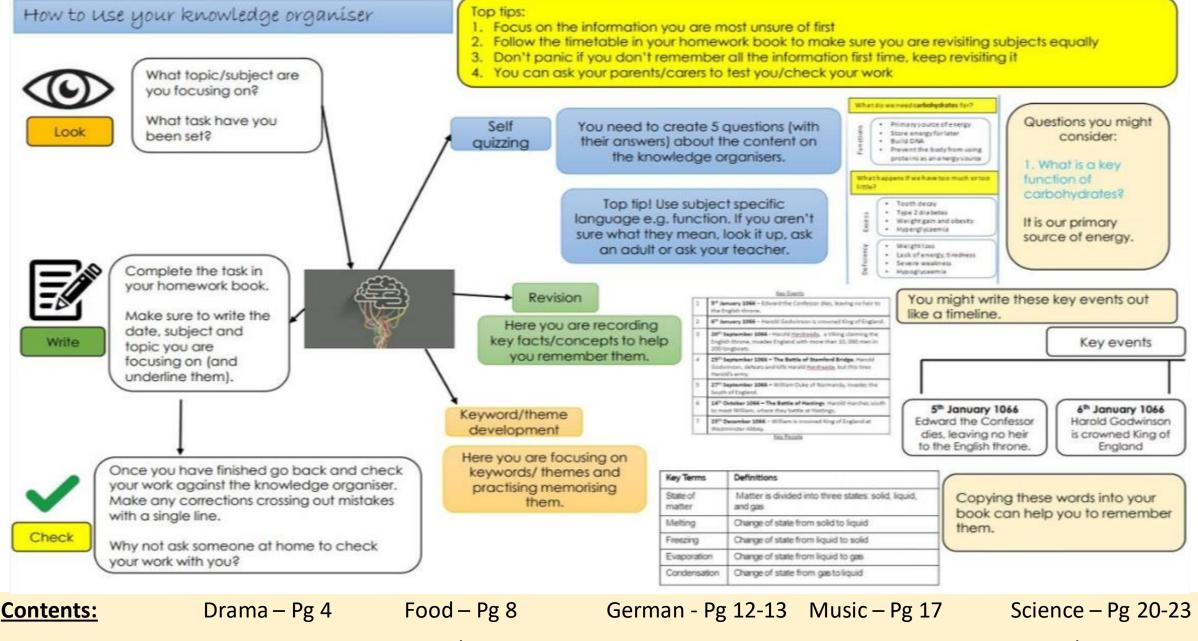


3 rd January 2021	Week B
10 th January 2021	Week A
17 th January 2021	Week B
24th January 2021	Week A
31st January 2021	Week B
7th February 2021	Week A
14 th February 2021	Week B

Complete your homework on the night stated e.g. if it is a Monday week A you will complete DT and English homework.

Knowledge Organisers 2021-22 Year 9 – Term 3

	Week A	Week B
Monday	English/DT	Science/MFL
Tuesday	Maths/Drama	ICT/PE
Wednesday	Science	English
Thursday	RS/Music	Geography/Art
Friday	History	Maths



contents.	Diailia – Fg 4	roou – rg o	German - Pg 12-13	Music - Fg 17	Science - Fg 20-23
Art Pg 2	DT – Pg 5	French – Pg 9-10	History – Pg 14	PE – Pg 18	Spanish – Pg 24
ICT Pg 3	English – Pg 6-7	Geog – Pg 11	Maths – Pg 15-16	RS – Pg 19	Textiles - Pg 25

Year 9 — Past Project

Content: In this project you will learn

Knowledge - different artists who have represented

Understand - What inspired these artists to create work and how to write about the work Skills - You will learn how to analysis artists work, improve drawing skills, tonal work, ceramics Outcome - Tonal drawing and ceramic piece









The Suffragettes' Movement

The women's suffrage movement was a decades-long fight to win the right to vote for women in the United States. It took activists and reformers nearly 100 years to win that right, and the campaign was not easy: Disagreements over strategy threatened to cripple the movement more than once.

The Civil Rights Movement

The civil rights movement in the United States was a decades-long struggle by African Americans and their like-minded allies to end institutionalized racial discrimination, disenfranchisement and racial segregation in the United States.

The Stonewall Riots

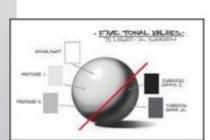
The Stonewall riots were a series of spontaneous, violent demonstrations by members of the gay community in response to a police raid that began in the early morning hours of June 28, 1969, at the Stonewall Inn in the Greenwich Village neighborhood of Manhattan, New York City.

KEYWORDS Conflict Inequality Racism Discrimination Slavery **Apartheid** Female emancipation Social Class Gay rights









GSCE ART Annotation

space Closed Distorted flat. Organic Deep Flat Negative Background Composition Curvaceous Elongated Large

Pattern and Texture Repeated Uniform Geometric Random Symmetrical Soft Irregular Coarse Bold Uneven Burney Rough Smooth Useven Spiky Broken Furry Grid

Fluent Controlled Powerful Strong Geometri Angular Light Delicate Flowing Simple. Thick Thin Horizontal Broken Interrupted Rounded Overlapping Broken

Primary: Secondary Tertiary Radiant Contrasting Deep Monochrome Harmonious Natural Earthy Subtile: Pale Cool Warm Saturated Luminous Strong

Basic, simple, solid, loud, quiet, bright, realistic, stylised, observed, busy, vibrant, strange. interesting, balanced. Evely, negative, recognisable, abstract, tactile, meaningful symbolic, depressing, unique, emotive, hidden, textural, dynamic, disturbed, sophisticated. puttling, optimistic, powerful, intentional,

Tone Bright

Dark

Faded

Smooth

Barsh

Contrasting

Intense

Sombre

Grey.

Large

Example

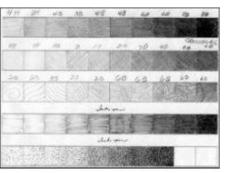
I have created this piece using watercolours. coloured pencil and oil pastel. Thave learnt how to blend the watercolours to show different sones. and use oil pastels to show the darkest tones and add rexture. The piece shows strong shapes and vivid colours. These added coloured penots to show some areas in more detail and focus. The artist Georgia O'Keeffe hus inspired my piece. In herwork the uses bright, bold colours to show close up views of flowers with arange of dark to ight tones. Laim to now further develop my piece by using other materials. (could do this by experimenting with black prints on watercolour back grounds or possibly try pointing onto fabric

to the nutitefunto to show more detail.

REMEMBER to check your... Spellings, Grammar and Punctuation

Sentence Starter Help Try thinking of your own too

- In this piece I have...
- · The materials I have used are...
- . The technique I have used is...
- · Through working in this way I have learnt how to...
- . I have shown... in the style of ...
- This piece could develop further by including.
- The artist
- my designs because.
- · To develop this piece further! could..
- · I think using... worked really well because.
- I am particularly pleased with... and



Year 9 - Computer Systems

Strong Passwords

Prevents unauthorised access to a computer system. A strong password contains: Uppercase letters, Lowercase letters, Numbers, Symbols, 8 or more characters

Saving Files

It is important to regularly save files/work so that you do not lose your work.

How to save a file?

- Save in your documents
- Save with a relevant file name
- 3. Saved in an appropriate folder structure
- Save the file in a folder that is relevant to the topic

Save and Save As

- "Save" updates a file
- "Save As" creates another version of the file

Networks

Computers connected together that share data and resources.

Cloud Storage

Cloud computing is storage that you can access through the Internet

- + Files can be accessed from anywhere
- You have unlimited storage space and can store for free
- Allows you to create more local storage
- Good form of a backup storage
- Does not require expensive hardware
- You need internet access
- Has the potential to get hacked
- Data could be seen by a third party
- Can be expensive long term



Networks Types

Two or more computers connected together that share data and resources

LAN (Local Area Network)

Network in a small geographical area Example: Small Office, School

WAN (Wide Area Network)

Network in a large geographical area Example: The Internet

WPAN (Personal Area Network)

Network centred around a single user Example: Bluetooth Headset, Hotspot

Advantages of Networks:

- Sharing files is easier
- + Share hardware (printers)
- Updates are central
- User accounts can be stored centrally

Disadvantages of Network:

- Set up could be expensive
- Vulnerable to hacking
- Need specific hardware
- Might need a network manager

Bluetooth

Short range wireless connection

- Very common connection type and Low power usage
- Low bandwidth and Short range

Wired and Wireless

Wired Networks

Computers connected together using wires.

- Fast connection
- More secure than wireless
- Set up could be expensive
- Wires are trip hazards
- Difficult to connect new devices

Wireless Networks

Computers connected together using wireless connections (Wi-Fi).

- Freedom to move around
- Less secure
- Connection can be interrupted by walls and other electronic devices

Cyber Security

Malware - Any hostile or intrusive softwares

Hacking - People that gain unauthorised access to a computer

Prevention - Passwords, Antivirus, Firewall, Encryption



Year 9 Drama Knowledge Organiser. Make sure when you rehearse and perform your devised piece, you include the following skills and techniques:

Physical Skills

Body language
Interaction
Posture
Gait
Gesture
Spatial awareness
Proxemics
Control
Mannerisms
Facial expressions
Eye focus / contact
Energy
Stage presence

Characterisation

Blocking: the precise movement and positioning of actors on a stage

Vocal Skills

Volume
Diction
Emphasis
Accent
Intonation
Inflection
Emotional tone
Pitch
Pace
Pause

You can include:

Levels, mime, slow motion, direct address, flash back, flash forward, improvisation, silence, pause

Teamwork

It is important to work together as a team and commit clearly to that group:

- turn up on time
- be positive
- accept ideas
- respect other opinions

At the very beginning of the devising, things will not be perfect. Remember the bigger picture and be positive, knowing that details can be fine-tuned later on. Groups that are always evolving and experimenting with their ideas can experience more success with their work.

The final stages of the process

Run through the piece for an audience that understand its importance.

- get rid of things that don't work
- run the piece with any technical aspects (projection and sound)
- test sound levels and sightlines

Then ask for honest feedback and act on it.

- Does it make sense if it needs to?
- Have the initial aims and objectives been met?
- Is the desired message being received clearly?
- Is the pace appropriate?
- Is it running smoothly?
- Has everyone learned what happens, when and where?
 Be prepared to make mistakes and be resilient enough to carry on, but most importantly, enjoy performing.

Year 9 D&T - Term 1 - Pewter Project



Select one symbol from the selection above.

Create a logo for a product/company of your choice using your chosen symbol.

You can achieve this by modifying your chosen symbol by applying a range of composition techniques to develop its shape, form, and visual appeal. Be as creative as possible.

Logo design principles

- Simple needs to be easily identifiable at a glance.
- Memorable should be easily recalled after just one look.
- Original Create a unique design that cannot be confused with another.
- Timeless should be modern yet timeless and should avoid trends.
- Versatile can be used in a variety of sizes and colours.
- Appropriate should be appropriate for the intended audience.

