships.

Following campaigning and work by men such as Granville Sharp, Olaudah Equiano and William Wilberforce slavery was abolished on the 1st August 1834. Ex Slaves were not immediately freed and were forced to work as 'apprentices' for their masters for terrible wages, some said life was worse under the apprentice system, for example James Williams wrote a report of his life under the apprentice system in which he says ex slave owners were angry and bitter about the ending of slavery and while he had never been flogged under slavery he had been flogged seven times under the apprenticeship scheme. Houses of correction were also set up for those who refused in which people were flogged and forced onto 'treadmills'.

The apprentice scheme ended in 1838, 2 years earlier than planned partly due to James Williams' report.

- 1. Where was the grace of the Ivory lady found?
- 2. What objects were found in her grave?
- 3. Where do Scientists think she originally came from?
- 4. Who was John Blanke?

- 5. Who did Blanke come to England with?
- 6. What was Jacques Francis the first person to do?
- 7. Where did ex slaves first work?
- 8. What was worse about this new place of work?

**Extended Writing Question:** How do these case studies show there has been diversity in Britain for a long time?

## History: Week 2 Knowledge Organiser: Diversity and War

### **Key Dates**

1914-1918 - First World War broke out July-November 1916 - Battle of the Somme

### **Key facts**;

- During the First World War Britain owned approximately ½ of the globe, the people from the British Empire helped Britain to fight in the war.
- India sent the most soldiers. At that time, India included both Pakistan and Bangladesh.
- **India** sent 1,440,437 troops
- However, they were not allowed to train as officers and white English nurses were not allowed to treat Indian soldiers.
- Among the colonial non-white troops of the British empire, only Indians were allowed to fight in Europe.

### Case Study:

- Walter Tull was born on 28 April 1888 in Folkestone, Kent His father was from Barbados and his mother from Kent.
- Tull played for Tottenham Hotspur
- At the start of the First World War Tull joined the 17th (1st Football) Battalion of the Middlesex Regiment as a Lance-Corporal.
- In 1915 he served in France and was later placed in hospital for shell shock. In 1916, he returned to action in September and fought in the Battle of the Somme
- Walter Tull is considered the first African-Caribbean mixed heritage man to be commissioned as an infantry officer in the British Army.

History: Week 2 Questions	
<ol> <li>How much world did Britain have in its empire at the start of the First World War?</li> <li>Which country sent the most troops?</li> <li>What were troops from India not allowed to do?</li> <li>what were Indian troops allowed to do that other races were not?</li> </ol>	<ul><li>5.Where was Walter Tull from?</li><li>6.Which team did Tull play for?</li><li>7.Where did Walter Tull fight during the War?</li><li>8.What was Walter Tull the first Afro-Caribbean mixed heritage man to be?</li></ul>

## **Extended Writing Question:**

How did war change the lives of non white Britons?

## History: Week 3 Knowledge Organiser: Windrush

### **Key words**

Migrated – to go from one country to another.

Empire Windrush - the ship many people moved to England on

Tilbury - A place in Essex.

British nationality Act 1948 - citizens of the Commonwealth have status in Britain with a British passport

### **Key Information**

## **Background**

- In 1945 the Second World War ended leaving British cities destroyed from the Blitz.
- In the same year Winston Churchill lost the general election to Clement Attlee who was the leader of the labour party.
- In 1948 Attlee's government created the National Health Service (NHS) to help improve the health of the British Public.

### The Windrush

The HMT Empire Windrush was a ship which travelled from the Caribbean to Britain in 1948. In June of that year the ship arrived at Tilbury near London. There were 1027 people on board from different countries in the Caribbean. This included men, women and children. Many people on board were tailors, mechanics and carpenters. The Empire Windrush, which left Jamaica on May 24, 1948 and arrived at Tilbury dock on June 22, 1948. According to a passenger on the ship, the journey from Jamaica to the UK took about 22 days, which to them was a long journey.

It wasn't easy for the new arrivals. The weather is much colder in Britain. Some people were very rude and racist to them which meant that it was much harder to rent rooms, get jobs and even go into some shops.

<b>History:</b>	Week 3	Questions
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- 1. When was the British nationality act?
- 2. What did this give people from the Commonwealth?
- 3. Why did people want to come to Britain
- 4. Where did the Windrush sail from?

- 5. Where in Britain did the Windrush dock?
- 6. How long had the journey taken?
- 7. How many people were on board the ship?
- 8. What experience did the people on the Windrush get when they arrived in Britain?

## **Extended Writing Question:**

Do you think the treatment of the windrush passengers was fair?

Key Words  Commonwealth: An association of Britain and its former colonies.  Riot - a violent disturbance by a crowd.  Teddy Boy - a gang culture common in the 1950's.  Key Dates  1958 - Nottingham and Notting hill race riots	<ul> <li>Key Facts <ul> <li>Job losses and gangs of Teddy Boys caused racial tension in England.</li> <li>During the 1958 Race Riots Teddy Boys attacked five black men in Shepherd's Bush, London, and Notting Hill, leaving three seriously injured.</li> <li>Crowds of white youths, reportedly numbering 400, chased the Caribbean population in the area.</li> <li>Petrol bombs and milk bottles were launched as missiles, and some rioters armed themselves with iron bars and butcher's knives.</li> <li>140 people were arrested following the Notting Hill Riots.</li> </ul> </li> </ul>
History: Week 4 Questions	
1. What are Teddy Boys?	5. How many people were arrested?
2. When were the Notting Hill Riots?	6. What is the Commonwealth?
How many white youths were involved?	7. Which act gave people of the empire British Citizenship?
4. Name two methods of violence used in the attacks	8. Which ship docked in Essex on the 22nd June 1948?

