## Year 9 Knowledge Organiser

## Spring 2023

Name: $\qquad$
Tutor Group:


## Your Knowledge Organiser

## What are Knowledge Organisers?

A Knowledge Organiser is a set of key facts or information that students need to be able to know and recall in order to master a unit or topic. In order to produce our Knowledge Organisers, our departments have effectively extracted from their curriculum content the key vocabulary, facts and information that it would help students to commit to long-term memory.

Why are we using Knowledge Organisers?
All of us, throughout our lives, will benefit from understanding how best we learn - and what strategies for learning we can employ in order to commit information to long-term memory. At school, we talk a lot about the way that knowledge is accumulated over time and about the importance of over-learning and consolidation. Knowledge Organisers are designed to provide students with opportunities to over-learn and consolidate recently learned information. They encourage use of active and multi-sensory revision practices, repetition, and spaced retrieval. We believe that Knowledge Organisers are important because they are designed to teach students the metacognitive study skills that they will require throughout their adult learning lives; effectively, what we are using Knowledge Organisers to introduce is a five-year programme of revision aimed at developing the skills required for effective revision and developing the knowledge they will need to be effective adults and further learners.

## What is Metacognition?

Metacognition is the awareness and understanding of one's own thought processes. When we talk about developing metacognitive skills in students, we're talking about students developing an understanding of how they learn best. For example, a student who wishes to commit key quotations from a text to long term memory may decide to make flashcards. When making those flashcards, a student may make all sorts of decisions such as 'using the colour yellow will help me to remember that...' The decision regarding which multi-sensory strategy to employ (flashcards) and the decisions that are made during active employment of the strategy...both are examples of metacognition.

## How to Use Your Knowledge Organiser:

| CHUNK IT | RE-LEARN IT | WRITE IT | SPEAK IT |
| :---: | :---: | :---: | :---: |
| Split the knowledge organiser into manageable chunks. <br> Choose a chunk at a time to memorise. <br> Start with the most important or the most difficult. | Re-read your notes on the chosen topic. <br> Do some wider research on the internet until you understand it. | Write a detailed description or an explanation about everything that you know about this topic. <br> Try to do this without your notes. <br> Write key facts you need to memorise over and over until you have memorised them. | Give a verbal explanation about this topic as if you were teaching it. <br> Repeat the facts you need to remember 20 times. <br> Record key facts from the knowledge organiser into your phone. |

## How to Use Your Knowledge Organiser:

| TRANSFORM IT | REDUCE IT | SORT IT | LINK IT |
| :---: | :---: | :---: | :---: |
| Transform key facts into a series of images. <br> Transform what you have learned into a diagram. <br> Transform your learning into a poem or a story. | Reduce what you have learned to five key bullet points or prompts. <br> Reduce the three most important facts linked to a topic into 10 words. | Rank the most important pieces of information from your knowledge organiser. <br> Categorise your key facts into groups, you choose the group headings. | Find three links between this topic and others you have studied. <br> Link the key points together. |

## Art - Deconstruct

## Pablo Picasso b. 1881 - d. 1973 and Cubism

- Picasso was born on October 25, 1881 in the city of Malaga, Spain.
- Pablo completed his first painting when he was nine years old. The title of the painting was Le Picador. The image is of a man riding a horse in a bullfight.
- In 1909, Picasso and French artist Georges Braque co-founded an art movement known as cubism.
- In all his life Picasso produced about 147,800 pieces, consisting of: 13,500 paintings, 100,000 prints and engravings, 300 sculptures and ceramics and 34,000 illustrations an impressive 78 -year career.
- The Nazis would not let Picasso display his paintings in Germany.
- Picasso's art work can be found in art museums throughout the world.
- Cubism was the first abstract art style. It began in 1907, was popular during the early part of the 20th century and had its origins in France and Spain.
- The movement largely ignored perspective, and tried to show objects or people from several different angles.
- One of the best known and most controversial Cubist paintings is Guernica by Picasso. The painting shows the horrors of war and measures 8 metres wide and 3.5 metres high.
- Picasso's Les Demoiselles d'Avignon (The Ladies of Avignon) is one of the earliest and most famous Cubist works. It was influenced by African tribal masks and shocked people when it was displayed.
- Today, Picasso is one of the most influential artists, as well as one of the most valued. His painting Le Reve (The Dream) sold in 2013 for almost $£ 100$ million.

"Every child is an artist. The problem is how to remain an artist once we grow up."
-Picasso


## Task 1

Read through the information on Picasso
Highlight any points you think are important.

- Create a magazine cover or design a poster for a new exhibition of Picasso work.
- Include an image/s of his work.
- Consider presentation - colour/ font/text.
- Include what gallery/museum and when it is.


## Art - Deconstruct

## Keywords

| Tone | Line |
| :--- | :--- |
| Shape | Form |
| Scale | Composition |
| Relief | Observation |
| Detail | Accuracy |
| Texture | Refine |

## Task 2

## Create a surreal drawing

- Select an object and sketch it out A5 in size.
- Sketch out a different object so they overlap.
- Divide up the image using multiple straight lines, so the shapes are hidden.
- Using either pencil or one coloured pencil add tone to the shapes created within the lines.
- Each shape must be shaded using a different tone.



## Photography/Graphics - Deconstruct

## David Hockney b. 1937

- Born with synesthesia, Hockney sees colours in response to musical stimuli.
- Hockney's acrylic paintings of Californian swimming pools - such as A Bigger Splash (now part of the Tate Gallery collection) - are perhaps his most famous works.
- Hockney has a reputation not just as a painter but also for printmaking - even though he says he stumbled across the medium almost by accident.
- Hockney was one of the big artists involved in the pop art movement in the 1960 s.
- Hockney has always had a love-hate relationship with photography, though he admits to having had a 'fascination' with Polaroid photographs in the early Eighties.
- It saw him drop pretty much all other work, while he created a set of photo-collage works he called 'Joiners'.
- In 1990, he turned down a knighthood, on grounds that he didn't 'care for a fuss' and that prizes 'of any sort are a bit suspect'.
- In 2017, his retrospective at Tate Britain, David Hockney, received 478,082 visitors, making it the most popular exhibition ever held at the gallery.
- In May 2018, the auction record for the artist was broken twice in one night, at Sotheby's New York. First, 1978's Piscine de Medianoche (Paper Pool 30) was sold for $\$ 11.7$ million ( $£ 8.6 \mathrm{~m}$ ); then 1990's oil painting, Pacific Coast Highway and Santa Monica, went under the hammer for $\$ 28.5$ million ( $£ 21 \mathrm{~m}$ ).
- Since 2009, Hockney has painted hundreds of portraits, still life and landscapes using the Brushes app designed by Apple.


The mind is the limit. As long as the mind can envision the fact that you can do something, you can do it, as long as you really believe $\mathbf{1 0 0}$ percent.

David Hockney


## Task 1

## Read through the facts on Hockney

Highlight any points you think are important.

- Create a digital presentation about him and his work.
- Include information on at least 2 different styles of work he creates
- Eg. digital drawing
- Painting
- Photography

Email your work to:-
artdepartment@ormistondenes.co.uk
Prior to your lesson deadline

## Photography/Graphics - Deconstruct



## Task 2 <br> Respond to the work of David Hockney

Create your own still life using complementary colours and everyday objects.

- Take a series of 15 photographs.
- It must include all 3 of the different complementary colour pairing.
- Try different angles:
- Above
- Below
- Eye level
- Think about your background. Fabric and textiles make a really good background:
- Towels, blankets
- wallpaper
- Suggested objects:
- Fruits and vegetables
- Food packaging
- Books
o ornaments
- House plants


## Email your work to:- <br> artdepartment@ormistondenes.co.uk <br> Prior to your lesson deadline

| Key Vocabulary |  |
| :---: | :---: |
| Physical <br> Theatre | A type of performance where physical movement is the primary method of storytelling. |
| Tableau | A representation of a scene, posing silently without moving. |
| Freeze frame | Physically holding a moment, freezing on the spot. |
| Levels | Using different heights on stage to create visual interest. |
| Proxemics | The use of space between actors to communicate their relationship to the audience. |
| Thought Tracking | When a character steps out of a scene to address the audience about how they are feeling. |
| Status | The power or influence a character has. |
| Technique | The way of carrying out a task. |
| Annotate | Comment or add notes to a text. |
| Devising | A group response to a stimulus, leading to the creation of an original piece. |
| Plot | The sequence of events in a story or drama. |
| Hot Seating | Being asked questions and answering as the character. |

## Year 9 - Marking a Moment

Marking the Moment is a dramatic technique used to highlight a key moment in a scene or improvisation. This can be done in a number of different ways: for example, through slow-motion, a freeze-frame, tableau, thought-tracking or music.