Keywords

Malleable – able to be hammered or pressed into shape without breaking

Innovative- new and original

Analysis - detailed examination of the something Annotation- analysis added to a text or diagram Alloy - a metal made by combining two or more metallic elements

What is Pewter?

Pewter is a malleable metal alloy consisting of tin, antimony, copper, bismuth, and sometimes silver. Modern pewter consists of are 94% tin.

Pewter has a low melting point (around 170–230 °C) making it ideal for melting on a chip forge and brazing hearth and casting.

2D Design Basic Tools

SELECT – Use this tool to select different to DESIGN
highlight objects.

LINE – This tool creates straight lines. Click to start the line, extend out and click to finish.

O CIRCLE – This tool creates circle shapes. Click to start the circle, extend to the size needed and click to finish.

PATH – This tool creates curved lines through continual clicks.

RECTANGLE – This tool can be used to create both rectangular and square shapes.

TEXT – Use this tool to insert text onto your designs.

The font, size and direction of the text can be changed.

DELETE PART – Use this tool to delete separate lines and objects.

DEL DELETE ANY – Use this tool to delete whole lines and objects.

CAD/CAM

CAD stands for Computer Aided Design.

It involves designing products on a <u>computer</u>, rather than using a pencil and paper. CAD packages include <u>20 deswing noftware</u> (e.g. Adobe* illustrator*, CorelDRAW*, TechBoft <u>20 Design* and ArtCAM*)</u> and <u>30 modelling noftware</u> (e.g. SolidWorks*).

CAD helps designers model and change their designs quickly. It's easy to experiment with alternative colours and forms and you can often spot problems before making anything.

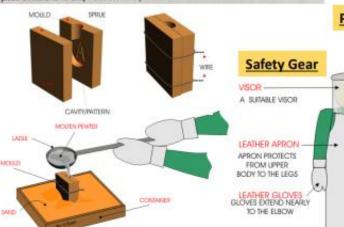
In 3D programs, you can view the product from all angles-CAM stands for Computer Aided Manufacture.

It's the process of manufacturing products with the help of computers-

CAD software works out the coordinates of each point on the drawing. These are called $\underline{x.y.z}$ coordinates — x is the left/right position, y is forwards/backwards and z is up/down. The point where x, y and z meet is (0.0,0) — the <u>datum</u>.

CAM machines are computer numerically controlled (CNC) — they can follow the x.u.z coordinates and move the tools to out out or build up your design.

For example, some miling machines are CAM machines. They remove material from a larger piece of material to shape and create a product.



Isometric Drawing Shows Objects at 30°

- Isometric drawing can be used to show a <u>3D picture</u> of an object.
 It doesn't show perspective (things don't get smaller in the distance).
- but it's easy to get dimensions right.
- 3) There are three main rules when drawing in isometric:
 - Virtical edges are drawn as vertical lines Horizontal edges are drawn at 307
 - Parallel sulpen appear an parallel from

Pas drawing's been done on sometric dot paper. You could use plant paper and a 307/807 set square instead.

Crating Can Be Used to Draw 3D Shapes

Crating is where you start by drawing a box — the 'crate' — and gradually add bits on and take bits off till you get the right shape. For example, you can remove sections from a subold to make any other 3D shape.



- When you're sketching a 3D object, it's easier if you imagine it as a basic shape.
- First draw the basic geometric shape faintly.
 Stick to a porticular drawing technique isometric drawing, for example.
- 4) The object can then be drawn within the box.
- Details of the object can be added by drawing more geometric shapes on top.



Evaluation

Designers evaluate their finished products or prototypes in order to test whether they work well and if the design can be corrected or improved. Whatever you have designed it is important to evaluate your work constantly during the project.

Evaluation can take a variety of forms:

- General discussion with other pupils, staff and others.
- Questionnaires / surveys carried out at any time during the project.
- Your personal views, what you think of existing designs.
- Most important of all what do you think of your designs, prototypes and finished products?
- Can you think of any other ways of evaluating your work?

Context

McCarthyism – accusations of disloyalty, subversion, or treason without proper regard for evidence.

Italian Immigration – Immigrants usually faced persecution from other Americans, which is why they live together for protection.

American Dream – Life should be better, richer and fuller for everyone.

Greek Tragedy – Central character cannot avoid their tragic fate.

Plot

Eddie Carbone is an Italian longshoreman working on the New York docks. When his wife's cousins, Marco and Rodolfo, seek refuge as illegal immigrants from Sicily. Eddie agrees to shelter them. The trouble begins when his wife's niece is attracted to Rodolfo. Eddie's jealousy culminates in an unforgivable crime against his family and the Sicilian community.

Characters

Alfieri: An Italian-American lawyer. He narrates the story, speaking directly to the audience and attempts to make the social and moral implications of the story clear.

Eddie: An Italian immigrant and longshoreman (dockyard worker). He is the husband of Beatrice and Catherine's non-biological uncle. He is the **tragic hero** of the play.

Beatrice: An Italian immigrant and Eddie's wife. She has raised Catherine since the death of her mother. She is a warm and caring character.

Catherine: The orphaned niece of Beatrice and Eddie. Catherine has been sheltered by Beatrice and Eddie and wants to experience the world.

Marco: Cousin of Beatrice and an illegal Italian immigrant. He is hard working and plans to send the money he earns back to his family in Italy.

Rodolpho: Cousin of Beatrice and an illegal Italian immigrant. Rodolpho is seen as an effeminate (acting in a stereotypical feminine way) because he cooks, sews, sings and dances. He wants to be an American and gain wealth and fame. His relationship with Catherine causes problems with Eddie.

Symbolism

Brooklyn Bridge - Alfieri's viewpoint from the bridge that links Italian and American cultures and allows Alfieri to narrate past events to the audience.

Italy - Homeland, origin and cultural link to the people of that community.

High heels - For Catherine, high heels are representative of womanhood, flirtation and sexiness.

Key quotes

"I'm ashamed. Paper Doll they call him. Blondie now." – Eddie isn't happy with the way that Rodolpho presents himself. He worries that the other longshoreman will judge him and doubt his masculinity.

"My wife – she feeds them from her own mouth." – Marco tells Eddie and Beatrice how poor their family is in Italy. It makes it clear why he and Rodolpho have come to America.

"All the law is not in a book." – This links to the key themes of Justice and Honour. The Italian community live by their own rules that are outside the law. E.g. If you snitch, you are exiled from the community and may be beaten or killed.

"Called me a rat in front of the whole neighborhood." – Eddie shows his anger at Marco's words. He doesn't want to be dishonoured in the Italian community.

"Eddie, I never meant to do nothing bad to you." – Catherine shows how upset she is. She doesn't understand Eddie's behaviour and realises that her relationship with him has changed forever.

"He allowed himself to be wholly known, and for that I think I will love him more than all my sensible clients." – Alfieri respects Eddie and his outpouring of emotions. Alfieri feels that Eddie is a product of the Italian community and could not have changed his fate.

Key Words

Tragic hero: A main character who has a tragic flaw which leads to their downfall or death.

Tragic flaw: the character defect that causes the downfall of the tragic hero.

Tragedy: a genre of play which deals with tragic events and ends in an unhappy ending. It usually involves the downfall of the main character.

Foreshadowing: a warning of a future event.

Prologue: an event or act that leads to another.

Narrator: a person who retells or recounts the events of a novel or play.

Themes

Community -

Law versus Honour: American law (represented by Alfieri) is not followed in the Italian community. Instead, they follow their own form of justice based on **honour**. E.g. If you snitch, you will be exiled from the community and beaten/killed.

Masculinity: Gender stereotypes influence the characters, especially Eddie. He is determined to be masculine and is suspicious of Rodolpho's 'feminine' behaviour.

Love: Confusion between familial love and romantic love causes issues within the play.

Jealousy: Eddie's jealousy becomes his tragic flaw and leads to his downfall.

Unit 3: Identity Poetry

Benjamin Zephaniah: Born and raised in Birmingham, His poetry is influenced by music, poetry and street politics of Jamaica. Uses humour, rap and dub-rhythms to make poetry accessible. Zaffar Kunial was born in Birmingham to an English mother and a Kashmiri father. He now lives in Hebden Bridge. A.K.Blakemore - her poems explore a range of subjects: having a broken heart, exploitation, pop-culture, sunshine and covering more obscure topics. Spite inspired her to write. She was born in London; she still lives in London. She can be described as rebellious and confrontational. John Agard: Born in Guyana, South America in 1949, Agard moved to Britain in the late seventies. His poems explore cultural differences, class divisions and subverted racial stereotypes. Sujata Bhatt (1956) grew up in India but emigrated with her family to the United State in 1968. Honey Birch is a Slam Poet; she is Chines and was adopted by white parents. Elizabeth **Acevedo** is a Dominican-American poet and author. She is also a National Slam Poetry Champion.

Saeed Jones was born in Memphis and raised in Lewisville, Texas. His poems often examine race, desire, power, and grief, and incorporate mythology. Carol Ann Duffy was born in Glasgow in 1955 to a Scottish father and an Irish mother. Duffy was the first LGBT poet to be nominated as Poet Laurette. Vanessa Kisuule is a Bristol City Poet and performer, winner of many slam competitions. Maya Angelou was a poet and civil rights activist. Lucille Clifton: represents African-American experience and family life during the Civil Rights Movement. She was born in New York in 1936

Poems

1. I Love Me Mudder. Explores a relationship with his mother. The speaker shows how he values his mother and that their love is true and pure

- 'Us' by <u>Taffar Kunial</u> describes the ways that the word us means both separation and unity and how that gap could be bridged
- **3.** *Peckham Rye Lane* by <u>Amy Blakemore</u> is a portrait of a street in London and the chaos, absurdity, and peace.
- 4. Oxford Don. The speaker shows his frustration with the superior attitude of the Mr Oxford Don – a university professor - with regards to immigrants like himself.
- 5. Search For My Tongue. The poem's speaker is someone living in a foreign country who fears forgetting her native language. It explores how our language is linked to one's identity.
- A Chinese Kid In A White Family Honey Birch's poem is a one which shows the absurdity of stereotyping a person who has dual heritage. The speaker is Chinese adopted by white parents.
- 7. .Names: Xiomara is the novel's protagonist. She is a 15-year-old Dominican American teenager living in Harlem a twin, trying to find her voice. Poetry is the way that allows her to do this; it allows her to question her upbringing and to defend herself, until she is able to find her true self.
- 8. Boy In A Stolen Evening Gown. The speaker is someone who cross dresses and identifies as being gay. He wants to be accepted for who he is.
- 9. 'In Mrs Tilscher's Class' paints a vivid picture of a young child's experience in primary school, under the tutelage of the -loved Mrs Tilscher. The poem also traces the end of the child's journey from innocence to the tumult of adolescence
- Hollow: A response to the destruction of the statue of Edward Colston, the slave owner.
- 11. Still I Rise. The poem is an assertion of the dignity and resilience of marginalized people in the face of oppression. It is also a celebration of her identity as a powerful black woman.
- 12. **You Celebrate With Me.** Throughout this poem, the <u>speaker</u> explores her journey and the obstacles that were in her way to becoming her true self

Tier 3 vocabulary

Meaning – the main message of the poem Speaker – the voice of the poem.