History: Week 5 Knowledge Organiser: Politics				
Key Words Act - Law Civil Rights - protect individual freedoms MP= Member of Parliament	Key Facts In 1962 - The commonwealth immigration Act Introduced a voucher syste only immigrants with a valuable skill or who could do a job could get a voucher. The 1965-66 Race Relations Act. Made it illegal to discriminate (treat differently) against any person because of their colour or race. The 1968 Race Relations Act Made discrimination in areas such as house and jobs illegal In 1968 conservative MP Enoch Powell delivered a speech called the Riv of Blood Speech. Enoch Powell's Rivers of Blood speech ended his care he was sacked from the government by Edward Heath, the speech language that stirred up in the immigration debate turning people more against immigration.			
History: Week 5 Questions				
From 1962 what did people need to have to move to England?     When was the first Race Relations Act?     What did the Race Relations Act do?     Who gave the Rivers of Blood speech?  Extended Writing Question:	<ul> <li>5. Who sacked Enoch Powell?</li> <li>6. Which political party did Powell belong to?</li> <li>7. When were the Notting Hill riots?</li> <li>8. How many people were arrested after the Notting Hill riots?</li> </ul>			

## History: Week 6 Knowledge Organiser: Sports and Civil rights

### Jack Leslie

Leslie who was the only professional black player in England when he played for Plymouth Argyle between 1921 and 1934. He scored more than 137 goals for Argyle in 401 appearances and remains the Pilgrims' fourth highest goal-scorer of all time. It is believed that Leslie was set to become the first black player to represent England but was denied the opportunity when selectors were made aware that he was "a man of colour". It was therefore not until 1978 that the first black player appeared in an England shirt.

It was decided at statue of Plymouth Argyle legend and black footballing pioneer Jack Leslie should be a landmark feature outside of Home Park. The Liverpool-based Andy Edwards designed the seven-foot bronze recreation of Leslie which was unveiled early in 2022

### **Jimmy Peters**

Jimmy Peters was an English rugby union player and, later, a rugby league footballer. In 1906 he became the first black man to play rugby union for England. He was the only Black rugby player to play for England until 1988. Peters moved to Plymouth in 1902 and played for Plymouth RUFC, and the Devon countryside until 1909. It was during this time that he was picked to play for England.

History:	Week 6	Questions
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- 1. When did John Leslie play for Plymouth?
- 2. How many goals did he score?
- 3. How many appearances did he make?
- 4. Why was he not allowed to play for England?

## 5. How has Plymouth remembered John Leslie?

- 6. What sport did Jimmy Peters play?
- 7. What was unusual about Jimmy Peters?
- 8. When did he stop playing for Devon?

## **Extended Writing Question:**

In your opinion was it right to stop John Leslie playing for England? Why?

J'écoute toujours	du jazz	jazz			amusant(e)	fun
l always listen to	du rap	rap		parce que c'est	spécial(e)	special
Je préfère écouter  I prefer to listen to	du rock	rock		car c'est  because it is	intéressant (e)	interesting
	de la musique pop	)	pop music	puisque c'est	divers (e)	diverse
Je n'écoute jamais de (du / de la)				since it is	parfait(e)	perfect
I never listen to	de la musique clas	sique	classical music	Since it is	traditionnel(le)	traditional
	de la musique élec	ctronique	electronic music		extraordinaire	extraordinary
J'écoute toujours					différent(e)	different
I always listen to	le chanteur la chanteuse	the singer the singer		parce qu'il / elle est car il / elle est	étonnant(e)	amazing
Je préfère écouter				because he / she is	passionnant(e)	exciting
I prefer to listen to	le groupe	the band/g	roup	puisqu'il / elle est	ennuyeux(euse)	boring
Je <b>n'</b> écoute <b>jamais</b> I never listen to	l'artiste	the artist		since he / she is	affreux(euse)	awful

## French: Week 1 Questions - la musique

### Translate into English.

- 1. J'écoute toujours du jazz.
- 2. Je préfère écouter de la musique classique.
- 3. Je n'écoute jamais l'artiste Taylor Swift.
- 4. J'écoute toujours du rock car c'est traditionnel.

## Translate into French.

- 5. I always listen to pop music.
- 6. I never listen to the singer Justin Bieber.
- 7. I prefer to listen to rap music since it is diverse.
- 8. I always listen to electronic music since it is different.

Extended Writing Question: (at least 3 full sentences in FRENCH)

Qu'est-ce que tu écoutes comme musique? (What music do you listen to?)

Please use your KOs from HT1 and HT2 to revise. (They have been added to your Google classroom if you have lost your paper copy)				
rench: Week 2 Questions - Revision				

# French: Week 3 Knowledge Organiser: - Revision Please use your KOs from HT1 and HT2 to revise. (They have been added to your Google classroom if you have lost your paper copy) French: Week 3 Questions - Revision Translate into English. Translate into French. 1. Quelquefois, je ne m'entends pas bien avec mon grand-père. 1. I prefer my step-mum because she understands me. 2. La personne que j'admire, c'est mon copain car il garde mes secrets. 2. To be in shape, I try to eat rice and vegetables. 3. Souvent, comme plat principal, on prend un sandwich. 3. From time to time, for dinner, I have (take) cheese. 4. Normalement, pour rester en bonne santé, on mange des fruits. 4. She is simply happy and quite self confident. Extended Writing Question: (at least 3 full sentences in FRENCH) Tu t'entends bien avec tes parents? (Do you get on well with your parents?)