Stage Directions

## Hot Seating Questions



Have your views changed and why?

| Actor | Professional Person |
| :--- | :--- |
| An actor's primary duty is to <br> effectively communicate the <br> character that they are playing to <br> an audience, using their voice, <br> body, actions and reactions. | 'Acting like a professional' means <br> working and behaving in such a <br> way that others think of them as <br> competent, reliable and <br> respectful. |

## Devising Log

In the portfolio or devising log, the process of devising a piece of drama is written up. Making notes each step of the way, similar to diary entries, will make it easier to write up into a finished product.

The starting point in a piece of devised drama is known as the stimulus. This is provided to generate ideas and can be anything from a picture or piece of music to a poem or work of art.

## Year 9 War Writing - Knowledge Organiser

## Journey's End: The Characters



## Journey's End: Plot

| Act 1 | The play opens in a dugout in the British trenches in Northern France. The action begins on the evening of Monday 18 March 1918 and continues over three days. It ends at dawn on Thursday 21 March 1918. <br> Captain Hardy is about to be relieved by a Captain Stanhope. The play begins with Hardy and Stanhope's second in command Osborne - discussing what Stanhope is like. Osborne and Stanhope are the main characters for the rest of the play. After Hardy leaves, a new young officer - Raleigh - enters. Raleigh has managed to get himself placed in C Company because he knew Stanhope at public school. Also, Stanhope has been in a relationship with Raleigh's sister, Madge. Osborne tries to hint to Raleigh that Stanhope is a changed man from the one he might remember. But Raleigh fails to understand and seems to have an idealistic picture of Stanhope as a mythical hero figure. It is also clear that Raleigh is excited and enthusiastic about being on the front line. His youthful energy and exuberance already seem in contrast to the more experienced officers. <br> When Stanhope enters it is clear he is shocked and uncomfortable at Raleigh's presence. We find out that he fears Raleigh will write and inform Madge that he has become an alcoholic and - despite Osborne's advice to the contrary - he threatens to censor Raleigh's letters. <br> Through a conversation with Osborne, we discover that Stanhope's addiction was caused by the terrible realities of trench life. |
| :---: | :---: |
| Act 2, <br> Scene 1 | Early on Tuesday morning Osborne and Raleigh discuss their past lives before the war. They talk about rugby and how slowly time passes in the trenches. Poignantly, they reflect on how the Germans are just normal decent people. <br> Stanhope tells his officers that a captured German soldier has revealed that an attack on their men is planned for two days' time. In World War One it was normal practice to check and sometimes censor soldiers' letters home, but officers' letters were usually allowed through unchecked. However, Stanhope - because he is so worried about Raleigh revealing his alcoholism to his sister - insists on checking his letter home. <br> On reading it he finds that Raleigh has only the highest praise for Stanhope, describing him to Madge as "the finest officer in the battalion and the men simply love him". Stanhope seems to feel ashamed at his initial mistrust. |
| Act 2, Scene 2 | The Colonel arrives to inform Stanhope that Raleigh and Osborne will participate in an imminent raid on the Germans. <br> An officer called Hibbert tells Stanhope that he is suffering from neuralgia - shooting facial pain - and can no longer cope. Stanhope will not allow him to go sick and threatens execution for desertion if he does. <br> Eventually Stanhope - using the powers of persuasion and leadership that the officers respect him for - convinces Hibbert to stay. Osborne seems resigned to his fate, but he and Trotter express their disapproval of the timing of the raid. Raleigh on the other hand is unaware of the extreme danger and looks forward to the excitement of battle. |
| Act 3, Scene 1 | It is obvious that Stanhope too thinks a daylight raid is ridiculous and dangerous, but the Colonel is adamant. He tells Stanhope, "It's no good getting depressed." <br> The audience gradually begin to question just how much the army superiors really care about those on the front line. <br> Again, Osborne talks acceptingly about the plans and Stanhope insists - unconvincingly - that all will be well. <br> We see Osborne and Raleigh quoting a passage from Alice in Wonderland in the moments before the raid. They are trying to keep calm, but admit they are nervous and have "a sort of empty feeling inside". <br> A young German soldier is captured in the raid, but Osborne and six other men are killed. Raleigh is wounded. Stanhope finds it difficult to hide his contempt for the Colonel's apathy about their deaths. |
| Act 3, Scene 2 | Later that evening the officers are having a post-raid celebratory dinner. Stanhope seems in a particularly bad mood. He has a drunken argument with Hibbert and gets angry with Raleigh for not attending the dinner. <br> Raleigh explains that he is grieving for Osborne. <br> Stanhope shows his devastation at Osborne's death. In an emotional outburst he describes his friend as "the one man I could talk to as man to man - who understood everything". <br> We realise that his drinking and jovial dinner chat has all been to cover up his grief. |
| Act 3, Scene 3 | This final scene takes place at dawn on Thursday morning. It is pitch dark and there is silence apart from "the distant mutter of the guns". Stanhope is woken by Private Mason - the cook - and is drowsy and cold. <br> There is tension in the dugout as the men and the audience wait for the attack. <br> It is finally here, having first been mentioned two days earlier. Hibbert is frightened and reluctant to go out, but with encouragement from Stanhope and Mason he leaves to fight. <br> The battle begins. The Sergeant Major arrives to tell Stanhope that Raleigh has been badly injured, his spine is broken. Raleigh is carried into the dugout and Stanhope gets Osborne's bed ready for him. <br> It becomes clear that Raleigh is dying. Stanhope stays by his side, comforting him. He attempts conversation, but there is no reply. <br> Stanhope is called to leave as the battle intensifies. <br> As he ascends the steps to the battle the dugout roof collapses, with Raleigh's body inside. |

## Journey's End, by R. C. Sherriff Knowledge Organiser

## Couch to 5 k Writing

| Thesis statement | At first glance [writer] novel is about $\qquad$ , but at a deeper level he/she uses it to $\qquad$ <br> "Although Faulks depicts war as $\qquad$ , in Grenfell's poem 'Into Battle' it is presented as $\qquad$ ." |
| :---: | :---: |
| Select \& embed references | The writer refers to $\qquad$ as ' $\qquad$ ' <br> The narrator compares $\qquad$ to $\qquad$ <br> It states, ' $\qquad$ <br> "This is shown when he says " $\qquad$ ." |
| Analysis | This [literary technique] conveys to the reader a sense of $\qquad$ [Writer] uses this [literary technique] to depict $\qquad$ [Writer] uses this [word class] to portray to the reader $\qquad$ Furthermore, the word ' $\qquad$ ' evokes an image of $\qquad$ |
| Evaluate writer's intentions | Thus, [writer] is drawing the reader's attention to $\qquad$ Hence, [writer] is challenging ideas about $\qquad$ Consequently, [writer] is highlighting $\qquad$ |
| Compare texts | Both writers explore the concept of $\qquad$ $\qquad$ is equally significant in both texts. In [text] it is conveyed though $\qquad$ whereas in [text] it is portrayed $\qquad$ Conversely, in [novel] $\qquad$ In [novel] [writer] presents [focus of the question] as $\qquad$ Similarly, in [writer] [novel] <br> Likewise, in [novel] $\qquad$ |
| Link to context | At the time, [relevant context] and [writer] depicts [reference to text]. Contextually, people were very concerned about [specific social rule], and [writer] employs [technique] to show [writer's intent related to social rule]. In World War I, [relevant context] but writers like [named writer] endeavoured to convey [writer's intention]. |
| Recognise different arguments | Even though it is possible to argue that, [opposing point], it is still the case that [your point]. <br> Although it may be suggested that... <br> Whilst it could be argued that... |

War Poets

| War Poets |  |
| :---: | :---: |
| Julian Grenfell $(1888-1915)$ | $\begin{aligned} & \text { Jesse Pope } \\ & \text { (1868-1941) } \end{aligned}$ |
| Siegfried <br> Sassoon (1886- <br> 1967) | Margaret <br> Postgate Cole <br> (1893-1980) |
| Wilfred Owen (1893-1918) | Lois Clarke <br> (b 1927) |
| John McCrae (1872-1918) | Ivor Gurney $(1890-1937)$ |

## ey Contex

Robert Cedric Sherriff (1896-1975) served in the First World War as a Captain in the 9th East Surrey Regiment. He was wounded at Passchendaele in 1917 and awarded the Military Cross. Before and after the war Sherriff had worked as an insurance salesman worked as an insurance salesman and had no previous experience the professional theatre. The immense success of Journey's End (which opened in London's West End early in 1929) changed his life for ever.

Journey's End takes place during the final year of the war. More specifically, the play elapses over the days leading up to the Battle of St. Quentin, which began on March 21st and marked the beginning of Operation Michael, a German offensive attempt to advance through Allied lines.