Imagery – the words which paint images in the reader's mind.

Simile – indirect comparison (like/as)

Metaphor - direct comparison

Personification – when a non-living object is described as looking like or behaving like a human.

Tone – the feeling/atmosphere of the poem **Structure** – the organisation of the poem, its rhyme scheme, the rhythm.

Stanza - grouped lines in a poem

Form – the type of poem – i.e. sonnet, ode.

Caesura – punctuation which occurs mid-line:

Caesura – punctuation which occurs mid-line slows the rhythm.

Enjambment – lack of terminal punctuation, speeding up the poem.

End-stopping – punctuation at the end of a line **Metre** – number of beats per line

Plosive – sound made by stopping airflow – b,t,k, d, p; it creates a harsh sound.

Onomatopoeia – a word which sounds like the thing it is describing – i.e. bang

Alliteration – the repetition of the same sound

Sibilance - the repetition of the 's' sound

Absurdity

Confrontational

Tier 2 vocabulary

- Heritage
- Native
- Resilience
- Identity
- Adolescence
- Innocence
- Oppression
- Stereotype
- Myopic
- Bigot
- Sexuality
- Repressed
- Tolerance

Themes

Resilience: poets and their speakers show an unwillingness to be defeated; they present strong individuals who have managed to rise above their oppression.

Sexuality: in these poems, some speakers show their sexuality as a means of self-expression and power; others are less bold, uncertain of how others may respond to their sexuality.

Language and identity: some poets explore the importance of language and words which are a way that people think of their own identity; in a different way, some poets show how language is used as a means of power to make others feel unwelcome.

What do we need proteins for?

- · Build enzymes and hormones Fu
 - Build cell membranes
 - Repair and maintain tissues
 - Defend the body (antibodies)
 - Secondary source of energy

What happens if we have too much or too little?

Ex ce SS

nc

tio

ns

- Kidney and liver diseases
- Weight gain

De

en

CV

- Kwashiorkor
- Slowing growth rate
- Swelling

Protein alternatives

Vegetarians and vegans don't consume meat so instead they use protein alternative products which are manufactured in order to provide protein in a diet and protein rich foods.











Beans, lentils, chickpeas

What do we need carbohydrates for?

Fu Primary source of energy nc

Store energy for later

tio **Build DNA**

Prevent the body from using proteins as an energy source

What happens if we have too much or too

Tooth decay

Ex Type 2 diabetes ce

· Weight gain and obesity 55

Hyperglycaemia

De fici

cy

nc

tio

ns

little?

De

fici

en

Cy

Ex

ns

Weight loss

What do we need fats for?

Insulation

Obesity

Hypertension

· Fatty liver disease

Type 2 diabetes

- Lack of energy, tiredness en
 - Severe weakness
 - Hypoglycaemia

Source of energy

Dissolve vitamins

Build hormones

Build cell membranes

What happens if we have too much or too

Coronary heart disease

Visible fats

Made by Plants &

Animals

& plants

found in meet dairy

Build & Protects

Muscle

found in most, daily

E some plants



Fats you can see, such as on meat are often saturated.

Macros

Provides Long

Lasting Energy

during & creat

Micros

Quickest Source of

Energy

found in fluits:

veggies & graim

linerals

Consumed by

Plants & Animals

found in meat, delay

5 plants

Unsaturated fats vou cannot see. such as in nuts and avocados. They are often good for the brain,







Unsaturated

Vitamin deficiency

Heart disease

Weight loss

· Feeling cold

There are two different types of fats

Olive oil

Avocado

Micronutrients

Vitamins and minerals are essential nutrients that your body needs in small amounts to work properly.

Year 9- Food

Food Fortification

During processing, many food products lose their nutritional value.

The function of fortification is to:

- Restore nutritional value of foods.
- Improve nutritional value of foods.
- Make food more suitable for certain groups of consumers.
- Prevent diseases caused by malnutrition.

Some foods are fortified by law:

Wheat, flour and bread	Thiamine	To prevent beriberi disease, help release energy from food.	
	Niacin	To prevent pellagra, help release energy from food.	
	Calcium	To prevent rickets and osteoporosis.	
	Iron	To prevent iron deficiency anaemia.	
Vegetable fat spreads	Vitamin A	To prevent growth and eyesight issues, such as night blindness.	
	Vitamin D	To prevent rickets and osteoporosis.	
Semi-skimmed and skimmed milk	Vitamin A	To prevent growth and eyesight issues, such as night blindness.	

Other foods, such as cereals and fruit juices, are fortified voluntarily.













9.10 Leisure and heathy living vocabulary list

très - very

tellement- so

assez – quite

un peu – a bit

Les activités	activities
Aller	to go
jouer	to play
manger	to eat
visiter	to visit
faire	to do
danser	to dance
boire	to drink
regarder	to watch
écouter	to listen
lire	to read
achêter	to buy
finir	to finish
voir	to see
écrire	to write
dormir	to sleep
nager	to swim
rencontre	to meet
voyager	to travel
chanter	to sing
envoyer des SMS	to text
contacter	to contact
téléphoner	to call
cuisiner	to cook
télécharger	to download
travailler	to work
aider	to help
méditer	to meditate
se rélaxer	to relax
se détendre	to rest

Les endroits	Places
Chez moi	At home
Chez mon ami	At my friend's house
Chez mon père	At my dad's
Chez ma mère	At my mum's
Chez mes grand-parents	At my grand-parents'
Dans ma chambre	In my room
Dans le salon	In the living room
Dans le jardin	In the garden
Dans ma zone	In my neighbourhood
En Angleterre	In England
À l'étranger	Abroad
En ville	In town
À la camagne	In the countryside
À la montagne	In the mountains
Au bord de la mer	By the seaside
Les gens	People
Avec	With
Mes amis	My friends
Mon frère	My brother
Ma soeur	My sister
Mes parents	My parents
Ma famille	My family
Seul(e)	Alone
Intensifiers	

trop - too

vraiment - really

éxtremement - extremely

pas du tout - not at all

Adjetivos	Adjectives
Amable	Kind
Agradable	Pleasant
Content(e)	Нарру
Bavard(e)	Chatty
Beau/belle	Beautiful
Amusant(e)	Fun
Migon(ne)	Cute
Joli(e)	Pretty
Propre	Clean
Parfait	Perfect
Rapide	Fast
Riche	Rich
Sage	Wise
Timide	Shy
Travailleur/se	Hard working
Triste	Sad
Ennuyeux/se	Boring
Embêtant(e)	Annoying
Serieux/se	Serious
Facile	Easy
Difficile	Difficult
Stricte	Strict
Moche	Ugly
Bruyant(e)	Noisy
Impoli(e)	Rude
Horrible	Horrible/Awful
Paresseux/se	Lazy
Sportif/ve	Sporty
Enrichissant/e	Enriching
Intéressant(e)	Interesting
Vieux/vieille	Old
Relaxant	Relaxing

Healthy living key verbs Se coucher to go to bed Avoir envid de to fancy, to feel like Courir to run Se droguer to take drugs Se soûler to get drunk Se sentir bien/mal to feel well/ill Être au régime to be on a diet Être en forme to be fit Éviter to avoid Fumer to smoke Essayer de (+ infinitive) to try to Se lever to get up Rester en forme to keep fit S'inquiéter to worry Goûter to try, to taste, Se sentir to feel Vaincre to overcome Avoir mal to have a pain (in) Être fatigué to be tired



9.10 Leisure and heathy living

Time phrases Infinitives 3 time frames

describing and comparing justifications opinions



Verbs and the present tense in French

The infinitive

When you look up a verb in the dictionary, you find its original, unchanged form which is called the *infinitive* (manger, boire, jouer, visiter, habiter, aller etc.). The infinitive ends in **-re**, **-er** or **-ir**.

Forming the present tense in French

Take off the last 2 letters of the infinitive (-re, -er or -ir) and add the following endings depending on the pronoun:
*Important! There are some key irregulars to learn which don't follow this

pattern – aller (as shown here), être, avoir and faire are really important!

	RE verb	ER verb	IR verb
Je (I)	-S	ф	-S
tu (you)	-S	-es	ċ
il/elle (he/she)		Ф	-t
nous (we)	-ons	-ons	-issons
vous (you all)	-ez	-ez	- issez
ils/elles (they)	-ent	-ent	- issent

Verbs and the near future tense in French You can talk about the future by using the near future

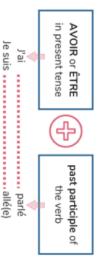
what you are going to do Use part of the verb ALLER + a + the infinitive to say

Ce soir je vais jouer au tenis. This evening I am going to

play tennis. Demain Paul va a faire un gateau. Tomorrow Paul is going to make a cake

They are going	lls/elles vont
You (lot) are going	Vous allez
We are going	Nous allons
He /she/one is going	II/elle va
You are going	Tu vas
I am going	Je vais
Aller (to go)	Aller

Verbs and the past tense in French



Tu as J'ai (present)

Nous avons II /elle est Tu es Nous sommes Je suis (present)

II /elle a

lls /elles ont

lls /elles sont

Vous êtes

Vous avez

-ER ⇒ É (parlé) -IR ⇒ I (fini) -RE ⇒ U (vendu)

être eu fait pu pu été

9.10 Leisure and heathy living

3 time frames Infinitives Time phrases

> opinions justifications



J'ai l'intention de + infinitive (I plan to/ I intend to Je voudrais + infinitive (I would like to...)

1.Expressing FUTURE intentions:

2.Using infinitives after j'aime/je m'aime pas/je déteste/je préfère : You can also use an infinitive after opinion verbs such as aimer, détest verb ending with -ing) in English: verbs such as aimer, détester and préférer. They are usually translated with a gerund (a

J'aime habiter à Newcastle - I like living in Newcastle.

Tu préfères jouer au foot ou au tennis? - Do you prefer playing football or tennis? Je déteste <u>boire</u> du café parce que c'est dégoûtant – She hates drinking coffee because it's disgusting

3.Opinions

J'aime beaucoup- I like a lot J'aime - I like

Je n'aime pas beaucoup-I don't like

much Je préfère – I prefer

Je déteste - I hate

Je ne peux pas supporter

Normalement - normally 7.Time phrases

D'habitude - usually

Quelquefois Géneralement - generally sometimes

4.Justification

Parce que - because Ainsi – therefore/so

Par conséquent - consequently

5.Comparisons

Plus.. ..que -more...than

Moins...que - less ..than

Aussi...que – as...as

6.Superlative Le/la plus – the most

Le/la moins – the least Le/la mieux – the best

Le/la pire - the worse

La semaine prochaine - next week Le weekend prochain- next weekend Rarement - rarely

Ensuite - next

Le mois dernier - last month L'été dernière - last summer Le weekend dernier - last weekend

Pendant le confinement - during lockdown

Born in Sweden in 2003

In 2018, Greta started her 'School Strike for Climate'

These strikes were picked up in the press and started the #Fridaysforfuture strikes, where children around the world skipped school on a Friday



Greta has Aspergers which she says is her "superpower"

> An environmental activist

In March 2019 - the first global co-ordinated strike saw 1.6 million people from 125 countries take part.

