



Form:

Name:



'Knowledge is the food of the soul' - Plato

Year 9 Knowledge Organiser

Autumn





Every school day you should study 2 subjects from your KO (knowledge organiser), making sure to cover all the subjects you study.

You are to use your KO exercise book to show the work you have done. Each evening you should start a new page and put the date clearly at the top. You need to bring your KO and exercise book with you EVERY DAY to the academy.

You will also be tested in your lessons on knowledge from the KO. You can use your KO and book in a number of different ways but you should not just copy from the Knowledge Organiser into your book. Use the **'How to self-test with the Knowledge Organiser'** booklet available on the school website which you can access using the QR code to the right. An instructional video on how to use your Knowledge Organiser is also available on the school website.



There are some more ideas and strategies listed below:

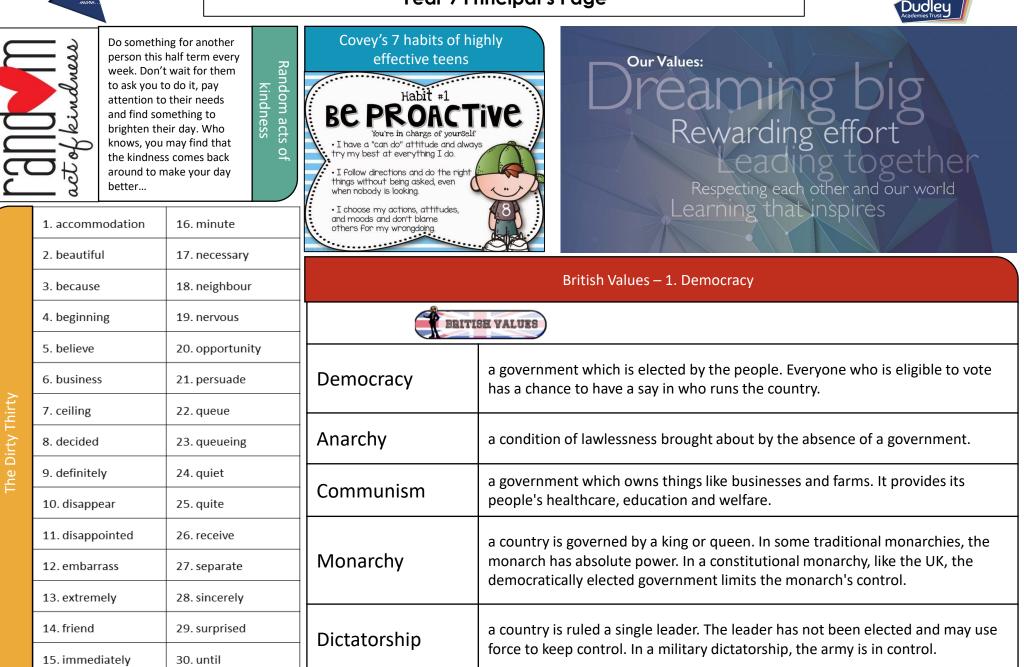
- •Ask someone to write questions for you
- Write your own challenging questions and then leave it overnight to answer them the next day
- Create mind maps
- Create flashcards
- Put the key words into new sentences
- Look, cover, write and check
- Mnemonics
- Draw a comic strip of a timeline
- Use the 'clock' template to divide the information into smaller sections. Then test yourself on different sections
- Give yourself spelling tests
- Definition tests
- Draw diagrams of processes
- Draw images and annotate/label them with extra information
- Do further research on the topic
- Create fact files
- Create flowcharts

Presentation

You should take pride in how you present your work, each page should be clearly dated at the top left hand side with Subject 1 written in the middle. Half way down the page a line should divide it in two with Subject 2 written above the dividing line. Each half of the page should be neatly filled with evidence of self-testing. There should be an appropriate amount of work. Remember the **PROUD** system should still be followed in your exercise book.



Year 9 Principal's Page





Year 9 Literacy – Word of the Week



Shade in the words when you have completed the tasks for that Word of the Week!

Social	Devastation
Capitalism	Infiltration
Industrial	Sustainability
Civilisation	Resources
Revolution	Migration
Environment	Conservative
Casualties	Adaption
International ord	Confidant

1. What is the definition of the word for this week? Can you write it in your own words? (This will help you remember and understand it)