## Key Vocabulary

Conflict (n) - A serious disagreement or argument. 'The eternal conflict between the sexes" Latin: Con = 'with' + fligere 'to strike'

Glory (n) - Fame and respect won through grea bravery or effort. "He fought for the glory of his country." Latin gloria fame, renown, great praise or honour'

Patriotism (n) - Being devoted to your country. "He was an officer of unquestioned patriotism." Greek patriotes 'fellow countryman,' from pater 'father'.

Courage ( n ) - The ability to act even if scared. "She called on all her courage to face the ordeal." Latin cor 'heart'

Incompetent (adj) - Not having the necessary skills to do something. "He was a thoroughly
incompetent teacher." Latin in- 'not' + competere 'coincide, agree'

Heroism (n) Great bravery. "They fought with heroism" Greek hērōs 'demi-god'

Comrade ( n ) A fellow soldier or member of the armed forces. "He helps his comrade" Spanish camarada 'chamber mate

Insubordination (n) Defiance of authority. "He was dismissed for insubordination" Latin sub 'under' + ordinare 'arrange, set in order' The prefix in is from Latin 'not, opposite'

Regulations ( n ) A rule or directive made and maintained by an authority. "You must follow the planning regulations" Latin regula 'rule, straight piece of wood'

Brutality ( n ) Savage physical violence; great cruelty.
"Brutality against civilians" Latin brutus 'heavy, dull, stupid, insensible, unreasonable'
Alcoholism ( n ) Addiction to the consumption of alcoholic drink; alcohol dependency."He had a long history of depression, drug abuse, and alcoholism" Arabic al-kuhul 'kohl,' the fine metallic powder used to darken the eyelids, from kahala 'to stain, paint' al- is the Arabic definite article, 'the'.

Neuralgia (n) Intense, intermittent pain along a nerve, especially in the head or face.Greek neuron 'nerve'

## Key Vocabulary

Prohibit (v) Formally forbid (something) by law, rule, or other authority. "All ivory trafficking between nations is prohibited." Latin pro 'away, against' + habere 'to hold'
Social class ( n )A division of a society based on social and economic status. "people from different social classes did not mix"Latin socius 'companion, ally'
Latin classis 'the six orders into which the Roman people for the purpose of taxation
Civil (adj)Relating to ordinary citizens and thei concerns, as distinct from military or ecclesiastical matters."Civil aviation"Latin civilis 'relating to society'
Munitions ( n )Military weapons, ammunition, equipment, and stores."Reserves of nuclear, chemical, and conventional munitions" Latin munitionem "defending, fortification, protecting"
Inadequate (adj) Insufficient for a purpose. "These labels prove to be wholly inadequate" Latin ad 'make level' + aequus 'equal, even'
Futility ( n ) Pointlessness or uselessness "The horror and futility of war" Latin futilis 'leaky, unreliable'
Fatuous (adj) Latin fatuus "foolish, insipid, silly;"
Chaotic ( n ) In a state of complete confusion and disorder. "The political situation was chaotic"Greek khaos 'abyss, that which gapes wide open; vast and empty,"

Subvert (v) undermine the authority of an established system. "attempt to subvert government". Latin sub 'under' + vertere 'to turn, turn back, transform, be changed'

Ambivalent (adj) mixed feelings about something. "some loved her, some hated her, few were ambivalent about her" Latin ambi 'be on both sides' + valentia 'strength'

Authorities ( n ) the power or right to give orders, make decisions, and enforce obedience. "he had absolute authority over his subordinates" Latin auctor 'master, owner'

Persisting (adj) continue in an opinion or course of action in spite of difficulty or opposition. "the minority of drivers who persist in drinking" Latin per "thoroughly" + sistere "come to stand, cause to stand still"

| Key term | Definition |
| :--- | :--- |
| High Income <br> Country (HIC) | A well-developed country with good <br> healthcare, well-paid jobs and good <br> housing. |
| Low Income <br> Country (LIC) | A developing country that has poor <br> healthcare, few jobs and poor- <br> quality housing. |
| Newly <br> Emerging <br> Economy (NEE) | A country that has begun to get <br> richer and develop quickly. |
| Gross National <br> Income (GNI) | The amount of money a country <br> makes in a year. |
| Development | The economic progress of a country <br> and improvements to quality of life. |
| Resource |  |
| Security | Plentiful supply of resources like <br> food, water and energy. |
| Aid | Money, food or emergency supplies <br> donated to help improve people's <br> lives. |

## SKILLS- Scatter graphs

These show 2 sets of data that are related.

The variable thought to cause the change is shown on the ' $x$ ' axis. Each pair of values is plotted on the graph using a cross. A line of best-fit is drawn through the middle of the points, with roughly the same number of crosses on either side of the line.


## Indicators of development

1. Economic (GNI).
2. Social factors such as birth rate, death rate, infant mortality rate, literacy rate.

## Causes of uneven development

1. Colonisation.
2. Poor climate for crop growing.
3. War/conflict.
4. Corrupt government.
5. Lack of clean water.
6. No health or education systems.

## Impacts of uneven development

1. Migration.
2. Disparities in health-HICs: obesity; heart and lung diseases; diabetes. LICs: malaria; cholera; HIV.
3. Food inequality - LICs often don't have food security.

## Limitations of short-term aid

- Dependency of recipient.
- Unsustainability of aid project.
- Corrupt government may not use aid appropriately.

The cost of Fairtrade products include a premium. This extra cost is paid directly to local farming communities to help them to develop.


## Explain and prioritise the causes of uneven

 development.
## Cause



Prioritise


Explain why development must be measured using both social indicators and GNI:

Reduce the information on the impacts of uneven development to one sentence:

List the limitations of short-term aid:
1.
2.
3.

Write a summary of the benefits of Fairtrade:

Write the definition to the following key words. Try not to look at your knowledge organiser.

| Low Income <br> Country |  |
| :--- | :--- |
| High Income <br> Country |  |
| Newly <br> Emerging <br> Economy |  |
| Resource <br> Security |  |

Choose one of these words and use it in a sentence.

| Key term | Definition |
| :--- | :--- |
| Economy | The wealth of a country. |
| Disposable <br> income | Amount of money left to spend <br> after bills are paid. |
| Colony | An area controlled by another <br> country. |
| Informal work | Jobs that pay cash-in-hand. No <br> tax is paid and workers have no <br> benefits such as sick pay. |
| Subsistence | Farmers who grow only enough <br> to feed themselves and their <br> families. |
| Desertification | Land turned to desert, often <br> through overuse. |
| Corrupt | Not honest. |
| Political | To do with governments and the <br> decisions they make. |

## SKILLS: Cross-sections

 A cross-section is an imaginary 'slice' through a landscape. It helps us to see what a landscape actually looks like.

Africa is the second largest continent with 54 countries. Its physical geography includes: mountains; rivers; deserts; rainforest; natural resources such as oil, gas, diamonds and gold.


The Sahara desert is the largest desert in the world and stretches over several countries in North Africa. Very few people live there because of the climate. Desertification is when fertile lands turns to desert. Over-farming and climate change are increasing this. The Great Green Wall is a 'wall' of trees and vegetation planted from east to west across 11 countries.

## Nigeria:

- Largest population in Africa - over 190 million people.
- Capital city: Abuja
- Most populated city: Lagos. Many people migrate to Lagos for work. They often end up in squatter settlements.
- There is huge disparity of wealth.
- Has 4 biomes: desert; tropical savannah; semi-arid savannah; rainforest.
- Has a film industry called 'Nollywood'.
- Much of its income is from oil. This has brought many benefits to the economy and to the quality of life for some people as jobs have been created and more health and education services are provided. However, oil spills and oil flares pollute the environment.

Reduce the information about Africa down to 3
key pieces of knowledge.
1.
2.
3.

Transform these facts into pictures:

What are the causes of and solutions to desertification?

| Causes | Solutions |
| :--- | :--- |
|  |  |
|  |  |

Add key facts about Nigeria in these boxes.


Summarise the benefits and challenges of oil extraction in Nigeria.

Map out and or describe the location of Nigeria. Refer to neighbouring countries, bordering ocean, continent, compass points.

Write the definition to the following key words. Try not to look at your knowledge organiser.

| Disposable <br> income |  |
| :--- | :--- |
| Informal work |  |
| Desertification |  |
| Subsistence <br> farmers |  |

Choose one of these words and use it in a sentence.

## WWI

## Key Terms

Frontline Trench - the trench closest to the enemy. Used to move attacking soldiers closer to the enemy trenches and to hold up attacking soldiers.

Support Trench - the trench immediately behind the frontline trench. Used to support the front-line trench with machine guns when attacked and to hold the second wave of solders when attacking the enemies trench.