Founded in 2018

They want the government to declare a "climate and ecological emergency' and take immediate action to address climate change.



They are a "nonviolent civil disobedience activist movement"

> They hope to halt the next mass extinction and possible social collapse.

Their first UK disruption was in Parliament Square, London on 31st October, 2018. 1,500 people turned up to be 'peacefully disobedient'.

One of the two founding members is from Stroud, Gloucestershire.

Key Word	Definition
Climate Change	A change in global or regional climate patterns, in particular a change from the mid to late 20th century onwards due to the increased levels of atmospheric carbon dioxide produced by the use of fossil fuels. Warmer global temperatures.
Awareness	Gaining knowledge of a situation.
Campaigning	Working in an organised and active way towards a particular goal.
Sustainability	Meeting the needs of the present without damaging the future
Adaptation	The process of change in order to deal with a situation. In this instance, changing behaviours to deal with changes in our climate.
Mitigation	The action of reducing something. In this instance, actions to reduce greenhouse emissions.
Accountability	Being expected to justify your actions and being held responsible for them.
Climate crisis	A term describing the threat of global warming and the dangerous, irreversible changes to the global climate.
Individual	the role played by a single person/family.
Local	A small surrounding area eg town, city or local council area.
National	Country wide.
International	Across multiple countries.

Managing climate change					
Adap	tation	Mitigation			
Managing water supply e.g. water meters	Changing agricultural systems e.g. shade trees	Using renewable energy sources e.g. wind & solar	Invest in more energy efficient appliances		

9.10 Leisure and heathy living

Infinitives 3 time frames Time phrases

justifications describing and comparing

fahren To go

Verbs and the present tense in German form which is called the *infinitive* (essen, trinken, spielen, sein, feiern, When you look up a verb in the dictionary, you find its original, unchanged ich(I) du (you) machen To do machst mache spielst spiele spielen To play

The infinitive

same pattern as 'machen'.
*Important! There are some key irregulars to learn which don't follow this pattern – sein and fahren (as shown here) and fahren are really

relevant to the person you are talking about. Regular verbs follow the Take the infinitive – knock off the ending (en) and then add the ending

wir (we)

ihr (you all)

macht

spielt

fahrt

machen

fahren

er/sie (he/she)

macht

spielt

fährt fährst fahre

machen

spielen

fahren

Forming the present tense in German (I do or I am doing – German does not have a separate '-ing' form)

Verbs and the past tense in German Sie (you polite)/sie spielen

participle. Take the present tense of 'haben' or 'sein' + the past

Verbs to do with movement (gehen/fahren etc) take

haben = to have

sein =

to be

go to the cinema

Morgen werden wir ins Kino gehen. *Tomorrow we will*

Use a part of 'werden' + an infinitive

Es wird toll sein = it will be great

going to play tennis.

Use a future time phrase and the present tense Nächste Woche spiele ich Tennis= Next week I am

German and the future tense

ou can talk about the future 2 different ways

mportant

wir haben er/sie/es du hast ich habe wir sind du bist er/sie/es ich bin

Ich habe Tennis gespielt = I (have) played tennis sie haben Sie haben ihr habt sie sind ihr seid Sie sind

Ich bin ins Kino gegangen = I went to the cinema

Sie/sie werden	ihr werdet	wir werden	er/sie/es wird	du wirst	ich werde	werden (will/to be going to)
You polite/They will	You (lot) are going	We will	He /she/it will	You (sing) will	l will	o be going to)

9.10 Leisure and heathy living

3 time frames Infinitives Time phrases

opinions justifications



Ich habe vor, zu + infinitive (I plan to/ I intend to Ich möchte + infinitive (I would like to...)

1.Expressing FUTURE intentions:

2.Using gern/nicht gern/lieber:
These phrases are used with a verb

Ich wohne gern in Newcastle - I like living in Newcastle

Gehst du **gern** ins Kino? - Do you like going to the cinema? Ich spiele **nicht gern** Tischtennis, weil es langweilig ist. - I **don't like** playing football because it is boring Ich lese lieber Bücher = I prefer reading books

Ich kann...nicht leiden - I can't Ich bin dagegen – I am against interested in Ich liebe- I love Ich mag - I like/ich mag...nicht Ich interessiere mich für = I am ...gefällt mir = I like hasse - I hate

3.Opinions

deshalb- therefore/so dennoch/trotzdem - ne obwohl = although weil - because denn – because 4. Justification

5.Comparisons

Add 'er' to the adjective. You can't add the word 'mehr' = more Er ist kleiner = he is smaller es ist billiger = it is cheaper Exceptions are besser (better)/größer(bigger)/älter(older)

Superlative

You add an '-ste' to the adjective, sometimes '-este' to make it easier to say. Fred ist der Klein**ste** = Fred is the small**est.** Ellie ist die Laut**este**

Comparing Things

Joe ist alter als Fred = Joe is older than Fred

Joe ist weniger alt als Fred = Joe is less old than Fred

Joe ist so alt wie Fred = Joe is as old as Fred

old as Fred

neulich - recently nächstes Wochenende- next weekend selten - rarely dann - then

next week

gewöhnlich - usually normalerweise- normally 7.Time phrases

letzten Sommer - last summer letztes Wochenende - last weekend letzten Monat - last month during lockdown

German

9.10 Leisure and heathy living vocabulary list

Die Aktivitäten	activities
gehen/fahren	to go
spielen	to play
essen	to eat
besuchen	to visit
machen	to do
tanzen	to dance
trinken	to drink
fernsehen	to watch TV
hören	to listen
lesen	to read
kaufen	to buy
beenden	to finish
sehen	to see
schreiben	to write
schlafen	to sleep
schwimmen	to swim
treffen	to meet
reisen	to travel
singen	to sing
SMS schicken	to text
kontaktieren	to contact
anrufen	to call/phone
telefonieren	To telephone
kochen	to cook
herunterladen	to download
arbeiten	to work
helfen	to help
nachdenken	to meditate
sich entspannen	to relax
sich ausruhen	to rest

Orte	Places
Zu Hause	At home
bei meinem Freund	At my friend's house
bei meinem Vater	At my dad's
bei meiner Mutter	At my mum's
bei meinen Großeltern	At my grand-parents'
in meinem Schlafzimmer	In my room
im Wohnzimmer	In the living room
im Garten	In the garden
in meiner Gegend	In my neighbourhood
in England	In England
im Ausland	Abroad
in der Stadt	In town
auf dem Land	In the countryside
in den Bergen	In the mountains
an der Küste	By the seaside
Leute	People
mit	With
Meine Freunde	My friends
Mein Bruder	My brother
Meine Schwester	My sister
Meine Eltern	My parents
Meine Familie	My family
allein	Alone
<u>Intensifiers</u>	
sehr-very zu-too	
so- so wirklich - really	

ein bisschen – a bit, überhaupt nicht - not at all

ziemlich - quite

äußerst - extremely

<u>Adjectives</u>
Kind
Pleasant
Нарру
Chatty
Beautiful
Funny
Cute
Pretty
Clean
Perfect
Fast
Rich
clever
Shy
Hard working
Sad
Boring
Annoying
Serious
Easy
Difficult
Strict
Ugly
Noisy
Rude
Horrible/Awfu
Lazy
Sporty
Enriching
Interesting
Old
Relaxing

Healthy living key verbs	
ins Bett gehen	to go to bed
Lust haben	to fancy, to feel like
laufen	to run
Drogen nehmen	to take drugs
sich betrinken	to get drunk
sich gut/krank fühlen	to feel well/ill
auf Diät sein	to be on a diet
Fit sein	to be fit
vermeiden	to avoid
rauchen	to smoke
versuchen	to try to
aufstehen	to get up
in Form bleiben	to keep fit
sich sorgen	to worry
schmecken/probieren	to try, to taste,
sich fühlen	to feel
überwinden	to overcome
Schmerzen haben	to have a pain (in)
müde sein	to be tired



	<u>Key Events</u>	_
1	9 th November 1918 - The leader of Germany, Kaiser Wilhelm, abdicated. A democratic government set up, the Weimar Republic.	
2	11 th November 1918 - Germany signed armistice agreement.	
3	28 th June 1919 – The Treaty of Versailles is signed deciding the terms of peace between the Allies and Germany.	
4	1923 – Germany was struggling to pay the reparations to France. They printed more money leading to hyperinflation . The USA provide a loan to help them recover.	
5	November 1923 – The Munich Putsch – The NSDAP try to take over the Weimar Government, they fail and Hitler is sent to prison.	
6	October 1929 – The Wall Street Crash, the American stock market collapsed and needed their loans back from Germany.	
7	30 th January 1933 – Hitler is named chancellor of Germany.	
8	February 1933 – The Reichstag Fire was blamed a Dutch communist and used as propaganda, support gained for NSDAP.	
9	23 rd March 1933 - The Enabling Act was passed which meant Hitler was able to make laws without consulting the Reichstag.	
10	30 th June 1934 - The Night of the Long Knives - purge of SA leadership who threatened Hitler and other political opponents.	
11	2 nd August 1934 – President Hindenburg died. Hitler combines the role of chancellor and president and becomes Führer (leader).	7
		_



History – Year 9 Knowledge Organiser Term 3



What was life like in Nazi Germany?

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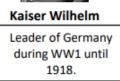
12		
12	Causation	Explaining how events are caused by developments that came before.
13	Consequence	The result or effect of an event.
14	Source Analysis	Nature: What is the type of source? Content: What does it tell us? Origin: Who wrote it? When? Where? Purpose: Why was the source made?

	15	peace armistice	a document which is signed to halt fighting whilst peace negotiations take place.
	16	November criminals	the name given to the men who signed the peace armistice.
	17	abdication	Renouncing (giving up) the throne.
7	18	Treaty of Versailles	A treaty which formally ended WWI.
	19	reparations	Germany was to made to pay £6.6 billion reparations for damage during the war.
$\frac{1}{1}$	20	NSDAP	National Socialist German Workers' Party – Was known as the Nazi Party.
$\frac{1}{1}$	21	Weimar Republic	The democratic government elected after the end of WWI.
	22	chancellor	The head of the German government appointed by the president.
	23	Reichstag	The name of Germany's parliament.
	24	propaganda	Information, can be biased, that promotes a political cause/point of view.
	25	Third Reich	The name of the Nazi regime (government).
	26	Kinder, Küche and Kirche	'Children, Kitchen, Church.' Nazi's asked women to do these instead of work.

Key Terms

Key Groups/People







Adolf Hitler

German politician and leader of the Nazi Party.



Nazi minister for propaganda 1933 - 1945.



President Hindenburg

President of
Germany from 1925

– 1934.