## French: Week 4 Knowledge Organiser: La musique

	du jazz	jazz			
	<b>du</b> rap	rap		amusant(e)	fun
Ma mère écoute My mum listens to	du rock	rock	parce que c'est car c'est	spécial(e) intéressant (e)	special interesting
Mon frère écoute	de la musique pop		because it is	divers (e)	diverse
My brother listens to		pop music	puisque c'est	parfait(e)	perfect
Mon meilleur ami écoute	de la musique clas	sique classical music	since it is	traditionnel(le)	traditional
My best friend listens to		ciassical masic		extraordinaire	extraordinary
Moi et mes amis écoutons	de la musique élec	ctronique electronic music		différent(e)	different
My friends and I listen to	le chanteur	the singer	parce qu'il / elle est	étonnant(e)	amazing
Mes parents écoutent	la chanteuse	the singer	car il / elle est	passionnant(e)	exciting
My parents listen to	le groupe	the band/group	because he / she is	ennuyeux(euse) affreux(euse)	boring awful
	l'artiste	the artist	puisqu'il / elle est since he / she is		<b>y</b>

## French: Week 4 Questions - La musique

### Translate into English.

- 1. Ma mère écoute de la musique pop car c'est passionnant.
- 2. Mes parents écoutent le groupe Metallica car il est étonnant.
- 3. Moi et mes amis écoutons du jazz puisque c'est amusant.
- 4. Mon frère n'écoute pas (doesn't) du rap car c'est affreux.

### Translate into French.

- 5. My best friend listens to electronic music.
- 6. My parents listen to the artist Ariana Grande because she is special.
- 7. My friends and I listen to the group Nirvana because he is amazing.
- 8. My mum listens to rock since it is extraordinary.

Extended Writing Question: (at least 3 full sentences in FRENCH)

Qu'est-ce que ta mère écoute comme musique?

(What music does your mother listen to?)

## French: Week 5 Knowledge Organiser: - la musique

Mon chanteur préféré est My favourite <i>singer is</i>			j'admire	I admire	sa musique	his/her music
Mon groupe préféré est My favourite band/group			j'aime	I like	sa voix	his/her voice
Mon artiste préféré est	parce que		j'adore	I love	son rythme	his/her rhythm
My favourite artist	car	because	je préfère	I prefer	son son	his/her sound
Ma chanteuse préférée est My favourite singer is			je n'aime pas	I don't like	son style	his/her style
	puisque					
Je n'aime pas		since			ses chansons	his/her songs
I don't like			je déteste	I hate	ses concerts	his/her concerts
Je déteste I hate			je ne supporte pas	I can't stand	ses paroles	his/her lyrics

## French: Week 5 Questions - la musique

### <u>Translate into English.</u> The name of artists / bands will not change.

- 1. Mon chanteur préféré est **Bruno Mars** car j'aime sa voix.
- 2. Mon groupe préféré est **Imagine Dragons** puisque j'adore ses chansons.
- 3. Ma chanteuse préférée est Adèle parce que j'admire sa voix.
- 4. Mon artiste préféré est **Beyoncé** car j'adore sa musique.

<u>Translate into French.</u> The name of artists / bands will not change.

- 5. My favourite singer (f) is **Lady Gaga** because I admire her voice.
- 6. My favourite band is **Maroon 5** because I prefer his style.
- 7. My favourite artist is **Ed Sheeran** since I love his songs.
- 8. My favourite singer (m) is **Eminem** because I like his sound.

Extended Writing Question: (at least 3 full sentences in FRENCH)

Quel est ton artiste préféré? (Who is your favourite artist?)

	I				I	1
					j'admire <i>I admire</i>	
					j'aime I like	sa musique his/her music
J'écoute toujours I always listen to	du jazz jazz du rap rap	parce que c'est car c'est	amusant	fun	j'adore <i>I love</i>	sa voix his/her voice
Je préfère écouter I prefer to listen to	du rock rock de la musique pop pop music	because it is puisque c'est	spécial intéressant	special interesting	je préfère <i>I prefer</i>	son rythme his/her rhythm
Je <b>n'</b> écoute <b>jamais de</b> ( <del>du / de la)</del> I never listen to	de la musique classique classical music	since it it	divers parfait	diverse perfect	je n'aime pas I don't like	son son his/her sound
	de la musique électronique electronic music		traditionnel extraordinaire	traditional e extraordinary	je déteste <i>I hate</i>	son style his/her style
		parce qu'il / elle est	différent étonnant	different amazing	je ne supporte pas I can't stand	
Ma mère écoute My mum listens to	le chanteur the singer	car il / elle est because he / she is	passionnant ennuyeux	exciting boring	elle aime she likes	ses chansons his/her songs
Mon frère écoute  My brother listens to	le groupe the band/group	puisqu'il / elle est since he / she is	affreux	awful	il adore he loves	ses concerts his/her concerts
Mon meilleur ami écoute  My best friend listens to	l'artiste the artist				nous aimons we like	ses paroles his/her lyrics
Moi et mes amis écoutons  My friends and I listen to					ils adorent	ms/ner lyncs
Mes parents écoutent  My parents listen to					they love	

### French: Week 6 Questions - la musique Translate into English. Translate into French. 1. J'écoute toujours du jazz car c'est traditionnel. 5. My mum listens to classical music because it is special. 2. Je préfère écouter de la musique classique puisque c'est parfait. 6. I never listen to the singer Justin Bieber since he is boring. 3. Moi et mes amis écoutons du rock puisque c'est amusant. 7. I prefer to listen to pop music since it is amazing. 4. Ma chanteuse préférée est **Taylor Swift** parce que j'admire ses chansons. 8. My best friend listens to electronic music since it is interesting. Extended Writing Question: (at least 3 full sentences in FRENCH) Qu'est-ce que tu écoutes comme musique et pourquoi? (What music do you listen to and why?)