Reserve Trench - the trench behind the support trench. The reserve trench contained soldiers who could be brought up if the front-line trench was attacked or used as a third wave if attacking the enemy trenches. The reserve trench also protected the artillery batteries.

Communication Trench - the trenches dug between the front line, support and reserve trenches. Communication trenches allowed soldiers to move relatively safely between the different trenches.

Dugout - protective bunkers dug out of the ground to provide protection from enemy artillery and the weather.

No Man's Land - the area between the front-line trenches. It was called no man's land because it was said 'no man' could survive there.

Machine Gun - rapid firing weapons that could fire hundreds of bullets every minute. Caused the second highest amount of casualties in WWI.

Artillery - large guns designed to fire big explosive shells long distances. Caused the most casualties in WWI

Shrapnel - sharp pieces of metal that blast out after an artillery shell or grenade explode.

Barbed Wire - coiled of spiked wire that was placed in front of the front-line trench to prevent infantry crossing.

The Chain of Evacuation

RAMC The Royal Army Medical Corps. The branch of the army responsible for medical care and the treatment of the wounded.

FANY The First Aid Nursing Yeomanry. A volunteer organisation of women who served on the front line providing direct support to the medical services due to the huge numbers of casualties.

Stretcher Bearers Due to the rough terrain of No Man's Land, casualties needed to be carried back to their own trench lines in order to receive medical treatment. Stretchers were used to minimise the risk of causing further injury on the trip back.

Regimental Aid Posts Located 200m behind the frontline and manned by one or two medical officers who would advise the stretcher bearers on where to send casualties

Dressing Stations Located at least 400 m behind the frontline and manned by around 10 medical officers supported by additional nurses. Most wounded who were treated here would usually be sent back to their units after treatment. More serious casualties were sent further back.

Casualty Clearance Stations Located as close to the frontlines as possible while still being safe from attack, usually in large buildings such as schools or factories. Casualty Clearance Stations were designed to treat the most critical injuries and were staffed with medical officers trained in surgery supported by volunteer nurses. Due to the large number of casualties they received, CCS's divided all patients upon arrival under a system call 'triage'. Patients were split into three groups. 'Walking Wounded' who could be patched up and quickly sent back, 'Critical' who needed immediate treatment before being sent onto a hospital and 'Unlikely to Recover' who would be made comfortable but would not receive treatment that was needed to save other 'critical' patients.

Base Hospitals Located far behind the front lines on the French and Belgium coast, base hospitals were located near the coast to make it easier to transport wounded soldiers home following treatment. Most soldiers treated at base hospitals were so badly wounded they could not be sent back to the front lines. As the war progressed many new treatments were developed at base hospitals which revolutionised medicine.

Key Events

- Christmas 1914
- The Battle of Verdun


## - The Battle of the Somme

- The Battle of Arras
- The Third Battle of Ypres


## - The Battle of Cambrai

## Key Terms

1) Write a description of each of the key groups without looking at the information on the other side of the knowledge organiser.
2) Explain how each part of the trench system contributes to the overall defense of the soldiers manning it.

- Frontline Trench
- Support Trench
- Reserve Trench
- Communication Trench
- Dugout
- No Man's Land
- Machine Gun
- Artillery
- Shrapnel
- Barbed Wire


## Key Events

1) Describe each event, including a minimum of three pieces of detail.
2) Explain the extent it could be described as a success for Britain.

- Christmas 1914
- The Battle of Verdun
- The Battle of the Somme
- The Battle of Arras
- The Third Battle of Ypres
- The Battle of Cambrai

The Chain of Evacuation

1) Describe each stage of the 'Chain of Evacuation' including a minimum of three pieces of supporting detail.
2) Explain how each stage contributed saving wounded soldiers in WWI.
3) Explain how each stage within the chain is interlinked with another.

- Stretcher Bearers
- Regimental Aid Posts
- Dressing Stations
- Casualty Clearance Stations
- Base Hospitals


## Listing Outcomes

Listing or counting all the possible outcomes for two or more combined events enables you to calculate the probability of any particular event occurring.

## Systematic listing

The outcomes for an event can be listed
I in an organised or systematic way to make sure that none of the possible outcomes is missed out. Look for patterns to help find all the outcomes.

## Frequency Trees

| A frequency tree can be used to record and organise information given as frequencies. This can then be used to calculate probabilities.


## Probability of not happening

Events that cannot happen at the same time are

- called mutually exclusive events. For example, a football
|| team can win, lose or draw but these things cannot happen at the same time - they are mutually exclusive. Since it is certain that one of these outcomes will happen, their probabilities must add up to 1 .
|| If the probability the team wins is 0.5 and the probability it draws is 0.2 then the probability of it losing must be 0.3.

$$
=---1
$$

## || Sample Space Diagrams

| Sample space is a term used in mathematics to mean all possible outcomes. For example, the sample space for rolling a normal dice is $\{1,2,3,4,5,6\}$ as these are all the only outcomes we can obtain. We can also use a sample space diagram to help write down all the outcomes | when we have a large number of outcomes.

## Two Way Tables

| Data that is collected can often be from more
than one category. For example, data collected on children at a primary school may include
their gender as one category and their year group as another. Two-way tables are a way of sorting data so that the frequency of each
category can be seen quickly and easily.

- |

|  | Baseball | Basketball | Football | Total |
| :---: | :---: | :---: | :---: | :---: |
| Male | 13 | 15 | 20 | 48 |
| Female | 23 | 16 | 13 | 52 |
| Total | 36 | 31 | 33 | 100 |

## Relative Frequency

Relative frequency is the number of times an event happens divided by the total number of outcomes that took place in an experiment, known as the number of trials.
To calculate the relative frequency we can use the formula,

$$
\text { Relative Frequency }=\frac{\text { frequency of event occuring }}{\text { total number of trials of the experiment }}
$$

## Venn Diagrams

Venn diagrams are very useful constructs
made of two or more circles that sometimes
overlap. Venn diagrams frequently appear
in different areas of mathematics but are
most common when dealing with sets and
probability. The notation for Venn diagrams
is here $\rightarrow$


## Coordinates

| Coordinates are locations of points on a grid known as | the cartesian plane.
A coordinate is written as two numbers, separated by a comma, and surrounded by a pair of round brackets | The general form of a coordinate is $(x, y)$ where the value \|f $x$ represents the horizontal position of the coordinate, and the value for $y$ represents the vertical position of the coordinate.
| For example, the coordinate $(3,5)$ has a horizontal position of 3 , and a vertical position of 5 .
The $\mathbf{x}$-axis and $\mathbf{y}$-axis meet at the origin, $(0,0)$ where,
| . the $x$-axis (the horizontal axis) is positive to the right of the origin, and negative to the left of the origin;
| the $y$-axis (the vertical axis) is positive above the origin, and negative below the origin.


## Midpoint of a Line

Midpoint refers to a point that is in the middle of the
line joining two points. To find the midpoint:
|| - Add the two $x$ coordinates together and then
|| divide by two. This will give the $x$ coordinate of the midpoint

- Add the two y coordinates together and then
|| | divide by two. This will give the $y$ coordinate of the midpoint


## Example

Find the midpoint between the points $(2,4)$ and $(8,6)$.

1. Add the $x$ coordinates together. $2+8=10$
2. Divide that by $2.10 \div 2=5.5$ is the $\boldsymbol{x}$ coordinate of the midpoint
3. Add the $y$ coordinates together. $4+6=10$
| 4. Divide that by $2.10 \div 2=5$. $\mathbf{5}$ is the $\boldsymbol{y}$ coordinate of the midpoint
4. The midpoint is $(5,5)$

I

|| Gradient - how steep or shallow a line is
|| $\boldsymbol{y}$-intercept - the point at which the line crosses the $y$-axis
We can find this information from the equation of a || line


## Plotting Graphs

One way of plotting a linear function is to use a table of values. This method means inputting different values of $x$
\| into the function to get a value of $y$. Doing this gives are

- coordinates that lie on the line which can be plotted on a grid.


## Example

| Plot the following line of $y=3 x+1$.

1. Create a table of values

| $x$ | -1 | 0 | 1 | 2 |
| :--- | :--- | :--- | :--- | :--- |
| $y$ |  |  |  |  |

2. Now input those values of $x$ into the equation.

When $x=-1, y=3(-1)+1=-2$. So $y=-2$. Input that | value into the table and repeat until the table is done 3. The finished table of values gives you coordinates to plot on a grid, for example ( $-1,-2$ )

| $x$ | -1 | 0 | 1 | 2 |
| :--- | :--- | :--- | :--- | :--- |
| $y$ | -2 | 1 | 4 | 7 |

4. Plot the points and draw a line through the points or a curve if it is a quadratic


## ADVANCED LINEAR GRAPHS

## Equation of a Line

## From gradient and coordinates

What is the equation of a line which has gradient of 3 and goes through the point $(4,14)$.