SA

Protectors of Nazi
leaders formed in
1921.



Established 1925 to protect Hitler & then policed Third Reich.



Gestapo
The Nazi's secret police force.

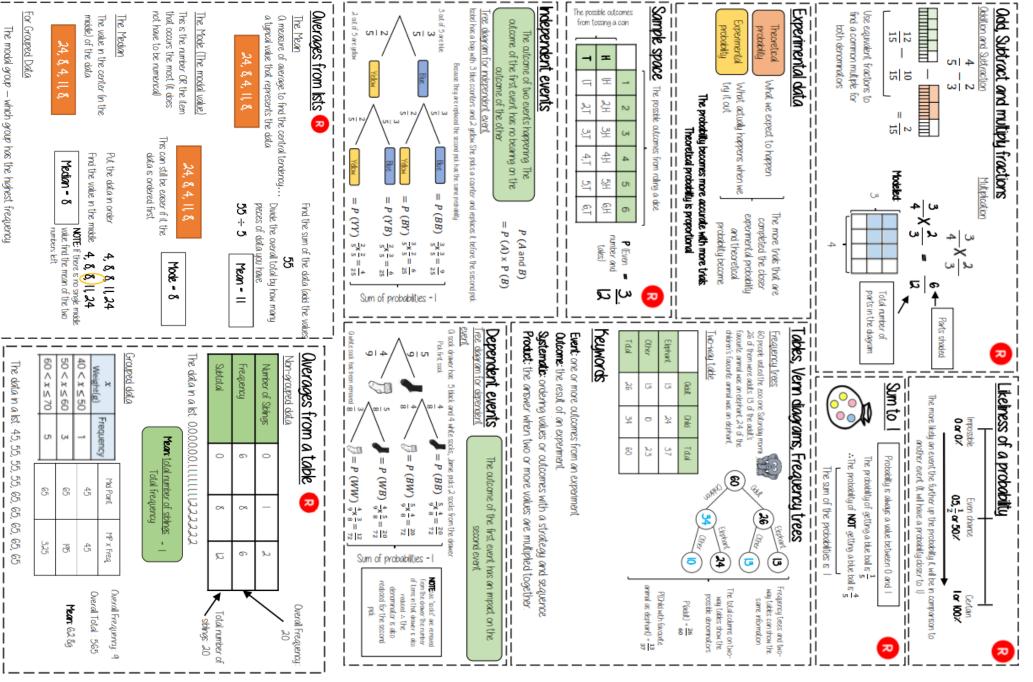


Hitler Youth

The HJ, boys would join the main group from age 14.



The female equivalent of the HJ they would join from age 14.



heywords

Population: the whole group that is being studied Sample: a selection taken from the population that will let you find out information about the larger group Representative: a sample group that accurately represents the population Random sample: a group completely chosen by change. No predictability to who it will include

Bias: a built-in error that makes all values wrong by a certain amount Primary data: data collected from an original source for a purpose. Secondary data: data taken from an external location. Not collected directly Outler: a value that stands apart from the data set.

Seywords

Cardinal directions: the directions of North, South, East, West Ongle: the amount of turn between two lines around their common point Bearing; the angle in degrees measured clockwise from North Perpendeular: where two lines meet at 90°

Clockwise: moving in the direction of the hands on a clock

Parallel: straight lines always the same distance apart and never touch They have the same gradient

heywords

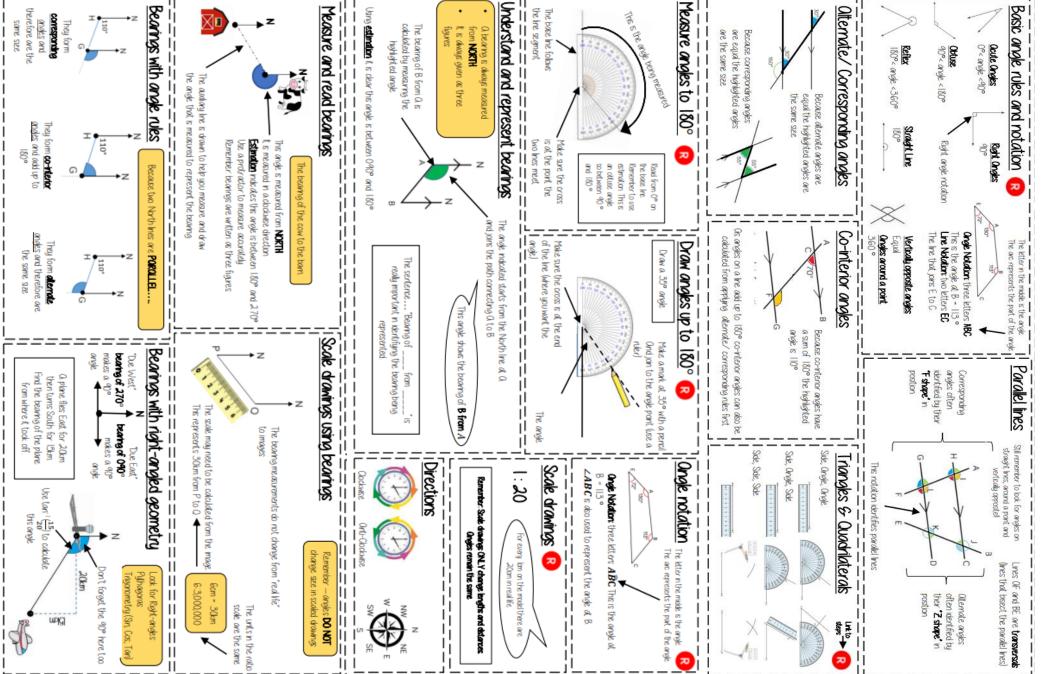
Isosceles: Two equal size lines and equal size angles (in a triangle or trapezium) **Polygon:** 0, 2D shape made with straight lines Parallet Straight hes that never meet

Ongle: The figure formed by two straight hes meeting (measured in degrees)

Transversalt O, line that cuts across two or more other (normally parallet) hies

Sin Oddition (total of all the interior angles added together)

Regular polygon: All the sides have equal length, all the interior angles have equal size



Reggae

Year 9 – Term 3

MET

Key listening

Dawn Penn – No no no

Toots and the Maytals – Monkey Man

Bob Marley and the Wailers – Buffalo Soldier

Marcia Griffiths – Back in the Day

Sister Nancy – Bam bam

Jimmy Cliff – The Harder they Come



'Skank' chords are played on beats 2 & 4

Reggae, style of popular music that **originated** in Jamaica in the late 1960s and quickly emerged as the country's dominant music. By the 1970s it had become an international style that was particularly popular in Britain, the United States, and Africa. It was widely perceived as a voice of the oppressed

Reggae Instruments

Heavy Electric Bass Guitar

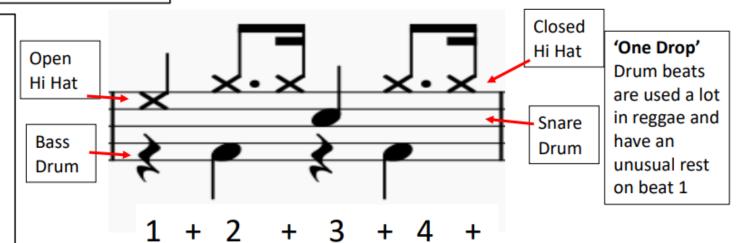
Electric Guitar playing chords and Solos

Keyboards and Pianos playing chords and riffs

Singers with lyrics about politics, love and everyday events

Horns and Brass instruments

African and cuban Percussion



Pg 18



Key Words

Monotheistic: A religion which believes in one God

Holy: Separate and set apart for a special purpose by God

Omnipotent: Almighty – unlimited power Benevolent: all-loving

Justice: what is right and fair
Trinity: God the father, Son and Holy Spirit
Holy Spirit: Gods presence in the world
God the Son: Jesus – enables humans to

have a special relationship with God Creation: God bringing the universe into

The Word: Jesus – as described in the book

of John
Genesis: The first book in the bible which

Genesis: The first book in the bible which has the creation story in it

Incarnation: God in human form – Jesus.
Resurrection: coming back from the dead
Blasphemy: saying or doing something
which goes against God

Crucifixion: Roman method of execution where a person is nailed to a cross

Ascension: 40 days after the resurrection when Jesus returned to God in heaven Afterlife: What happens when you die Day of Judgement: God will judge all souls

at the end of time

Heaven: Eternal happiness, being in the

presence of God Hell: Eternal suffering, absence of God

Purgatory: Catholic belief in which souls are cleansed in order to enter heaven Sin: Any action against God

Original Sin: first sin in the world committed by Adam and Eve which means all humans are born with this in them

Salvation: saving the soul from sin and going to heaven thanks to Jesus' sacrifice Grace: A quality of God which shows to humans that God loves them which they don't need to earn

Forgiveness: pardoning someone for their wrong doing

Atonement: restoring the relationship between people and God through the life, death and resurrection of Jesus

Mass: Ceremony, also called Eucharist, in which the death and resurrection of Jesus is celebrated using bread and wine



God as omnipotent, loving and just

Christians believe **God is all-powerful**. He has unlimited power and can do anything. "Nothing is impossible with God"

God is all-loving he loves humans so wants what is best for them. Guidelines are given for us to live the best lives we can. Christians should love each other treating everyone with care and respect. "God so loved the world he gave his one and only Son..." God has unlimited power and authority with complete love and therefore gives justice is a fair way. Christians should try and bring about fairness in the world.

Different Christian beliefs about Creation

Creation in Genesis 1:1-3 - God created the world in 6 days and rested on day 7. "In the beginning God created the heavens and the earth" God created the perfect world in the beginning. "it was good"

Creation in John 1:1-3 — "In the beginning was the word....through him all things were made...". The word refers to Jesus and therefore he was present at the beginning of the world and involved in the creation of the world. This also shows the importance of the trinity being involved in the world.

The Incarnation of Jesus - The Son of God

The Christmas story is the account of Jesus' birth. Some belief that this story shows Jesus had an ordinary birth as someone who was fully human. however was fully God as it says in the bible he was born through the immaculate conception. "before they came together, she was found to be pregnant through the Holy Spirit". This is proof to Christians that Jesus was incarnate. Through the incamation God showed himself as a human. "The word became flesh and made his dwelling among us". God in human form makes it easier for some to understand his actions, including miracles and resurrection. Jesus is known as the Messiah or special leader. When Jesus was baptised God said, "You are my son". Jesus was asked whether he was the Son of God, he --replied--"-----

The Oneness of God and the Trinity

Christians believe that the Trinity is made up of God the father, the son and the holy spirit. They believe God is three in one. There are not three Gods, but different forms of the same thing:

The inconsistent Triad

Some people believe that you cannot have an all-loving God, who is all-powerful who allows evil and suffering to exist. Christians believe that God is transcendent (beyond our understanding) and therefore they can trust God when things in the world are not right.