# Spanish: Week 1 Knowledge Organiser:

	música jazz	jazz		divertido/a	fun
Escucho  I listen to	música rap	rap music		especial	special
		•	porque es because it is	interesante	interesting
Prefiero escuchar  I prefer to listen to	música rock	rock music	20000001110	variado/a	diverse
i prejer to listeli to	música pop	pop music	dado que es  because it is	perfecto/a	perfect
Nunca escucho  I never listen to	música clásica	classical music	beeddse it is	tradicional	traditional
Thever instent to	Triusica ciasica	ciassical masic		extraordinario/a	extraordinary
	música electrónica	electronic music	▼	diferente	different
	el cantante	the (male) singer	porque es	Increíble	amazing
	la cantante	the (female) singer	because he / she is		(incredible)
	el grupo	the band/group	/they are	emocionante	exciting
		Alice constitute		aburrido/a	boring
	el/la artista	the artist		horrible	awful

## **Spanish: Week 1 Questions**

- 1. Escucho música rap porque es divertido
- 2. Nunca escucho música jazz
- 3. Prefiero escuchar el grupo **Coldplay** porque es extraordinario
- 4. Escucho música rock porque es variado

- 5. I always listen to pop music.
- 6. I never listen to the singer Justin Bieber.
- 7. I prefer to listen to rap music because it is diverse.
- 8. I always listen to electronic music because it is different.

**Extended Writing Question: (**At least three full sentences in Spanish.)

What music do you listen to and why? ¿Qué música escuchas y por qué?

Please use your KOs from HT1 and HT2 to revise. (They have been added to your Google classroom if you have lost your paper copy)					
(They have been added to your Goo	igic classicom il you nave lost your paper copy				
iah: Waak 2 Quaationa					
	E Often I have a good relationship with my Avint				
Tiene los ojos azules.	5. Often I have a good relationship with my Aunt 6. My role model is my mum because she helps me				
Tiene los ojos azules. Soy más sociable que mi hermana. Me llevo bien con mi hermana porque es interesante.	<ul> <li>5. Often I have a good relationship with my Aunt</li> <li>6. My role model is my mum because she helps me</li> <li>7. I admire my mum because she is responsible.</li> </ul>				

Please use your KOs from HT1 and HT2 to revise. (They have been added to your Google classroom if you have lost your paper copy)						
	(They have been added to your Goo	gle classroo	m if you have lost your paper copy)			
ani	ish: Week 3 Questions					
	Para la cena cocinamos la tortilla española.	5.	I like to drink a lot of water.			
	Me gustaría la carne porque es saludable.	6.	Sometimes I drink lemonade.			
	Para empezar, me gustaría un bocadillo	7.	At home, I like to eat fruit.			
		8.	After school, we drink coffee.			

	música jazz	jazz			divertido/a	fun
	música rap	rap music			especial	special
				porque es	interesante	
Mi madre escucha	música rock	rock music		because it is	interesting	
My mum listens to	música pop	pop music		dado que es	variado/a	diverse
Mi hermano escucha	música clásica	classical m	usic	because it is	perfecto/a	perfect
My brother listens to					tradicional	
Mi mejor amigo/a	música electrónica music	a elect	ronic		traditional	
My best friend listens to				extraordinario/a		
Mis amigos y yo					extraordinary	
escuchamos	el cantante	the (male) the (femal		porque es because he /	diferente	different
My friends and I listen to		the geman	-,	,	Increíble	amazing
Mis padres escuchan	singer			she is /they		
My parents listen to	el grupo	the band/	group	are	(incredible)	
	el/la artista	the artist.			emocionante	exciting
	.,				aburrido/a	boring
					horrible	awful
Week 4 Questions						
hermano escucha música pop			5. N	ly best friend liste	ns to electronic mus	sic.
papá escucha música clásica			6. N	ly parents listen to	the artist Ariana G	
artista favorita es extraordinaria madre escucha la cantante Adele				oecial. Iv friends and Llist	ten to the group Nir	vana hecause it is
			, , IV	iy iriciius aliu i lisi	ion to the group Mil	varia because it is

**Extended Writing Question:** (At least three full sentences in Spanish.) What music does your mum listen to? ¿Qué música escucha tu mamá?

## Spanish: Week 5 Knowledge Organiser:

			admiro	I admire	su música	his/her music
Mi cantante favorito es			me gusta	I like	su voz	his/her voice
My favourite (male) singer is	porque		me encanta	I love	su ritmo	his/her rhythm
Mi cantante favorita es  My favourite (female) singer is	ı	because	prefiero	l prefer	su sonido	his/her sound
Mi grupo favorito es			no me gusta	I don't like	su estilo	his/her style
My favourite band/group	dado que	because				
Mi artista favorito/a es My favourite artist	'	because			sus cancion	es his/her songs
iviy tavourite artist			odio	I hate	sus conciert	os his/her concerts
			no soporto	I can't stand	sus letras	his/her lyrics

## **Spanish: Week 5 Questions**

- 1. Mi artista favorito es KSI porque admiro su estilo
- 2. Mi grupo favorito es ABBA porque prefiero sus canciones
- 3. Mi cantante favorita es Billie Eilish porque me encanta su sonido
- 4. Mi cantante favorito NO es Ed sheeran dado que odio sus letras

The name of artists / bands will not change.

- 9. My favourite singer (f) is **Lady Gaga** because I admire her voice.
- 10. My favourite band is **Maroon 5** because I prefer his style.
- 11. My favourite artist is **Ed Sheeran** because I love his songs.
- 12. My favourite singer (m) is **Eminem** because I like his sound.

**Extended Writing Question: (**At least three full sentences in Spanish.)

Who are your favourite singers and why ¿Quienes son tus cantantes favoritas y por qué?

Escucho  I listen to  Prefiero escuchar  I prefer to listen to  Nunca escucho  I never listen to	música jazz jazz  música rap rap music  música rock rock music  música pop pop music  música clásica classical music  música electrónica electronic  music	porque es because it /he /she is	tradicional <i>traditional</i>	rse   I love   prefiero   I prefer
Mi madre escucha	music	dado que es because it is		no soporto / can't stand
My mum listens to  Mi hermano escucha My brother listens to  Mi mejor amigo/a	el cantantethe (male) singer la cantantethe (female) singer		(incredible) emocionante exciting	he/ she likes le encanta he/ she loves
My best friend listens to  Mis amigos y yo escuchamos  My friends and I listen to	el grupo the band/group el/la artista the artist		aburrido/a boring horrible awful	nos gusta we like
Mis padres escuchan  My parents listen to				les encanta they love

Spanish: Week 6 Question
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- 1. Mis amigos y yo escuchamos música clásica porque es diferente
- 2. Prefiero escuchar la música pop porque es emocionante
- 3. A mi madre le gusta el cantante Robbie Williams
- 4. A mi hermano le gusta el grupo Nirvana porque es especial
- 5. My mum listens to classical music because it is special.
- 6. I never listen to the singer Justin Bieber because he is boring.
- 7. I prefer to listen to pop music because it is amazing.
- 8. My best friend listens to electronic music because it is interesting.