1. We know the equation of the line must be in the format $y=m x+c$ where $m$ is the gradient and $c$ is the $y$-intercept
2. The gradient has already been given in the question (gradient $=3$ ) so we just have to replace $m$ with 3 . So we now have $y=3 x+c$
3. We can work out what $c$ is by substituting the coordinate into the equation that has the gradient substituted in.

$$
\begin{aligned}
(14) & =3(4)+c \\
14 & =12+c
\end{aligned}
$$

Subtract 12 from both sides to get $c$ on its own.

$$
2=c
$$

4. So the equation of the line that has a gradient is 3 and goes through It the point $(4,14)$ is $\boldsymbol{y}=\mathbf{3} \boldsymbol{x}+\mathbf{2}$

## From 2 points

To calculate the equation of a line from 2 points we first need to calculate \| the gradient. To calculate the gradient we need to use the formula

$$
\text { gradient }=\frac{\text { change in } y}{\text { change in } x}
$$

Once we have calculated the gradient we then input one of the \| coordinates given in the question (like we do above in from gradient and | coordinates).

## CONGRUENCY AND SIMILARITY

## Congruent Triangles

When two triangles are congruent they will have exactly the same three sides and exactly the same three angles.
The equal sides and angles may not be in the same position (if there is a turn or a flip), but they are there. There are a few ways to determine whether a triangle is congruent:
|| 1. SSS - SSS stands for "side, side, side" and means that we have two triangles with all three sides equal.
2. SAS - SAS stands for "side, angle, side" and means that we have two triangles where we know two sides and the included angle are equal.
3. ASA - ASA stands for "angle, side, angle" and means that we have two triangles where we know two angles and the included side are equal.
| 4. AAS - AAS stands for "angle, angle, side" and means that we have two triangles where we know two angles and the non-included side are equal.
5. RHS - RHS stands for "right-angle, hypotenuse, side"
and means that we have two triangles where we have a right angle, a
hypotenuse and a side that are equal.


YEAR 9 SPRING 2

## | Tessellation

A tessellation is a pattern created with identical shapes which fit together with no gaps.

$-\quad-$

## Reflection

Reflection is a type of transformation that
| flips a shape in a mirror line (also called a line of reflection) so that each point is the same distance from the mirror line as its reflected || point.
Triangle $P$ has been reflected in the line $x=$ 4 to give Triangle $Q$. Triangle $P$ is the object and Triangle $Q$ is the image.

|

## Transformation

|| A translation moves a shape up, down or from side to side but it does not change its appearance in any other way.
Every point in the shape is translated the same distance in the same direction.

Column vectors are used to describe translations.
Vectors are given in the form $\binom{x}{y}$ where $x$ is the
movement horizontally and $y$ is the movement vertically.
A positive value of $x$ means a movement to the right and a
negative value of $x$ means a movement to the left. A positive value of $y$ means a movement upwards and a negative value of $y$ means a movement downwards.

## Rotation

Rotation turns a shape around a fixed point called the centre of rotation.
Three pieces of information are needed to rotate a

## shape:

- the centre of rotation
- the angle of rotation
- the direction of rotation
|| The shape has been rotated $90^{\circ}$ (a quarter turn) anticlockwise about the centre of rotation.


## CONGRUENCY AND SIMILARITY

## Symmetry

## | Reflective Symmetry

The simplest symmetry is Reflection Symmetry (sometimes called Line || Symmetry or Mirror Symmetry). It is easy to see, because one half is the reflection of the other half. The Line of

etry can be in any direction (not ust up-down or left-right).

## Rotational Symmetry

|| With Rotational Symmetry, the image is rotated (around a central point) so that it appears 2 or more times. How many times it appears is called the Order.


## Enlargement

|| An enlargement is a type of transformation where we change the size of the original shape to make it bigger or smaller by multiplying it by a scale factor.

To complete an enlargement we need:

- Centre of enlargement
- Scale factor

To use a centre of enlargement we need to draw lines from the centre of enlargement through the vertices of the original shape. These are called ray lines.

## Example

Here triangle $A B C$ has been enlarged by scale
factor 2 about a centre of enlargement point O .
The new triangle is labelled $A^{\prime} B^{\prime} C^{\prime}$.


The lengths of the sides of the new shape are double the lengths of the sides of the original shape. The pairs of corresponding sides are parallel lines. The angles in the two shapes are the same and the triangles are similar triangles.

Est-ce que tu manges de la viande? Do you eat meat?


Qu'est-ce qu'il faut faire pour protéger les animaux menacés? What must you do to protect endangered animals?

| Le panda géant <br> Le tigre <br> Le rhinocéros <br> Le crocodile <br> L’ours polaire the polar bear <br> La tortue marine the sea turtle | habite dans la forêt <br> lives in the forest | est menacé(e) par <br> is threatened by <br> habite dans l'eau | le changement climatique <br> linamate change <br> la chasse |
| :--- | :--- | :--- | :--- |
| habite à la campagne <br> lives in the countryside | la déforestation <br> la pollution |  |  |

## Dynamo 3



## Year 9 German Grammar

## The perfect tense

Start with the correct form of haben (below) and end with the past participle. Form the past participle by putting ge__t around the verb stem. E.g. spielen - gespielt.

| ich habe | wir haben |
| :--- | :--- |
| du hast | ihr habt |
| er hat | Sie haben |
| sie hat | sie haben |

Common irregular past participles: gelesen, gesehen, gegessen, getrunken, gefunden

Verbs where there is movement or a change of state use sein instead of haben. The most common verbs are: gegangen (went), gefahren (travelled), geflogen (flew), geblieben (stayed)

| ich bin | wir sind |
| :--- | :--- |
| du bist | ihr seid |
| er ist | Sie sind |
| sie ist | sie sind |

## The present tense

Remove the 'en' to form the stem e.g. spielen - spiel

| ich | e(l) | wir | en | (we) |
| :---: | :---: | :---: | :---: | :---: |
| du | st(you) | ihr |  | (you inf/pl) |
| er | t(he) | Sie |  | (you for/pl) |
| sie | t(she) | sie | en | (they) |

## The future tense

Start with the correct form of werden (below) and end with the
infinitive. E.g. spielen

| ich werde | wir werden |
| :--- | :--- |
| du wirst | ihr werdet |
| er wird | Sie werden |
| sie wird | sie werden |

    du wirst ihr werdet
    er wird Sie werden
    sie wird sie werden
    Was trägst du? What do you wear?
ich trage / wear einen
du trägst
er/sie/es trägt
wir tragen
sie tragen they wear

Gestern habe ich Yesterday have I
Gestern hat er/sie
Yesterday had he/she
Gestern haben wir
Yesterday have we

Morgen werde ich Tomorrow will I
Morgen wird er/sie
Tomorrow will he/she
Morgen werden wir
Tomorrow will we

Ich denke
Ich glaube
Ich würde sagen, I would say,
mein Stil ist my style is
ihr Stil ist her style is
sein Stil ist his style is

| kurzen short | langen long |
| :--- | :--- |
| weiten wide-leg | schmalen slim-leg |
| schicken smart | lockeren casual |
| modischen fashionable | karierten checkered |
| altmodischen old-fashioned | gestreiften striped | atmodischen old-fashioned gestreiften striped unmodischen unfashionable gepunkteten spotty

kurze short weite wide-leg schicke smart lange long schmale slim-leg lockere casual modische fashionable karierte checkered altmodische old-fashioned gestreifte striped unmodische unfashionable gepunktete spotty
ein
kurzes short
weites wide- schickes smart langes long schmales slim-leg lockeres casual modisches fashionable kariertes checkered altmodisches old-fashioned gestreiftes striped unmodisches unfashionable gepunktetes spotty kurze short weite wide-leg schicke smart lange long schmale slim-leg ionable karierte checkered altmodische old-fashioned gestreifte striped unmodische unfashionable gepunktete spotty

| schwarzen | roten <br> blauen <br> gelben |
| :--- | :--- |
| braunen | grünen |
| grauen | weißen |
| bunten | lila |

rosa

| schwarze | rote |
| :--- | :--- |
| blaue | gelbe |
| braune | grüne |
| graue | weiße |
| bunte | lila |

rosa

| schwarzes | rotes |
| :--- | :--- |
| blaues | gelbes |
| braunes | grünes |
| graues | weißes |
| buntes | lila |


| schwarze | rote |
| :--- | :--- |
| blaue | gelbe |
| braune | grüne |
| graue | weiße |
| bunte | lila |
| rosa |  |

sehr
ziemlich
zu
ein bisschen

Year 9 German Spring 1
(Stimmt 2 - Kapitel 5)