The Crucifixion

It is believed that Jesus was arrested, tortured and then put to death by Pontius Pilate through crucifixion. As Jesus was fully human he suffered pain as an ordinary human did. "Father, into your hands I command my spirit" Jesus forgave the guards who crucified him and one of the criminals who was crucified next to him, "You will be in paradise with me this day". One of the Roman centurions said, "Surely this is the Son of God".

The crucifixion influences Christians today by accepting Jesus sacrifice they can be forgiven for sin and go to heaven. They can acknowledge that suffering is a part of life-and God can understand what it is like for someone to suffer

Heaven and Hell

Based on judgement Christians believe that people will go to heaven or hell depending on how they behave and whether they have a belief in Jesus. Heaven is seen as being with God and eternal happiness where there is no suffering. Hell is seen as eternal torment or suffering and being absent from God and where the Devil is. Some Christians believe that Heaven is a literal, real place you will go. Other Christians believe it is just being with God, in the same way hell may not be actually real but an absence of God.

In the book of revelation it mentions people who go to hell will burn in a lake of fire.

Catholics believe in a place called purgatory in which your soul goes to be cleansed as no-one is ready yet to go to heaven as as humans we are all imperfect.

The Resurrection and ascension

Jesus was buried in a tomb and left there until Easter Sunday because it was the Sabbath no-one could touch the body until after this. When Mary Magdalene returned to the tomb it was open and empty. An angel appeared and said Jesus had risen from the dead. The resurrection is one of the most important parts of Christianity as it proves Jesus was divine and not just a human. For the next few days and weeks Jesus appeared to several people including his disciples to tell them to spread the news that he had risen and that they should continue his message. The ascension happened 40 days after the resurrection when Jesus went up to heaven. "He left them and was taken up into heaven." He told his disciples to carry on his teachings, "Go and make disciples of many nations, baptising them in the name of the father, Son and Holy Spirit". The significance for Christians today is it shows the power of good over evil and that they can be resurrected and therefore shouldn't fear death. God will forgive sins and they can become closer to God. The holy spirit will be there to guide and comfort. The resurrection gives the point to the Christian faith.

The afterlife and judgement

Christians believe there is another life. Christians believe that they have eternal life but what happens to them depends on their belief in God. Judgement will happen at death or at the day of judgement. The Apostles creed says, "...he will come to judge the living and the dead..." The parable of the sheep and Goats shows how people will be judged by God. The sheep are the good and the goats the bad, going to heaven and hell. Jesus also said, "I am the way the truth and the life, no-one comes to the Father expect through me." Treating others well and believing in God is important to guarantee a good afterlife.

Sin and Salvation

Sin separates humans from God, this can be anything that goes against God or his laws. As humans are not perfect it is impossible not to sin. Christians believe that all are born with sin in them known as Original sin. This is due to Adam an Eve disobeying God and eating the fruit from the tree of knowledge. This action separated humans from God and brought about death into the world. They were tempted by the serpent (devil) and Christians believe that Christians are tempted in life to do bad things. Christians have freewill however they should use this to make the right choices using God and Jesus' teachings to guide them, e.g. The Ten Commandments. Salvation means to be saved from Sin and its consequences, e.g. going to hell. Sin separates us from God and salvation saves us from this: This salvation comes through faith in God and Grace through faith in—Jesus.

The role of Christ in Salvation

Salvation is offered through Jesus, "For the wages of sin is death, but the gift of God is eternal life in Christ Jesus". Jesus' death makes up for original sin. Humans can receive forgiveness for their sins because of Jesus' death and then receive eternal life. His sacrifice provides atonement, which means our relationship with God is restored. This removes the effects of sin and allows humans to get back to God. "He is the atoning sacrifice for our sins and for the sins of the whole world". Jesus paid the price for the sin of all mankind through his death and Christians believe if you put your trust in him you can receive eternal life with God. Salvation is a gift you must choose through belief in Jesus and following his teachings:

Oxidisation (Pg 114)

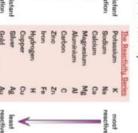
- ing oxygen
- Oxidisation is the addition of oxygen, reduction is the loss of oxygen.

 E. F. P. + 300 + 250 + 250,
- tide is cyclosed to icos (se oxygen is removed).

 moreoide is oxideed to cyclosy doxide (se oxygen

Reactivity (Pg 114) Shows how easily metals are

- A reactivity series shows metals in order of reactivity.



- Also a measurement of saying how easily a metal atom gives up electrons to become an ion.

 More reactive = gives up electrons more easily. ing how

Oxidisation & reduction (Pg 116)

Oxidisation is also the loss of

Reduction is the gain of electrons Reduction Is Gain Oxidation Is When dealing with electrons: Loss,

Metal reactions (Pg 115)

to acids and water in different reactivity react



Displa

- metals. placement reactions (Pg 116)
 Metals differently with metals salts,
 depending on the reactivity of the
- The more reactive element takes the place of the less reactive element.

 The more reactive metal loses electrons (is oxidised) while the more reactive metals gains electrons (is
- mber OILRIG.



Calcium is more reactive than zinc, and takes it's place in the metals salt to become calcium sulfate leaving pure zinc on it's own.

Ore (Pg 117)

- A rock containing enough metal in in to make it economically worthwhile to extract the metal.

Metal extraction (Pg 117)

- removed from the Earth's crust in pure form.

 More reactive metals form metals compounds, e.g. bauxite (aluminium ctive metals, e.g. gold, /ed from the Earth's crust in
- oxide) the sou rce of alum
- The method for extracting metals from ores depends on the reactivity of the metal.

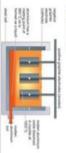


Method 1: Reduction with carbon (Pg 117) The ore is reduced, the carbon replacing the less reactive metal:

leaving pure metals behind. Iron oxide (haematite) is the sou of pure iron.

iron axids +	2Fe ₂ O ₃ +	or bare non
carbon	30	Cit.
1	1	
iron	4Fe	
+	+	
carbon dioxi	3002	

electrode



EDEXCEL 9-1 Combined Science | Chemistry Topic 4 - Extracting Metals and Equilibria | Required Knowledge CGP F & H tier: pages 114 - 117 Method 3: Biological methods

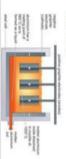
(Pg 118) Bioleaching uses bacteria

- grown on copper ore which produce a solution containing the metals ions. The copper is extracted by ore which
- purified by electrolysis reduction with iron and
- Phytoextraction uses plants that grow and absorb the metal compounds. When burned they form an ash which the metal can be extracted

Personal	bet between by	Supressi	plantide
Metalita	Fatt applies to applies to a partial fatters to a partial fatters and a partial fatter and a partial fatters and a partial fatter and a partial fatters and a p	Story of Hybridge Sergenteen	can without replays from consummentable with
Chartestage	mit tim	Of membranes and payon and de- peration and de- peration and de- peration and de- man and de- man and de- man and de- de- man and de- de- man and de- de- man and de- de- man and de- de- de- de- de- de- de- de- de- de-	re population transformat year near floors and extrates one

carbon	1	iron	+	carbon dioxida
CHEDOL	-	eron		CHEDOS GIOGIGA
	carbon	carbon -	carbon → Iron	1

Method 2: Electrolysis (Pg 118) The ore is melted and an electrical current passed through it. The pure metal forms on the negative



Recycling (Pg 119) Reusing materials already extracted from the Earth is

environmental benefits

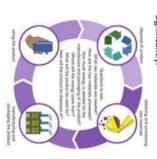
cheaper and has

- Recycling aluminium cans is 95% more energy efficient per tonne over extracting it from ore. Prevents environmental damage from further
- mining
 Prevents landfill of cans

CGP F & H tier: pages

EDEXCEL 9-1 Combined Science | Chemistry Topic 4 – Extracting Metals and Equilibria | Required Knowledge Life cycle assessments

- New planned products are assessed
- using and LCA.
 Each aspect is considered to see if it impacts the environment too significantly



choice to manufactured. Example: Car B is the most logical choice to manufacture based on the

ŧ	(tonned)	produced (kg)	used (m²)	2 .
>	17	10.720	8.2	
001	75	5900	60	
ń:	*	15 010	9.5	

- Least solid waste and water used. Second best for CO2 emissions Longest lifespan

Reactions where products can react to form the original reactants. Reactions go both ways!

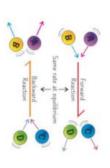
D

- 8 C
- Note the arrow points in both directions, showing this is a reversible reaction.

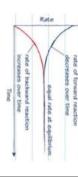
Dynamic Equilibrium

- reactions reach dynamic In a closed system, reversible
- backwards reaction equilibrium.

 This means the rate of the forward reaction is equal to the rate of the



The dynamic bit means that these reactions do NOT stop, products are formed from reactants and reactants react to form products...it just means the concentrations of the reactants and products does not change.



Factors effecting the equilibrium

- Different factors can be used to shift the position of the equilibrium point...either to produce more product or more reactants.

 The factors are temperature, pressure (for reactions involving gasses) and concentration (of the reactants and products).

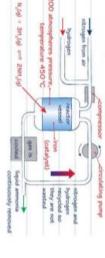
- The Haber process

 Reaction between hydrogen and nitrogen to form amr

 You need to remember the conditions for the process.

 Pressure of 200 atmospheres

 Temp of 450 °C

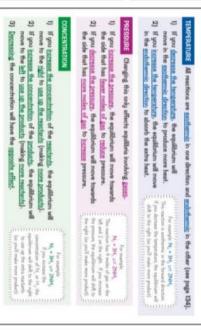


Le Chatelier's Principle

- The principle states, any change to either temp, pressure or concentration in a reversible reaction and the equilibrium position w move to counteract that change.

 This means we can adjust these factors to get more product or more reactant, if that's what is needed.

 Details of how each change effects the reaction can be found below, using the Haber process as an example. position will



Chemistry

Source of hydrogen ions (H*) when in

- bee
- solution.

 pH 1 pH 6 (neutral = pH 7)

 Strong acids are corrosive and can harmful to humans.

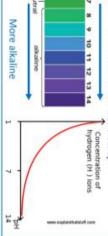
 Examples: Vinegar; citrus fruits; t be

8-pH 14. of hydro

- Alkalis are sources of (OH-) when in solution.
 Bases are any substar
- Bases are any substances that with acids to form salt and water of All alkalis are soluble bases.

 Examples: Wasp stings; b
- Examples: Wasp stings; indigestion tablets; toothpaste





Neutralisation (p): Chemical reaction between acid (pH1-6) and alkali (pH8-14) produces a salt and water (neutral at pH7).