**Extended Writing Question:** (At least three full sentences in Spanish.)

What music don't you listen to and why? ¿Qué música no escuchas y por qué?

### Modern Britain: Week 1 Knowledge Organiser: Tolerance & Mutual Respect

### **Keywords:**

**Terrorism** - the use of threat or action against a person or property to scare innocent people and also have that loss of life from 1 person to thousands of people.

**International Terrorism** - terrorism that has happened in other countries.

### **Key Information**

The Houses of Parliament can be found in Westminster, London. It is the most central point of the country and where the Prime Minister and 650 members of parliament work, Monday to Friday.

The Westminster Attack happened at the Houses of Parliament on the 22nd March 2017. This attack on parliament was seen as international terrorism. This was a serious incident outside Parliament in London. Five people were killed, including the attacker who was shot by armed police at the Houses of Parliament. Scotland Yard, who are in charge of the police force in London, said the attacker was a 52 year old male, called Khalid Masood. They believed that the attacker acted alone that day and believed that he was influenced by international terrorism. Scotland Yard also confirmed that there was no further information or intelligence to suggest that there was going to be any further attacks.

Counter Terrorism Police work every single day and night to keep everyone safe in the UK from any attacks of terrorism. London is a safe place and the specialist terrorism police are working 24/7 stopping any potential threat to the country. Counter terrorism police work alongside other countries to help stop terrorism around the world.

Modern Britain: Week 1 Questions	
<ol> <li>What does terrorism mean?</li> <li>Where are the Houses of Parliament?</li> <li>Who is in charge of the police force in London?</li> <li>How old was the attacker?</li> </ol>	<ul><li>5. What is international terrorism?</li><li>6. Where did the terrorism attack happen?</li><li>7. What was the name of the attacker?</li><li>8. How many people work in parliament?</li></ul>

**Extended Writing Question:** Explain why it is important that we have counter terrorism police in the UK.

## Modern Britain: Week 2 Knowledge Organiser: Revision AP 1 Diversity

### **Keywords**

Diversity - each individual is unique and recognises our individual differences

Ethnicity - a social group that shares a common distinctive culture, like a language and religion

White Privilege - societal privilege that benefits white people over black people

Democracy - for the people by the people

Dictatorship - a ruler who will tell people what is happening for their own benefit as a dictator of people or political goal

Parliament - the highest legislature, consisting of 3 parts of parliament, House of Commons, House of Lords and the Monarchy

Speaker of the House - this person chairs the business of the house of commons and will keep MP's in check and in order during debates

BAME - Black, Asian and minority ethnic

### **Key Information**

**Diversity -** each individual is unique and different and it would be really boring in society if we were all the same. Diversity can be seen in music, language, food, clothing, books, films and different people who live in our community. We learn alot from diversity and we are encouraged to accept others for who they are. We accept the different cultures in contemporary modern Britain which allows us to be inclusive for all cultures. We can learn from others what a language can be like and similar words can be used and understood. We can take different types of food and enjoy them at any time; we can order our favourite takeaway and explore a national dish like a curry, a pizza from Italy, a burger from the USA and we can also accept our favourite UK dishes of a roast dinner or fish and chips. We can also see diversity in religion and what people can believe in. Equality in the UK is so important because as individuals it is crucial that we explore all the diversity that we can see, hear, smell and taste to live together in our communities in harmony.

Mode	Modern Britain: Week 2 Questions							
1. 2. 3. 4	What does dictatorship mean? What does diversity mean? Where can we see diversity? Identify 5 things where we can see diversity	5. 6. 7.	Identify a dictator (past or present) What is the nation's favourite dish? What does BAME mean? What is white privelege?					
4.	Identify 5 things where we can see diversity	8.	What is white privelege?					

**Extended Writing Question:** Why is it important to be inclusive in our community?

### Modern Britain: Week 3 Knowledge Organiser: Revision AP 1 Democracy

### **Keywords**

Democracy - for the people by the people

Prime Minister - a person who is in charge of government and also a political party leader, Sir Keir Starmer and leader of the Labour party

Opposition - people who are against the government and who is in power - currently the Conservative party

Ballot box - a sealed box where people can place their ballot papers in a secure way

Polling station - a place where people who want to vote need to go to so that democracy can take place

Political party - a group of politicians who believe in the same issues and beliefs and have a colour and image that represents them

Hierarchical - the order of how things are done

Bill - this is a new law in the making which is discussed between two houses in parliament

Manifesto - a declaration of intention which a political party say they are going to do in parliament

### **Key Information**

**Democracy** - for the people by the people is the most important issue when we live in a democracy. People who are able to vote have a chance to have their say in political matters which will affect everyone who lives in the UK. Recently we had the general election in July 2024 for the UK and the people of the UK voted to have a new prime minister and political party in parliament. People can vote for any political party and member of parliament who they consider will do a good job on issues like the NHS, making it better for everyone; Education, climate change and new jobs. When people vote they go to a polling station and collect their ballot paper which then enables them to choose who they want to lead the country. They do this by putting an 'X' on the ballot paper which means that they have had a say in democracy and actively taken part to make a difference.