| Kleider/Klamotten •Clothes |  |
| :---: | :---: |
| der Rock | skirt |
| der Mantel | coat |
| der Anzug | suit |
| der Kapuzenpulli | hoodie |
| die Jeanshose (die Jeans) | jeans |
| die Hose | trousers |
| das Kleid | dress |
| das Hemd | shirt |
| das T-Shirt | T-shirt |
| die Schuhe (pl) | shoes |
| die Stiefel (pl) | boots |
| die Sandalen (pl) | sandals |
| Was trägst du? <br> - What do you wear/are you wearing? |  |
| Ich trage ... | I wear/am wearing ... |
| einen kurzen Rock | a short skirt |
| einen langen Mantel | a long coat |
| einen schicken Anzug | a smart suit |
| einen lockeren Kapuzenpulli | a casual hoodie |
| eine weite Hose | a baggy pair of trousers |
| eine schmale Jeanshose | a pair of skinny jeans |
| ein kariertes Hemd | a checked shirt |
| ein gepunktetes Kleid | a spotty dress |
| ein gestreiftes T-Shirt | a stripy T-shirt |
| schicke Stiefel | smart boots |




| Sentence starter / opinion phrase | reason | qualifier | adjective | verb |
| :---: | :---: | :---: | :---: | :---: |
| ... ist mein Vorbild, ... ist my role model | weil er weil sie | sehr <br> zu <br> nicht <br> nie <br> ein bisschen ziemlich manchmal | arrogant <br> begabt talented <br> bescheiden modest <br> großzügig generous <br> launisch <br> nervig <br> erfolgreich successful <br> originell <br> selbstlos selfless <br> selbstbewusst self- <br> confident <br> charismatisch <br> berühmt famous |  |
| Ich liebe..., Ich hasse..., Ich mag..., Ich mag... nicht, |  |  |  |  |
| Mein(e) Lieblingsschauspieler(in) ist..., My favourite actor is... <br> Mein(e) Lieblingssportler(in) ist..., My favourite sports star is... <br> Mein(e) Lieblingssänger(in) ist... My favourite singer is... |  |  |  | ist. |
| Als ich ein Kind war, war mein Vorbild ..., As a child my role model was... |  |  |  | war. |


| Der Körper • The body |  |
| :--- | :--- |
| der Kopf(̈-e) | head |
| die Schulter(n) | shoulder |
| der Arm(e) | arm |
| die Hand(ت̈) | hand |
| der Rücken(-) | back |
| der Bauch(-e) | stomach |
| der Po(s) | bottom |
| das Bein(e) | leg |
| das Knie(-) | knee |
| der Fuß(-e) | foot |

## Das Gesicht • The face

| das Auge(n) | eye |
| :--- | :--- |
| das Ohr(en) | ear |
| die Nase(n) | nose |
| der Mund(ت̈er) | mouth |
| das Kinn(e) | chin |



## ¿Cómo es tu jefe? = What is your boss like?

Mi jefe es muy educado / a = my boss is polite
Mi jefe es maleducado/a = my boss is rude
¿Cómo son los clientes? = What are the customers like?
Year 9 Spanish
Spring 1
Viva 3 Module

Los clientes son exigentes $=$ the customers are demanding Los clientes son mal educados $=$ the customers are rude Mis compañeros son simpáticos $=$ my colleagues are nice

Me gusta / no me gusta mi trabajo porque es.. I like / don't like my job because it is....
difícil = difficult
estimulante $=$
stimulating monótono $=$
monotonous
duro = hard
estresante =
stressful repetitivo $=$ repetitive

## ¿Cómo eres? = What are you like?

En mi opinion soy... = In my opinion I am...
Creo que soy ... $=$ I believe I am...
Pienso que soy ... $=1$ think I am ...
muy = very
bastante = quite
ambicioso/a = ambitious
creativo /a = creative
independiente $=$ independent inteligente $=$
intelligent
organizado/a = organised
paciente $=$ patient
práctico / a = practical
serio /a = serious
sociable = sociable




## Quiero ser... I want to be...

abogado/a = lawyer
cantante = singer
diseñador /a = designer
enfermero/a = nurse
mecánico $=$ mechanic
periodista =journalist
policía = police officer
bombero/a = firefighter
taxista = taxi driver
médico/a = doctor

## Preguntas = Questions

1, ¿En qué trabajas?
What do you do for a living?
2. ¿Por qué decidiste ser...?

Why did you decide to be...?
3. ¿Cómo es un día de trabajo
típico?
What is a typical day like?
4. ¿Qué cualidades tienes que
tener?
What qualities do you need to have? 5.¿Cuáles son tus ambiciones para el futuro? What are your ambitions for the future?

## Me gustaría... = I would like...

No me gustaría nada... = I wouldn't like...
trabajar al aire libre = to work in the open air trabajar con animales = to work with animals
trabajar con niños = to work with children
trabajar en equipo = to work in a team
trabajar en una oficina = to work in an office
trabajar solo/a = to work alone
hacer un trabajo creativo = to do a creative job
hacer un trabajo manual = to do a manual job

## En el futuro = In the future

Voy a ... = I'm going to...
ganar mucho dinero = earn lots of money
hacer un trabajo interesante = do an interesting job
ir a la universidad = go to university
ser famoso/a = be famous
ser voluntario/a = be a volunteer
tener hijos = have children
viajar (mucho) = travel (a lot)
estudiar ... = study ...
vivir en el extranjero = live abroad
va a ser muy interesante = it is going to be very interesting
$\mathrm{mi} / \mathrm{mis}=\mathrm{my}$
tu /tus = your
además = in addition
más = more
a veces = sometimes
luego = then

High Frequency Words
también = also
a ver/ bueno / pues = well
por eso = so / therefore
así que = so / therefore
primero = first of all

## Year 9 Spanish <br> Spring 1 <br> Viva 3 Module 2



## Mis Derechos = My Rights

Tengo derecho $=I$ have the right
al amor y a la familia =to love and a family
al juego = to play
a la educación = to education
a la libertad de expresión $=$ to freedom of expression
a un medio ambiente sano = to a healthy environment
a vivir en armonía = to live in harmony

## No puedo... = I can't ...

dar mi opinion = to give my opinion
jugar con mis hermanos = play with my brothers and sisters
salir solo/a = go out alone
dormir = sleep
ir al insti = go to school
respirar = breathe
porque... = because...
tengo que ganar dinero = I have to earn money hay mucha violencia en mi ciudad = there is lots of violence in my city
mi padre grita mucho $=\mathrm{my}$ dad shouts a lot
tengo que trabajar = I have to work
el aire está contaminado =the air is polluted
No es justo porque $=$ it is not fair because ...
Es inacceptable porque = it is unacceptable because....

## Nationalities boliviano/

$\mathrm{a}=$ Bolivian colombiano/a =
Colombian mexicano/a = Mexican norteamericano/a = north American inglés / inglesa = English
español/a = Spanish paquistaní = pakistani

## El comercio justo = Fair Trade

Tiene .... años $=\mathrm{He} /$ she is... years old
Vive = he / she lives
Viven = they live
con su familia = with his/her family
en una plantación $=$ on a plantation
Trabaja = he / she works
Trabajan = they work
catorce horas al día $=14$ hours a day
seis días a la semana $=6$ days a week
para un patrón = for an employer
para una cooperativa = for a cooperative
Gana = he / she earns
Ganan = they earn

## High Frequency Words

$\mathrm{mi} / \mathrm{mis}=\mathrm{my}$
su/ sus = his/her
nuestro/a/os/as = our
más ... que $=$ more.. than
menos ... que $=$ less ... than
para = for / in order to hay $=$ there is / are había = there were a partir de ahora = from now además $=$ in addition

## El medio ambiente $=$ The Environment

Para proteger el medio ambiente = to protect the environment

## Se debería = you should

ahorrar energía en casa = save energy at home apagar la luz = turn off the lights cerrar el grifo = turn off the tap conservar el agua = save water
desenchufar los aparatos electrónicos = unplug electrical devices ducharse en vez de bañarse = shower instead of having a bath
ir en bici = travel by bike
reciclar el papel=recycle paper
reciclar el vidrio $=$ recycle glass
reciclar el plástico - recycle plastic
usar transporte público = use public transport
No se debería = you shouldn't malgastar el
agua $=$ waste water malgastar energía $=$ waste energy
tirar la basura al suelo = throw rubbish on the ground usar bolsas de plástico = use plastic bags

## Mi ciudad en el pasado = My town in the past

Antes = in the past
Era = it was
Era bastante aburrida = it was quite boring Era muy
peligrosa = it was very dangerous
Estaba sucia = it used to be dirty
Había mucha basura = there was lots of rubbish
Había mucha contaminación = there was lots of pollution
Había mucha violencia = there was lots of violence
No había medios de transporte público = there was no public transport
No había nada para los jóvenes = there was nothing for young people

## Bitesize Resources

## Mi ciudad ahora $=$ My town now

## Ahora = now

Está limpia =it is clean
Hay menos basura = there is less rubbish
Hay menos contaminación = there is less pollution
Hay parques bonitos = there are pretty parks
Hay espacios verdes = there are green spaces
Hay una red de transporte muy buena = There is a good transport network
Hay muchas cosas para los jóvenes
= there are lots of things for young people
No tiene barrios peligrosos = it doesn't have
dangerous neighbourhoods

## Glossary of key terms for this unit

Net Shot - Shot hit from the fore court clearing the net and then falling rapidly.