More acidic

- Neutralisation happens because of reactions due to ionic charges of atoms. Acids and alkalis dissociate (split) into ions (charged atoms) in solution. Hydrochloric acid: $HCl \rightarrow H^+ + Cl^-$ Sodium hydroxide (alkali): $NaOH \rightarrow Na^+ + OH^-$ The hydrogen and hydroxide ions react to form water: $H^+ + OH^- \rightarrow H_2O$ The sodium and chlorine atoms react to form sodium chloride (salt): Na^+

- pop. Strength of reaction depends on metal's place in reactivity tals (p): Acid + metal → salt + hydrogen e: Effervescence, or the production of Testing with a lit splint should produce 9
- Magnesium + sulfuric acid \rightarrow magnesium sulfate + hydrogen $Mg(s) + H_2SO_4(aq) \rightarrow MgSO_4(aq) + H_2(g)$

Acids & carbona carbon dioxide

- Evidence: Bubbling the carbon dioxide through limewater will turn the limewater cloudy. E.g.: Copper carbonate + sulfuric acid \rightarrow copper sulfate + water + carbon dioxide water + carbon dioxide $CuCO_3(s) + H_2SO_4(aq) \rightarrow CuSO_4(aq) + H_2O(l) + CO_2(g)$

To create exactly the When a neutralisation reaction produces a soluble salt, it can be extracted by crystallization (evaporating the solvent). To create a neutral product (pH7). right amount

Acids are sources of ions when in solution. The concentration of this determined by the a acid dissolved in a vice of the concentration of the concentration

of the solution

e amount of volume of

of hydrogen

- pH7 is reached.

Concentrated acid: Large amount of acid per litre of solvent.

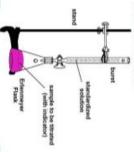
Dilute acid: Small amount of acid per litre of solvent.

2M).

ired in moles

(e.e.

1M



EDEXCEL 9-1 Combined Science

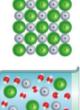
| Chemistry Topic 3 -

- Some salts produced by an acid-alkali reaction are not soluble they do not dissolve in any solvents.
 These are called precipitation reactions, as they cause precipitate to form.
 Precipitate is insoluble particles of solid
- which form in the solvent. Preparation of insoluble salts:

- the precipitate;
 Rinse the beaker with distilled water and pass this through the filter to retain any remaining precipitate.
 - State symbol (s) indicates reaction of limewater with ca a precipitate
- Calcium hydroxide (limewater) + carbon dioxide \neg calcium carbonate + water $Ca(OH)_2(aq) + CO_2(g) \rightarrow CaCO_3(s) + H_2O(l)$

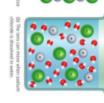
Atoms which have lost or gained electrons. Charged (positive or negative). Ionic solids dissolve into free ions in water. Any liquid with free ions in solution is called

an **electrolyte**. Electrolytes car



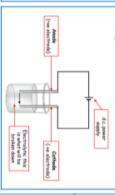






& electrolytes (p)

- rating out
- Negative ions collect at the anode positive electricity to add text Positive ions collect at the cathode



- Reactions at electrodes (p):

 OIL RIG: Oxidation Is Loss, Reduction Is Gain.

 At the anode, negative ions lose electrons (oxidati

- Zinc chloride electrolyte Cathode reaction: Zn²* + 2e⁻ → Zn Anode reaction: 2Cl⁻ → Cl₂ + 2e⁻

Sulfuric Acid → Sulfate

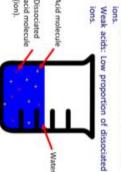
Hydrochloric Acid Chloride Acid Salt formed

g salts (p):

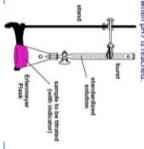
EDEXCEL 9-1 Combined Science | Chemistry Topic 3 – Chemical Changes | Required Knowledge | CGP F & H tier: pages 104 - 108

ws the stree igth of an acid

- The strength of an acid is determined by the proportion of ions which dissociate (split) in solution, e.g. $HCl \rightarrow H^+ + Cl^-$. Strong acids: High proportion of dissociated



- **Titration** measures exact acid added to an alkali.



Chemical Changes | Required Knowledge CGP F & H tier: pages 109 -112

All salts are ionic lonic equations s ons sho only the which ch

cally bonded

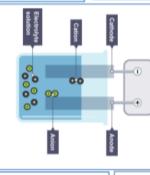
- For exar
- For example:
 Lead nitrate + sodium chloride \rightarrow lead chloride + sod Full equation: $Pb(NO_3)_2(aq) + 2NaCl(aq) \rightarrow PbCl_2(s) + lonic equation: <math>Pb^{2+}(aq) + 2Cl^- \rightarrow PbCl_2(s)$ All ions which do not change are called **spectator ions**. $-2NaNO_3(aq)$

ides (p):

E.g.: Copper (II) ox /drochloric acid \rightarrow copper + $2HCl \rightarrow CuCl_2 + H_2O$

n hydroxide + 100.00 $Ca(OH)_2 + 2HNO_3 -$ Ca(NO_3)₂ + $2H_2O$

Negative ion	Element given off at anode
Chloride, Cl ⁻	Chlorine, Cl ₂
Bromide, Br	Bromine, Br ₂
lodide, I'	lodine, I ₂
Culfata CO 2	



H₂0 Ţ + 웃

- State symbols (p):

 In chemical equations, si symbols can be incluated after every chemical to state (solid, liquid, gasthe chemical.

 (s) = solid

 (l) = liquid

 (g) = gas

 (aq) = in solution / dissolve

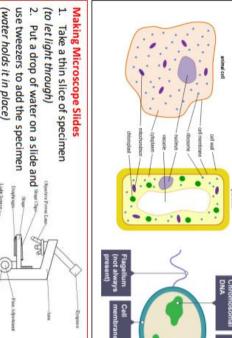
EDEXCEL 9-1 Combined Science | Biology Topic 1 -

Key Concepts | Required Knowledge

Cell Structure

Animal cell

Plant cell



-Bacterial cell Magnification - Equation Specialised cells Sperm Ciliated cell CPG F & H tier: pages 11-14. Egg cell

(water holds it in place)

Magnification =

image size

1

actual size

Unit conversion

- Add a drop of stain
- (makes it easier to see)
- firmly Use a mounted needed to lower a cover slip and press down

are no bubbles)

- Put the slide on the stage and secure using the clips
- Choose the lowest powered objective lens Use the coarse focusing knob to move the while looking through the eyepiece the stage up and down

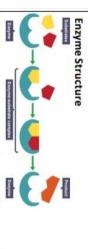
(to focus the image)

- Adjust the focus using the fine adjustment knob
- field of view Put a clear ruler on the state to measure the diameter of your

(this will allow you to estimate the size of the specimen)
10. Repeat focusing with higher-powered objective lens if needed

Light vs. Electron Microscopes ines up to 2000s Specimens are a a plastic materi Magnifies over 500 000× ust be fixed in

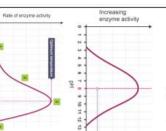
EDEXCEL 9-1 Combined Science | Biology Topic Key Concepts | Required Knowledge CPG F & H tier:



apart or joined together. Enzymes only work with substrate, they have a high specificity due to the shape of the active site. The substrate's shape has to match the active site's shape exactly. This is called the 'lockand key' Enzymes speed up chemical reactions where thi apart or joined together. Enzymes only work wit

Factors affecting enzymes

As the enzyme experiences



substrate) will move more quickly, there will be more collisions and more reactions.

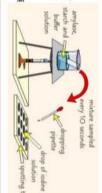
After the optimum the heat causes the shape of the active site to change in the same As the enzyme experiences warmer conditions it (and the active site begins to change meaning the substrate can't fit as well and less reactions conditions away from the optimum the shape of the

the more collisions there will be with available enzymes and more reactions, up until a certain (saturation point), where all of the enzymes are already working at their As more substrate is added

Ethanol production

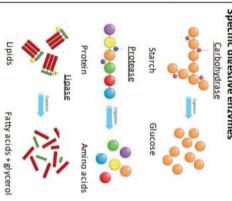
Investigating Enzymes

starch into maltose (sugar). The enzyme is added to buffer solutions of different pHs. The time it takes for the enzyme to work is calculated by continuously sampling the mixture and adding it to iodine. Only when all of the starch has been broken down will the iodine stop changing colour. Calculation needed: Rate = 1 ÷ time taken. The enzyme amylase catalyses the break do m will the iodine stop changing



pages 15-17

Specific digestive enzymes



reverse = synthesis All of these digestive processes can happen in

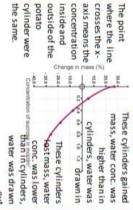
Investigating Osmosis

- Prepare sucrose solutions of 5 concentrations
 Measure the mass of potato cylinders
 Put one cylinder into a test tube of each

- Leave for 40 mins
- Pat dry and reweigh

final

Percentage itial mass



Transport

Movement of particles concentration to low concentration carbon dioxide from high Diffusion

Movement of water particles across a partially permeable membrane

Osmosis

from high water concentration to low water concentration e.g. water into plant roots

concentration, using energy nsferred during respiration on nitrates into plant roots Active Transport ovement of particles across a membrane from high concentration to lower

9.10 Leisure and heathy living vocabulary list

bastante - quite

Un poco – a bit

Las actividades	activities
ir	to go
jugar	to play
comer	to eat
visitar	to visit
hacer	to do
bailar	to dance
beber	to drink
ver	to watch
escuchar	to listen
leer	to read
comprar	to buy
terminar	to finish
mirar	to see
escribir	to write
dormir	to sleep
nadar	to swim
quedar	to meet
viajar	to travel
cantar	to sing
Mandar SMS	to text
contactar	to contact
Llamar	to call
cocinar	to cook
descargar	to download
trabajar	to work
ayudar	to help
mediar	to meditate
relajar	to relax
descansar	to rest

ig vocabulary list	
Sitios	Places
En casa	At home
En la casa de mi amigo	At my friend's house
En la casa de mi padre	At my dad's
En la casa de mi madre	At my mum's
En la casa de mis abuelos	At my grand-parents'
En mi dormitorio	In my room
En el salón	In the living room
En el jardín	In the garden
En mi barrio	In my neighbourhood
En Inglaterra	In England
En el extranjero	Abroad
En el pueblo	In town
En el campo	In the countryside
En las montañas	In the mountains
En la costa	By the seaside
La gente	People
Con	With
Mis amigos	My friends
Mi hermano	My brother
Mi hermana	My sister
Mis padres	My parents
Mi familia	My family
Solo/a	Alone
<u>Intensifiers</u>	
muy – very	demasiado – too
tan– so	realmente – really

extremamente - extremely

nada - not at all

Adjetivos	Adjectives
Amable	Kind
Agradable	Pleasant
Contento/a	Нарру
Hablador/a	Chatty
Bonito/a	Beautiful
Divertido/a	Fun
Mono/a	Cute
Guapo/a	Pretty
Limpio/a	Clean
Perfecto/a	Perfect
Rapido/a	Fast
Rico/a	Rich
Sabio/a	Wise
Timido/a	Shy
Trabajador/a	Hard working
Triste	Sad
Aburrido/a	Boring
Molesto/a	Annoying
Serio/a	Serious
Fácil	Easy
Difficil	Difficult
Estricto/a	Strict
Feo/a	Ugly
Ruidoso/a	Noisy
Maleducado/a	Rude
Horrible	Horrible/Awful
Vago/a	Lazy
Glotón	Greedy
Deportivo/a	Sporty
Enriquzedor/a	Enriching
Interesante	Interesting
Viejo/a	Old
Relajante	Relaxing

Healthy living key verbs	
acostarse	to go to bed
apetecer	to fancy, to feel like
conseguir (un trabajo)	to get (a job)
correr	to run
drogarse	to take drugs
emborracharse	to get drunk
encontrarse bien/mal	to feel well/ill
estar a dieta	to be on a diet
estar en forma	to be fit
evitar	to avoid
fumar	to smoke
intentar (+ infinitive)	to try to
levantarse	to get up
mantenerse en forma	to keep fit
preocupar	to worry
probar	to try, to taste,
sentirse	to feel
superar	to overcome
tener dolor (de)	to have a pain (in)
tener sueño	to feel sleepy



9.10 Leisure and heathy living

Infinitives
Time phrases 3 time frames

justifications opinions describing and comparing



Verbs and the present tense in Spanish

The infinitive

The infinitive ends in -ar, -er or When you look up a verb in the dictionary, you find its original, unchanged form which is called the *infinitive* (comer, beber, jugar, visitar, vivir, ir etc.).