Mode	Modern Britain: Week 3 Questions							
1. 2. 3. 4.	What does democracy mean? What is a manifesto? Who is in opposition? Who is the Prime Minister?	5. 6. 7. 8.	What is a 'Bill'? What items will Labour be discussing in parliament? What is a ballot box? What is a polling station?					
Exter	Extended Writing Question: Why is it important that we live in a democracy?							

### Modern Britain: Week 4 Knowledge Organiser: Dirt Week

### **Key terms**

Houses of Parliament - a place where 3 houses work together to support democracy in the UK

Political Party

BAME - Black, Asian and minority ethnic

Hierarchy - the order of how things are done

Zakah - giving money to support those in need and less fortunate

### Review

Parliament consists of 3 houses, House of Commons, House of Lords and the Monarchy. The monarchy consists of the King. Within parliament the MP's will work in the House of Commons on a Monday to Friday. They will each have their own manifesto's which they will work through to ensure that the people of the UK are being listened to and supported. Each political party has a hierarchy which is led by the leader of the party and then deputies to support the work of the leader and even the Prime Minister.

The main six world religions consist of Christianity, Islam, Judaism, Hinduism, Buddhism and Sikhism. You will find all of these religions in the UK. They are all full of diversity and inclusion for all faiths. To support everyone in a faith, in Islam, Muslims give Zakah to support the most needy to live each day and to attend their annual pilgrimage to Mecca to be close to their God.

### Modern Britain: Week 4 Questions

- 1. Identify the 3 parts of parliament
- 2. What does the Chancellor of the Exchequer do?
- 3. Who has the symbol of the yellow bird for their political party?
- 4. Name the main six world religions

- 5. What does BAME stand for?
- 6. What does diversity mean?
- 7. What is Zakah?
- 8. What does hierarchy mean?

**Extended Writing Question:** Explain why there is a hierarchical structure in a political party.

## Modern Britain: Week 5 Knowledge Organiser: Tolerance & Mutual Respect - Westminster Attack 2

### **Keywords**

Religions - a particular system of faith and worship and followed by great devotion

Vigil - to keep watch or pray in a period of night time

Consequences - as a result of something that has happened

Cowed - not to bow down to terrorism - give in.

### **Key Information**

AS a consequence of the Westminster Attack, there was a ripple effect across all faiths in the UK and the world. The attack was not only felt by the colleagues of the police officer and the victims families but the wider community too. Injuries were life threatening and it took months and months for people to come to terms with the suffering and loss of loved ones. The effect this had on the people of London was one of solidarity. The whole city came together and attended a vigil for the people who died and for those who were injured. All cultures and faiths came together in Trafalgar Square in the evening and stood side by side in quiet thinking about the incident and those who were affected. The Muslim community were joined by all faiths in the City and showed that London will not be 'cowed' down to terrorism. Harmony and peace was the main purpose of the vigil to show kindness and love to everyone who had been affected by the incident. The police officer who died at the scene trying to stop the attacker from entering parliament has a permanent plaque outside of the Houses of Parliament as a memorial to his brave actions in saving lives.

Modern Britain: Week 5 Questions	
<ol> <li>What does vigil mean?</li> <li>What does consequence mean?</li> <li>Where is Trafalgar Square?</li> <li>What does cowed mean?</li> </ol>	<ul><li>5. Which city did the attack take place?</li><li>6. Which building was the attacker trying to enter?</li><li>7. Identify a faith that supported the people for the vigil</li><li>8. Where did we see solidarity?</li></ul>

**Extended Writing Question:** Explain the ripple effect of the Westminster Attack on the people of the UK.

### Modern Britain: Week 6 Knowledge Organiser: Tolerance & Mutual Respect - Muslim response to the attack

### **Keywords**

Islam - one of the main 6 religions of the world, means peace

Muslim - a follower of Islam

Mourning - the expression of sorrow for someone's death

Racial prejudice - making unkind remarks or giving views that can be seen as offensive to a particular group of students

Jihad - battling (struggling) your own sole in order to complete a task

### **Key Information**

The Westminster Attack happened on Westminster Bridge which is right next to the Houses of Parliament. This particular attack had a devastating effect on the religion of Islam and its followers who are known as Muslims. The attacker was a Muslim. This made people racially prejudiced towards all Muslims in the UK. It was felt that all Muslim people are terrorists. Society was quick to pick up on this and all faiths within the communities all came together to support the Muslim community and Islam as a religion. This attack put Muslims right into the limelight again as the attacker was a Muslim. Contrary to what some people read on social media, Muslims believe in peace and that killing innocent people is not accepted. Muslims look towards their God and ask for guidance in times of difficulty; their God Allah instructs them to see terrorism as an act of violence against innocent people and this does not exist in Islam. Muslims have a 'Jihad' when it comes to fighting and struggling to do what may be the right thing so they can go and live their lives in peace.

Modern Britain: Week 6 Questions							
1.	What does Islam mean?	5.	Who is a follower of Islam?				
2.	What is a Muslim?	6.	What does mourning mean?				
3.	Which capital city did the attack happen?	7.	Where did the attack happen?				
4.	Which London bridge did the attack happen on?	8.	What is a jihad?				