Officiating - The process of overseeing the game and ensuring all the rules and regulations are adhered by.

Let - A let is played by the umpire when something (usually distracting) happens and is beyond their control on court.

Shot tactics - This is the process of building up a sequence of shots in order to set yourself up for an attacking shot.

Anticipation - In badminton this is the ability to quickly and accurately predict the outcome of your opponent's shot and set yourself up for the return.

## Badminton

## Year 9

The net shot is hit from the forecourt to the opponent's forecourt. The closer it falls to the net the more difficult it is to be returned.

When a let occurs the play since the last service will not count and the player which served will serve again.


The umpire must enforce all badminton rules on the court. The umpire makes rules calls regarding service faults, other player faults or lets. The umpire announces the match's score to the players throughout the match.


In badminton, anticipation is preparing for something that is expected to happen. Expected could be a return by an opponent of the shuttle to a particular place.


Shots such as the overhead clear creates space at the front of the court in order to set yourself up for an attacking shot such as the smash shot.

Identify on the image below where you would want a net shot to land;


## Sequence 1

## Sequence 2

## Sequence 3

Identify three reasons why a 'let' might be called in badminton;

Reason 1

Reason 2

Reason 3

Explain what is meant by the term 'shot tactics' in badminton?

Explain what is meant by the term anticipation' in badminton?

## Knowledge Organiser Year 9 Badminton

Research online the roles of the different officials in badminton;

## Line judge

## Match referee

Match umpire

Service judge

## Glossary of key terms for this unit

Counterattack - A fast, direct attack launched immediately upon regaining position of the ball.

Referee - Every match is controlled by a referee who has the full authority to enforce the laws of the game in connection with the match.

Outwitting - This is the ability to gain an advantage over your opponent by being more intelligent or skilful then they are.

Coach - The job of a football coach is to develop the skills and techniques of the players they are working with.

Analyse - This is the ability to reflect on what went well and what areas need developing.


A coach in football is responsible for setting up practices and improving the skill level of their players. It is also important they have good man management skills.


In football coaches and managers will analyse their team's performance and coordinate training sessions based on the areas which need developing. It is also important that coaches reflect on their performance in order to improve as coaches themselves.


Outwitting your opponent is the ability to use tactics, strategies and skills to get the better of them. Players such as Ronaldo will use skill to deceive his opponents.

Describe what is meant by the term "outwitting' in your own words"?

Identify 3 different ways a footballer can outwit their opponents.
1)
2)
3)

Identify a position in football where they are more likely to outwit an opponent and say why?

Design a simple passing activity which involves 4 players?

## Knowledge Organiser Year 9 Football

Describe in your own words the role of a football referee?

Explain the term 'counterattack' in your own words?


## Trampolining Safety

Draw and label the diagram below showing a safe trampolining set up.


What other rules are important to follow when in a trampolining lesson?

Explain how to stop safely when bouncing on a trampoline.

## Seat landing

Using the image below, explain the key points in a successful seat landing.


## Swivel hips

Explain how to progress from a seat landing to a swivel hips move.

Research the following key words and explain in your own words what they mean when performing a trampolining routine.

## Control

Elevation

Flight

Fluency

Rotation

## Knowledge Organiser: Year 9 Trampolining

Design a 10 bounce routine using a range of moves.
Think about how they link together.
Remember, every time you touch the trampoline bed it counts as a bounce!

## Year 8-Sp2 - Islam

| Key <br> word | Definition |
| :--- | :--- |
| Tawhid | The oneness/uniqueness <br> of God. |
| Islam | Surrender or submit to <br> the will of God. |
| Prophet | A messenger from God. |
| Shariah | Clear/straight path. |
| Haram | Not allowed. |
| Halal | Allowed. |
| Jihad | Struggle. |
| Greater <br> Jihad | The personal inward <br> struggle to stay on the <br> path of God. |
| Lesser | The outward struggle to <br> defend Islam against <br> external threats. |

## Belief about God

Muslims believe that there is a single god in the universe, and the word they use to describe this god is Allah.

Muslims think that Allah is unique. There is literally nothing like or equal to Him. This is known as the principle of Tawhid, or 'oneness/uniqueness'.

There are many laws and customs outlined in the Qur'an, that Muslims should follow.

- They must dress modestly, e.g. many Muslims wear long clothes that cover their bodies, and women wear a hijab which covers parts of their hair/face.
- Food must be halal, meaning animals must be killed in a certain way.


## Muhammad

- Muslims believe that God sent his final message to Earth through Muhammad, 1400 years ago.
- When he was around 40 years old, Muhammad is believed to have been approached in a cave by the angel Gabriel, who sent 'revelations' from Allah.
- The messages that Muhammad received were later collected and made into the Qur'an. Muslims believe that they should follow the example set by Muhammad throughout their own lives.


## The Five Pillars of Islam

The Five Pillars of Islam are the behaviours and beliefs by which Muslims must live their lives.
Shahadah: the declaration of faith: 'There is no God but Allah, and Mohammad is his messenger.'
2. Salah: the five daily prayers.
3. Zakah: Giving money to help the poor.
4. Sawm: Committing to fasting during the month of Ramadan.
5. Hajj: A religious pilgrimage to Mecca that Muslims should undertake at least once in their lives.

| Where do <br> Muslims <br> worship God? | - Muslims pray in a building called a mosque. <br> - The word for mosque in Arabic is 'masjid.' <br> - Muslims take off their shoes before entering the mosque to pray. This is a sign of respect. <br> - On Fridays at noon, the most important religious service of the week is held in the mosques. |
| :--- | :--- | :--- | :--- |
| Where do <br> most Muslims <br> live in the <br> world? | There are about 50 countries around the world in which Islam is the largest religion. <br> - The Arab world (the Middle East and Northern Africa) accounts for about 20\% of all <br> Muslims. |
| After Christianity, Islam is the 2nd largest religion in most European countries. |  |

Reduce the key beliefs of Islam into a summary of no more than 50 words.

|  |  |  |  |  |
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Practice writing out the definition of these key terms (without copying from your knowledge organiser).
Islam
Tawhid
Sharia
Greater Jihad

Lesser Jihad

Create a pictogram/diagram to show what is important in Islam.

## Key words

- Respiration is a chemical reaction which releases energy to the surroundings. It is an exothermic reaction which requires oxygen.

| glucose oxygen |
| :---: | :---: |
| $\mathrm{C}_{6} \mathrm{H}_{12} \mathrm{O} 6+6 \mathrm{O}_{2} \Rightarrow 6 \mathrm{CO}_{2}+6 \mathrm{H}_{2} \mathrm{O}+$ ATP |

- Anaerobic respiration occurs when there is no oxygen and occurs in the cytoplasm.

| glucose |  |
| :---: | :---: |
| $\mathrm{C}_{6} \mathrm{H}_{12} \mathrm{O}_{6} \Rightarrow$ | lactic <br> acid |
| $2 \mathrm{C}_{3} \mathrm{H}_{6} \mathrm{O}_{3}+$ ATP |  |

Key Words

- Photosynthesis is a chemical reaction in plants which converts carbon dioxide and water into glucose. It is an endothermic reaction as it absorbs sunlight to power it. The rate is affected by light intensity, temperature and carbon dioxide levels.


Limiting factors


Key words

Cell structure

| Specialised <br> Cell | Function | Adaptation |
| :--- | :--- | :--- |
| sperm | To get the male <br> DNA to the <br> female DNA. | Streamlined head, long <br> tail, lots of mitochondria to <br> provide energy. |
| nerve | To send electrical <br> impulses around <br> the body. | Long to cover more distance. <br> Has branched connections to <br> connect in a network. |
| muscle | To contract <br> quickly. | Long and contain lots of <br> mitochondria for energy. |
| root hair | To absorb water <br> from the soil. | A large surface area to absorb <br> more water. |
| phloem | Transports <br> substances <br> around the plant. | Pores to allow cell sap to flow. <br> Cells are long and joined end- <br> to-end. |
| xylem | Transports water <br> through the plant. | Hollow in the centre. Tubes <br> are joined end-to-end. |


| Structure | Function | Plant/animal |
| :--- | :--- | :--- |
| Cell membrane | Movement of <br> substances in and out of <br> cell | Both |
| Cytoplasm | Cell reactions | Both |
| Nucleus | Hold DNA | Both |
| Mitochondria | Site of aerobic <br> respiration | Both |
| Ribosomes | Protein synthesis | Both |
| Cell wall | Structure and support | Plant |
| Permanent vacuole | Holds sap | Plant |
| Chloroplast | Photosynthesis | Both |

- Communicable disease caused by a pathogen such as bacteria or virus passed from one person to another.
- Non-communicable disease cannot be transmitted form one person to another e.g. cancer.
- Pathogens are micro-organisms that cause disease e.g. virus, bacteria and fungi.
- Antibiotics discovered by Fleming, these work on bacteria.
- Antibodies produced by white blood cells to fight a pathogen.
- Vaccination made up of dead or inactivated form of the disease - works on viruses.