Forming the present tense in Spanish

Take off the last 2 letters of the infinitive (-ar, -er or -ir) and add the

pattern — ir (as shown here), ser, tener and hacer are really important! following endings depending on the pronoun:
*Important! There are some key irregulars to learn which don't follow this

	AR verb	ER verb	IR verb
yo (I)	-0	0	٥-
tu (you)	-as	-es	-es
él/ella (he/she)	-a	-e	-е
nosotros/as (we)	-amos	-emos	-imos
vosotros/as (you all)	-áis	-éis	- ís
ellos/ellas (they)	-an	еn	-en

Verbs and the near future tense in Spanish

tense. You can talk about the future by using the near future

you are **going** to do Use part of the verb IR + a + the infinitive to say what

Este tarde voy a jugar al tenis. This evening I am going

going to make a cake. to play tennis. Mañana Paul **va a hacer** un pastel. *Tomorrow Paul is*

Van	vais	vamos	va	vas	voy	IR (to go)
They are going	You (lot) are going	We are going	He /she/one is going	You are going	I am going	go)

Verbs and the past tense in Spanish

the below endings: The **preterite** is the past tense used in Spanish to describe a completed action at a specific time in the past (e.g. ayer (yesterday), el año pasado (last year)). For regular we take off -ar, -er - ir and add

They	You (pl)	We	He/she/it	You (sg)	I	
aron	asteis	amos	ó	aste	é	-AR
ieron	isteis	imos	ió	iste	ì	-ER / -IR

Examples:

Tomar = to take To form " I took"

MOT V

tom

٧

tomé

Hablar = to speak To form "she spoke" HABLX> habl > habló

9.10 Leisure and heathy living

3 time frames Infinitives

Time phrases

opinions justifications



2.Using infinitives after me gusta/no me gusta/odiar/preferir:

Tengo la intención de + infinitive (I plan to/ I intend to Me gustaría + infinitive (I would like to...)

1.Expressing FUTURE intentions:

ending with -ing) in English: You can also use an infinitive after opinion verbs such as aimer, odiar and preferir. They are usually translated with a **gerund** (a verb

Me gusta vivir à Newcastle - I like living in Newcastle.

Prefieres <u>jugar</u> al fútbol o al tenis? - Do you prefer playing football or tennis? Odio *beber* café porque es asqueroso – She hates drinking coffee because it's disgusting

Me gusta(n) -1 like Me gusta(n) mucho -1 like a lot No me gusta(n) mucho -1 don't like Odio - I hate Prefiero – I prefer

3.Opinions

Por consiguiente-consequently Porque - because
Por lo tanto – therefore/so 4.Justification

6.Superlative El/la más – the most El/la major – the best El/la peor – the worse Más....que –more.. Menos...que - less EI/la menos – the least Tan...como – as...as 5.Comparisons ..than

7.Time phrases

No suporto

I can't stand

Normalmente - normally Usualmente - usually

Generalmente - generally

De vez en cuando/a veces sometimes

Luego – next

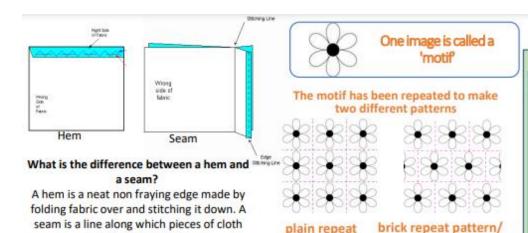
Raramente - rarely
El fin de semana que viene— next weekend

La semana que viene- next week El verano pasado- last summer El mes pasado -

Durante la cuarentena- during lockdown

El fin de semana pasado - last weekend

last month



are joined by sewing.

are joined by sewing.	pattern offset repeat pattern
Equipment	Use
Bobbin	A bobbin is a cylinder, to which cotton thread is wrapped around. It is found in the bottom part of a sewing machine.
Overlocker machine	An overlocker does not replace a sewing machine. Its primary function is to clean finish a raw edge, giving the project a professional appearance
Quick unpick	It is used to quickly remove stitches and seams.
Tailor's chalk	Used to mark on to fabric. It is easily washed off.
Measuring Tape	It is a flexible ruler that can be used for body measurements, tailoring and dressmaking. It is flexible to measure fabric and curves of the body.

Year 9 Textiles Knowledge Organiser

About Designers

Orla Kiely

Orla Kiely is known for her print designs inspired by her early childhood – the colours of the countryside and her home.

Kiely's design work lends itself to CAD for its repetitive style. Her original work was hand painted using gouache paint. 'Stem' is her most iconic print which consists of simple graphic strength – clean, measured and bold.

Kiely believes her work is never finished and can be reworked several times until she is satisfied with the end result.



Laura Ashley

Print has been at the forefront of the Laura Ashley brand since it was first established when Laura Ashley started printing her own designs for head scarves.

She went on to design dresses for social wear at the end of the 1960s. Her popular long Victorian-inspired dresses became known as the 'Eaura Ashley look'.

The business expanded into coordinated ranges of furnishing fabrics using natural materials such as cotton and recycled paper for wallpaper.



Tier 3 'Academic' keywords.	Plain seam analyse sustainable embellishment Woven/ bonded/ knitted Free machine function embroidery develop
Tier 2 Valuable keywords used in most lessons every lesson.	Complementary colours contrast environment fastening compare embroidery equipment iron context appliqué effect improve
Tier 1 Basic keywords used in almost every lesson.	colour design shape machine pattern line tone thread Fabric sew

Textiles Hierarchy of Key words

Questions and activities – hints and tips

Summarising a lesson:

Answer the following questions to help you summarise your learning in a lesson. This will help you recap and think again about your learning, and will be useful to look back on in the future.

- What key words did you use in the lesson?
- Can you define those key words and use them in a sentence?
- What new content did you cover?
- How does this link to your previous learning?
- Can you summarise your learning into one sentence?

Revision:

If you have an MCQ approaching, you could create some revision material based on your knowledge organiser.

Can you get down the key information in a spider diagram?

Can you use diagrams, pictures, symbols etc to recall your knowledge?

Knowledge quizzes:

Create a set of questions using the information from your knowledge organiser, or from your lesson.

You could make them about key words, and maybe even give multiple choice answers.

Go over the questions you keep getting wrong.

Try the questions out with those at home, or maybe your teacher could use them for their starter quiz in class.

Keyword Development:

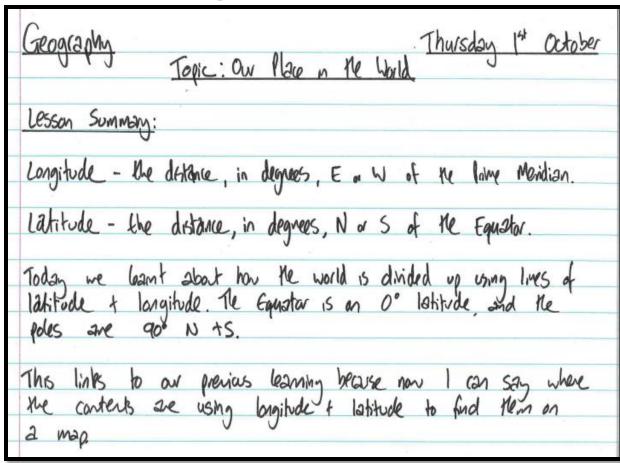
Practise the spellings of key words. Use the look-cover-write-check method to help you.

Can you explain what the key words mean?

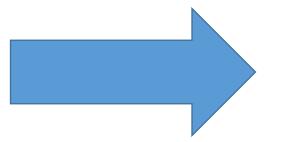
Can you link the key words together?

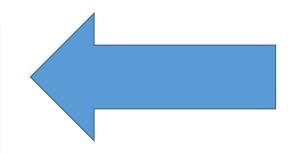
Copy out the key words with their definitions.

What might it look like?



Knowledge Quiz:

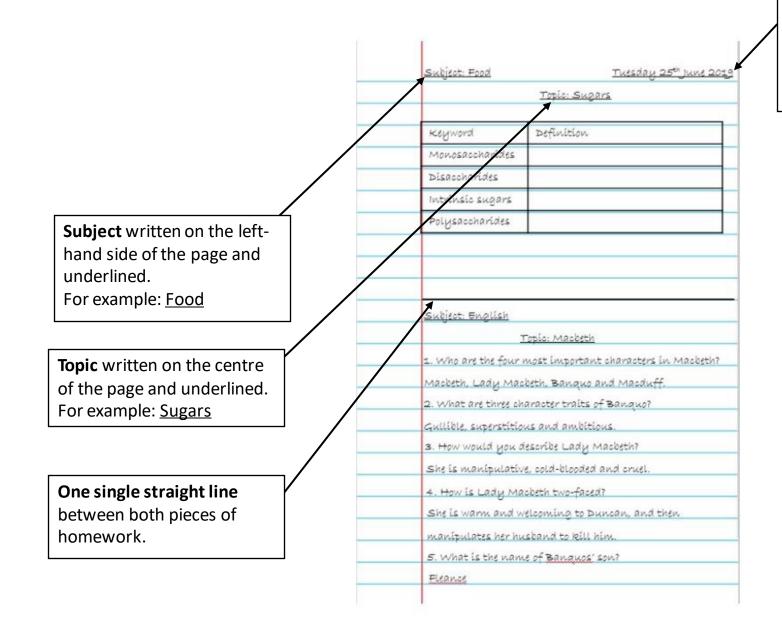




Lesson summary:

	Science Topic: Cells Monday 28th September
	Enalledge Olizi
1.)	what is the name of the part of the microscope when the specimen is pleased? A = Stage
2.)	How many cells are there in a "unicellular" organism? A= one
3.)	what does the 'cell membrane' do?. A = controls movement of substances in t out of the cell
4.)	where does photosynthesis take place in a cell? A = Chloroplast What is the function of the red blood cells?
<i>'</i> ,	A= to com oxygen

How to present your homework:



Date written fully on the right hand side of the page and underlined — this should be the day you complete the homework.

Notes