**Extended Writing Question:** Why did the Muslim community feel threatened after the Westminster Attack?

Algorithms, Programs and Variables					
Keywords	Knowledge				
Algorithm - a set of precise instructions, expressed in some sort of language.	<b>Algorithms:</b> An algorithm is a set of precise instructions, expressed in some sort of language (e.g. textual, visual). Understanding the language is necessary in order to execute the instructions. Executing these				
Program - a set of precise instructions (code), written in a	instructions is meant to solve a problem.				
programming language.	<b>Programs:</b> A program is a set of precise instructions, expressed in a programming language. Translating the				
<b>Execute</b> - when a programming language is converted into 'machine code' (binary) and run.	programming language into machine code (binary) is necessary for a machine to be able to execute the instructions.				
Variable - a name for a location in memory where data can be stored.	<b>Python Programs:</b> To execute a Python program, you need a Python interpreter. This is a program that translates and executes your Python program.				
Assignment - When a program stores some data in memory.	<b>Syntax:</b> All programming languages have rules for syntax, i.e. how statements can be assembled. Programs written in a programming language must follow its syntax. Programs with syntax errors cannot be translated and executed. Speech or text in a language must follow its syntax.				
String variable - data stored as text. Eg "hello".	Variables and Assignment				
Integer variable - data stored as a whole number.	This command will create a <b>string variable</b> called <b>name</b> and <b>assign</b> the value: "David". name = "David"				
Sequence - Instructions are processed one after the order	This command will create an <b>integer variable</b> called <b>hours</b> and <b>assign</b> the value: 24 hours = int (24)				

Hom	Homework Book Questions					
Q1	What is an algorithm?	Q5	What is an integer variable?			
Q2	What is a program?	Q6	What can a computer <u>not</u> do with a program that contains syntax errors?			
Q3	What is a variable?	Q7	What do you need to execute a program written in the Python programming language?			
Q4	What is a string variable?	Q8	In programming, what does an interpreter do?			

# **Extended Writing Question**

Explain the difference between an algorithm and a program.

Knowledge						
Otherwise, it will just say "Hello")  if user == "Elizabeth":     print ("Hello Your Majesty") else:     print("Hello")  Relational (or Comparison) Operators == The same as != Not equal to < Less than <= Less than or equal to > Greater than	ble, user and	Example Expressions  a == 1  b!= c  d < 3  d <= 3  d > 10	it will say, "Hello your Majesty".  Does a equal 1? Are b and c different? Is d less than 3? Is d at most 3? Is d greater than 10? Is d at least 10?			
	Otherwise, it will just say "Hello")  if user == "Elizabeth":     print ("Hello Your Majesty")     else:     print("Hello")  Relational (or Comparison) Operators == The same as != Not equal to < Less than <= Less than or equal to	The following will check the data stored in the variable, user and Otherwise, it will just say "Hello")  if user == "Elizabeth":     print ("Hello Your Majesty")     else:     print("Hello")  Relational (or Comparison) Operators  == The same as	The following will check the data stored in the variable, user and if the data is the same as "Liz"  Otherwise, it will just say "Hello")  if user == "Elizabeth":     print ("Hello Your Majesty")     else:     print("Hello")  Relational (or Comparison) Operators   Example Expressions == The same as   a == 1 != Not equal to   b != c < Less than   d < 3 <= Less than or equal to   d <= 3 < Greater than   d > 10			

Hom	Homework Book Questions					
Q1	What is a 'Boolean'?	Q5	What relational operator means "less than or equal to"			
Q2	What is a 'Library'?	Q6	What relational operator means "the same as"			
Q3	What is 'selection'?	Q7	What relational operator means "not equal to"			
Q4	What is meant by the term: iteration?	Q8	Write down an expression that means: Is <b>total</b> less than than <b>15</b>			

# **Extended Writing Question**

Explain why programmers may find a **library** (a set of pre-written code) useful when creating a new computer program.

While Loc	ops and Lists						
Keywords			Knowledge				
While - A type of loop that checks to see if a test is true each time it iterates (repeats the instructions in the block of code)			Then it uses a <b>while</b> loop to output t	the data stored in the <b>count</b> v	variable and	eates a <b>count</b> variable (and assigns it a value of 3). then reduce the value by 1 each time the loop olonger greater than or equal to (>=) 0	
<b>List</b> - A list is a collection of items that can be of different data types (e.g., numbers, strings). For example:			count = 3 while count >= 1:	state count 3	Output 3		
Index	Data Type	Item	print(count) count = count-1	count 2	2		
0	Text	"orange"	Count – count-1	count 1	1		
1	Number	27		count 0			
2 Number 3.43			When programming in Python, we create a list like the one in the example, using square brackets and commas to separate each				
3	Text	"apple"	item:				
4	Text	"banana"	myList = ["orange", 27, 3.43	, "apple", "banana"]			

Hom	ework Book Questions		
Q1	What is a while command used for?	Q5	In the example of a list, what item is at position 3 and what is it's data type?
Q2	What does the term 'iterate' mean?	Q6	Write the python code to create a list called <b>lessons</b> with 5 subjects you study listed.
Q3	In the example algorithm above, how many times will the code iterate?	Q7	In the example algorithm above, what happens to <b>count</b> with each iteration?
Q4	In the example algorithm above, what is the output from the program?	Q8	In the example algorithm above, what value does <b>count</b> have at the beginning?

# **Extended Writing Question**

Rewrite the algorithm above, so that the program will count down from 15 to 0, but in 2s. For example, 15, 13, 11, 9, 7, 5, 3, 1

Data and Information					
Keywords	Knowledge				
Data - Raw facts and figures that have no value	Data can come in a variety of types. For example:				
Data Types - the different 'formats' that data can be represented. For example, text and number.	Text	Where data is represented as alphanumeric characters and symbols.			
Text - Data that is represented as alphanumeric characters and symbols.		For the English language, Alphanumeric characters include letters (A to Z, a to z) and numerals (0 to 9). Other languages may contain different alphanumeric characters, such as ê, è and Ö.			
Number - Where data is represented as a set of digits.		as e, e and O.			
Binary - A way of representing numbers using the digits: 1 and 0.		Where data is represented as a set of digits.  Numbers can be integers (whole numbers) or real (numbers with a decimal place.  Sometimes, when programming real numbers are called float (short for floating-point			
Denary - A way of representing numbers using the digits: 0 to 9.		numbers).			
Boolean - Data that is represented as either True (1) or False (0).	Boolean	Where data is represented as either True or False.			
1 4130 (0).					