## Key words

- Oxidised when a metal has oxygen added to form an oxide.
- Reduced when oxygen is removed from a metal oxide.
- Reactivity series the list of elements in order of their reactivity.


Equations

## Exothermic

a reaction where energy is transferred to their surroundings.

## Endothermic

 a reaction where energy is transferred from their surroundings.

## Key Words

- Displacement reaction when a more reactive metal displaces a less reactive metal from its aqueous solution. (see reactivity series).
- Salts whenever a reaction takes place between a metal and an acid a salt is formed.
Metal ore the rock a metal is extracted from.
- Neutralisation when an acid reacts with a base, producing a salt and water.


## Year 9 Spring 1 Chemistry

## Key words

- Electrolysis breaks down a substance using electricity.
- Anode the positive electrode which attracts the negatively charged ions.
- Cathode the negative terminal that attracts positively charged ions.


Making Salts

1. Make a solution
2. Filter solution
3. Heat solution
4. Leave to evaporate

pH


- Acids substances that produce $\mathrm{H}^{+}(\mathrm{aq})$ ions when they add them to water.
- Bases are substances that will neutralise acids.
- Alkali is a soluble hydroxide, it produces OH(aq) ions when added to water.
- Neutral pure water is neutral as it is neither acid nor alkali (pH 7).


## Key words

Direct current (dc) current that travels in only one direction.
Alternating current (ac) current that repeatedly reverses its direction.
Plug


кеу vvoras

## Key equations

## Calculating power

power $=$ current $\times$ potential difference
Resistance heating
power $=$ current $^{2} \times$ resistance
carriers in a circuit.

## Year 9 Physics Spring 1

## Key Words

- Melting point the temperature at which a solid will change to a liquid.
- Boiling point the temperature at which a liquid will change to a gas.
- Freezing point the temperature at which a liquid changes to a solid.


## Current potential difference graphs

Potential difference (or voltage) of a supply is a measure of the energy given to the charge carriers in a circuit.


Density mass per unit volume of a substance.

$$
\text { density }=\frac{m a s s}{v o l u m e}
$$

Use a displacement can to measure a solids Volume.

Use scales to measure the mass.


## Key words

Specific latent heat of a substance is the energy needed to change the state of 1 kg of the substance without changing its temperature.

Specific latent heat = energy (joules, J) of fusion ( $\mathrm{J} / \mathrm{Kg}$ ) mass (kg)
00.00 oulemeter

Immersion Heater Metal Block

Thermometer

## Key words



Atomic number (or proton number) of a nucleus is the number of protons in it.
Mass number of a nucleus is the number of protons
plus neutrons in it.
Isotopes are atoms of the same elements with different numbers of neutrons.

## Year 9 Physics Spring 1

## Key words

- Ionisation when atoms become charged because they lose electrons.
- Irradiated when an object is exposed to ionising radiation.
- Half-life the average time taken for the number of nuclei of the isotope in a sample to halve.


## Half-life graph



## Computing

| Sequence | One of the three basic programming constructs. <br> Instructions that are carried one after the other in <br> order. |
| :--- | :--- |
| Selection | One of the three basic programming constructs. <br> Instructions that can evaluate a Boolean <br> expression and branch off to one or more <br> alternative paths. |
| Iteration | One of the three basic programming constructs. A <br> selection of code that can be repeated either a set <br> number of times (count-controlled) or a variable <br> number of times based on the evaluation of a <br> Boolean expression (condition-controlled). |
| Variable | A value that can change depending on conditions <br> or information passed to the program. |


| Boolean <br> expression | An algebraic expression which has a Boolean value. |
| :--- | :--- |
| Comparison <br> operator | Used to compare two expressions. |
| Computer <br> bug | Code that causes your computer to behave in an <br> unexpected way. |
| Resilience | The capacity to recover quickly from difficulties. <br> Subroutine <br> A block of code within a program that is given a unique, <br> identifiable name. Supports code reuse and good <br> programming technique. |

## Computing:

| $\begin{aligned} & \hline 0 \cdot \infty \\ & 0: \boxed{\infty} \\ & \hline \end{aligned}$ | $\overline{u n}$ |  | set my variable - to 0 |
| :---: | :---: | :---: | :---: |
| Comparison operators. Used to make a comparison between two values or variables. | Runs the code in the block if the condition is true. | Used to move the sprite by a certain distance along the $x$ or y axis. | Used to set the value of a variable. |
|  | $3$ |  | say Hiil for (2) seconds |
| Count-controlled iteration - code inside the block repeats a set number of times. | Infinite iteration repeats the code inside the block until the program is stopped by the user. | Rotates the sprite clockwise or anticlockwise by a certain distance. | Causes the sprite to say a message for a certain amount of time. |



## Fruit and vegetables

This group should make up just over a third of the food eaten each day.
Aim to eat at least five portions of a variety each day.
Choose from fresh, frozen, canned, dried or juiced.
A portion is around 80 g ( 3 heaped tbs). 30 g of dried fruit or 150 ml glass of fruit juice or smoothie count as a max of 1 portion each day.

## Potatoes, bread, rice, pasta or other

 starchy carbohydratesBase meals around starchy carbohydrate food.
This group should make up just over a third of the diet.
Choose higher-fibre, wholegrain varieties.

## Dairy and alternatives

Good sources of protein and vitamins. An important source of calcium, which helps to keep bones strong.

Should go for lower fat and lower sugar products where possible.

## The Eatwell Guide

 diet.Comprises 5 main food groups.
Is suitable for most people over 2 years of age. Shows the proportions in which different groups of foods are needed in order to have a well-balanced and healthy

Shows proportions representative of food eaten over a day or more.

## Beans, pulses, fish, eggs, meat and

 other proteinSources of protein, vitamins and minerals.

Recommendations include to aim for at least two portions of fish a week, one oily, and people who eat more than $90 \mathrm{~g} /$ day of red or processed meat, Should cut down to no more than 70g/day.

## Oil and spreads

Unsaturated fats are healthier fats that are usually from plant sources and in liquid form as oil, e.g. olive oil.

Generally, people are eating too much saturated fat and need to reduce consumption.

## Foods high fat, salt and sugar

Includes products such as chocolate, cakes, biscuits, fullsugar soft drinks, butter and ice cream.
Are high in fat, sugar and energy and are not needed in the diet. If included, should be had infrequently and in small amounts.

## 8 tips for healthier eating

These eight practical tips cover the basics of healthy eating and can help you make healthier choices.

1. Base your meals on starchy carbohydrates.
2. Eat lots of fruit and veg.
3. Eat more fish - including a portion of oily fish.
4. Cut down on saturated fat and sugar.
5. Eat less salt (max. 6 g a day for adults).
6. Get active and be a healthy weight.
7. Don't get thirsty.
8. Don't skip breakfast.

## Hydration

Aim to drink 6-8 glasses of fluid every day. Water, lower fat milk and sugar-free drinks including tea and coffee all count.

Fruit juice and smoothies also count but should be limited to no more than a combined total of 150 ml per day.

## Fibre

Dietary fibre is a type of carbohydrate found in plant foods.
Food examples include wholegrain cereals and cereal products; oats; beans; lentils; fruit; vegetables; nuts and seeds. Dietary fibre helps to reduce the risk of heart disease, diabetes and some cancers; help weight control; bulk up stools; prevent constipation; improve gut health.
The recommended average intake for dietary fibre is 30 g per day for adults.

## Composite/combination food

Much of the food people eat is in the form of dishes or meals with more than one kind of food component in them. For example, pizzas, casseroles, spaghetti Bolognese and sandwiches are all made with ingredients from more than one food group. These are often called 'combination' or 'composite' foods.


## Key terms

The Eatwell Guide: A healthy eating model showing the types and proportions of foods needed in the diet.

Hydration: The process of replacing water in the body.

Dietary fibre: A type of carbohydrate found in plant foods.

Composite/combination food: Food made with ingredients from more than one food group.