Hom	Homework Book Questions						
Q1	Write a definition of the term 'data'.	Q5	When storing number data, using the denary number system, how many digits are used?				
Q2	What data is represented using alphanumeric characters?	Q6	When storing number data, using the binary number system, how many digits are used?				
Q3	What data is represented using a set of digits?	Q7	Passwords often have to be 'alphanumeric'. Give an example of an alphanumeric password.				
Q4	What data is represented as either True or False?	Q8	Are the following numbers integers or real numbers: 45.2, 59 and -19?				

# **Extended Writing Question**

Explain the three data types outlined in your knowledge organiser this week: Text, Number and Boolean.

Explain the two different types of Number data.

Give an example of each type of data.

Keywords	Knowledge							
Decimal (sometimes called Denary) Digit - the 10 symbols used to represent numbers encoded in	Decimal Digits can be used to encode any number, each position has a multiplier which increases by a multiple of with each new position:							
decimal format: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9	(5 · · 4000) · · (4 · · 400) · · (0 * 40) · · (4 · · 7) = 5407	x 1,000	х	100	x 10		x 1	
	$(5 \times 1000) + (1 \times 100) + (0 * 10) + (1 \times 7) = 5107$	5		1	0		7	
Binary Digit - the 2 symbols used to represent numbers encoded in binary format: 0 and 1	Binary Digits can be used to encode any number, each position can only contain either a 1 increases by a multiple of 2 with each new position.						ltiplier	
Hexadecimal Digit - the 16 symbols used to represent	(4 × 40) + (0 × 0) + (4 × 4) + (0 × 2) + (4 × 4) = 20		x 16	x 8	x 4	x 2	х ′	
numbers encoded in hexadecimal format: 0, 1, 2, 3, 4,	$(1 \times 16) + (0 \times 8) + (1 \times 4) + (0 \times 2) + (1 \times 1) = 20$	-	<b>x 16</b>	<b>x 8</b>	<b>x 4</b>	<b>x 2</b>	<b>x</b> ′	
Hexadecimal Digit - the 16 symbols used to represent numbers encoded in hexadecimal format: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F  Binary digit (bit) - a 1 or 0. They are symbols, just like letters and words. Binary digits are used by computers	(1 x 16) + (0 x 8) + (1 x 4) + (0 x 2) + (1 x 1) = 20  Hexadecimal Digits can be used to encode any numbe A to F), so the multiplier increases by a multiple of 216 are the same but A = 10, B = 11, C = 12, D = 13, E = 14	with each new	1 can hav	0 e a value	1 between	0 0 and 15	1 5 (0 to 9	
numbers encoded in hexadecimal format: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F  Binary digit (bit) - a 1 or 0. They are symbols, just like	Hexadecimal Digits can be used to encode any numbe A to F), so the multiplier increases by a multiple of 216	with each new , F = 15.	1 can hav	0 e a value	1 between	0 0 and 15	1 5 (0 to	

Hom	Homework Book Questions					
Q1	What is decimal 24, converted into binary?	Q5	What is binary 1011, converted into decimal?			
Q2	What is decimal 60, converted into binary?	Q6	What is hexadecimal AA, converted into decimal?			
Q3	What is decimal 31, converted into binary?	Q7	What is hexadecimal D5, converted into binary?			
Q4	What is binary 1101, converted into decimal?	Q8	What is the decimal number 34, represented in binary?			

# **Extended Writing Question**

You have a maximum of 7 bits to store a number using binary. What is the largest number that you can store? Explain your answer.

Storage Solutions  Keywords	Knowledge				
Solid-State Storage is a type of storage that stores data	There are three main types of storage: Solid-State, Magnetic and Optical. All storage devices use one of these technologies to store data as binary 1s and 0s in a computer system.				
electronically and does not contain any moving parts.	Optical (Eg CD, DVD, Blu-Ray discs)	<b>Magnetic</b> (Eg Hard Disk Drives, Magnetic Tape)	<b>Solid-State</b> (Eg USB Flash Memory, Solid-State Drives)		
Optical Storage is where data is read from or written to a disc using lasers.  Magnetic Storage is where data is stored by magnetising part of the service of a disk.  Write - to save data onto a storage device. E.g. Saving a file to a USB drive.  Read - to access the data on a storage device. E.g. Opening a file	The surface of a disc, such as a CD, DVD or Blu-Ray disc is 'engraved' (or 'burnt') using a laser to create Pits and Lands.  A laser is then used to 'read' the surface of the disks and a binary 1 is recorded whenever there is a change, otherwise a binary 0 is recorded.  Optical storage is very portable, so it's useful for sharing files.	The read / write head is used to magnetise the surface of the disc. If the disc is magnetised a binary 1 is recorded, otherwise a binary 0 is recorded.  To 'read' the disk, the read-write head will move across the surface of the disc (while the disc spins) and detect whether each part of the disc is magnetised or not. Magnetic storage generally offers the largest storage capacity, so it's useful if you have a large amount of data to store.	When saving to solid-state storage flash memory is used to store binary data.  Flash memory does not have any moving parts. This means that it has faster access speeds than optical and magnetic storage. It is also more robust and less likely to break if dropped. However, solid-state storage has less storage capacity than magnetic storage.  Solid-state storage is used in Solid-State Drives (SSDs) in most modern desktop and laptop PCs. It's also used in expansion cards (such as SD cards for portable devices)		

Homework Book Questions						
Q1	List the three types of storage	Q5	Give two examples of storage devices that use solid-state storage (draw a picture of each one).			
Q2	Describe what optical storage is	Q6	Give one reason why you might use optical storage.			
Q3	Describe what magnetic storage is	Q7	Give one reason why you might use magnetic storage			
Q4	Describe what solid-state storage is	Q8	Give one reason why you might use solid-state storage			

## **Extended Writing Question**

An office needs a large amount of storage to back up their files onto a Desktop PC. They are not concerned about how fast the storage is as the backup would be done automatically overnight. Explain what storage type would be best for the PC.



Develop your character