2. Can you use that word in a sentence? Make sure it makes sense.

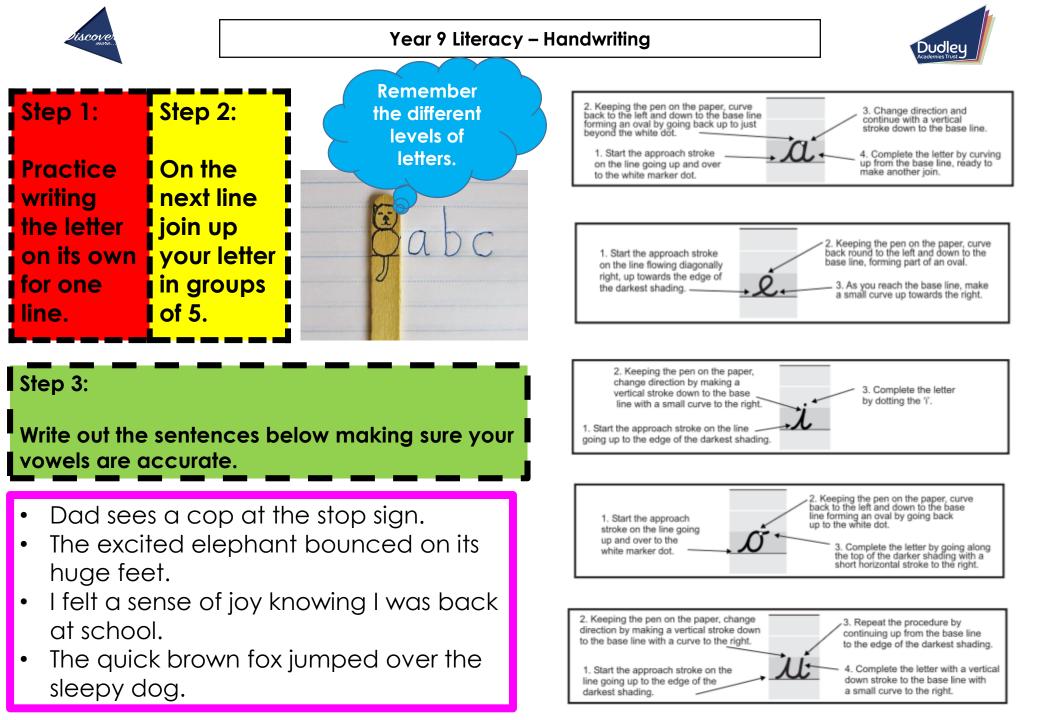
3. Can you list some synonyms for this word? (Meaning the same)

4. Can you list some antonyms for this word? (Meaning the opposite)

5. Draw out the word making it look like its meaning (examples below).



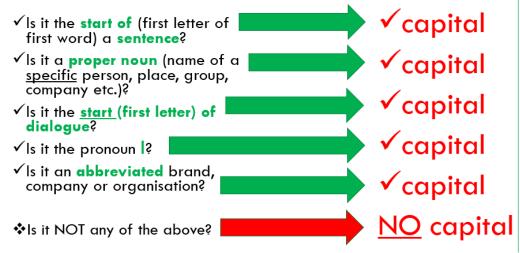








When should you use a capital letter?



the cat waited on the wall in goole a man walked past and his name was bob he stroked the cat then left a dog saw the cat and licked its lips he chased the cat down the street luckily the cat got away 1. Copy out the passage correcting all the capital letter mistakes. Circle the mistakes you have corrected.

2. Write a short diary entry about something you did over the summer. Make sure your capital letters are correct. Circle the capital letters you have used.

3. Using the capital letter rules opposite, create a page to revise the rules. Use colours! This will help you remember them.

4. Play the Wordspector game!



5. Play the Grammar Ninja game!



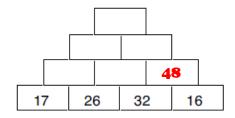


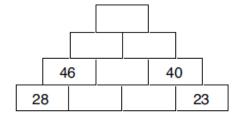


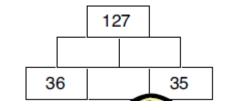
	1	2			5				9	10
1	1	2	3	4	5	6	7	8	9	10
	2	4	6	8	10	12	14	16	18	20
	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
	6	12	18	24	30	36	42	48	54	60
	7	14	21	28	35	42	49	56	63	70
	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Cross out any times tables you know off by heart. To learn the others, choose two or three and test yourself on remembering them.

Get other people to test you on them too!

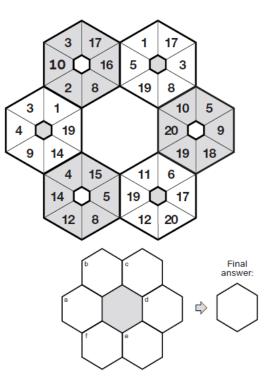


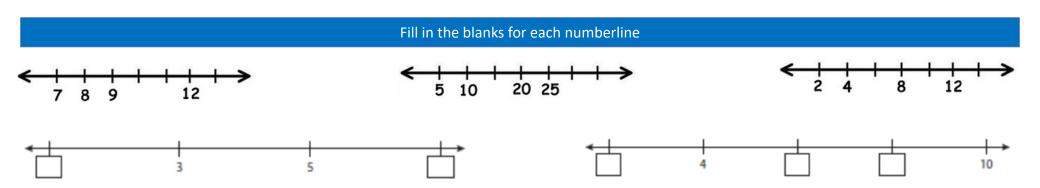




Fill in the blanks in the addition pyramids

Puzzled? In each 6-number hexagon, find the number that is the sum of 2 other numbers. Use all 6 sums to create 1 final puzzle and solve.







Year 9 Numeracy

See if you can find at least 10 pairs!

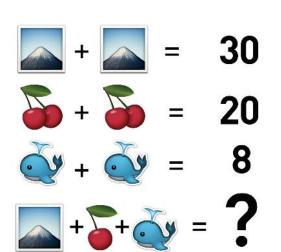


Number	Double it	Halve it	Times by 10	Times by 5	Times by 6
6	12	3	60	30	36
2					
3					
5					
8					
80					
16					
4					
12					

Try to work out the missing numbers. See if you can spot any links between your answers...

Put a circle around each pair of numbers that add to make ten

6	2	1	8	9	4
4	3	8	7	6	0
7	5	6	3	2	10
5	1	9	4	8	7
8	2	7	3	9	2
0	10	5	1	8	4





How many different sums could this picture represent? We've found 5. Can you find more?

Easy 15 x 3) + 1) ÷2	- 8	x 2	- 9	x 5	- 5) ÷2	?
Moderate	x 5	- 13	x 8	- 24) ÷2	50% of this) ÷2	Square it	?
Advanced 46 ÷2) + 11	- 4	60% of this	÷2	Square root of this	x 8	- 9	x 8	?

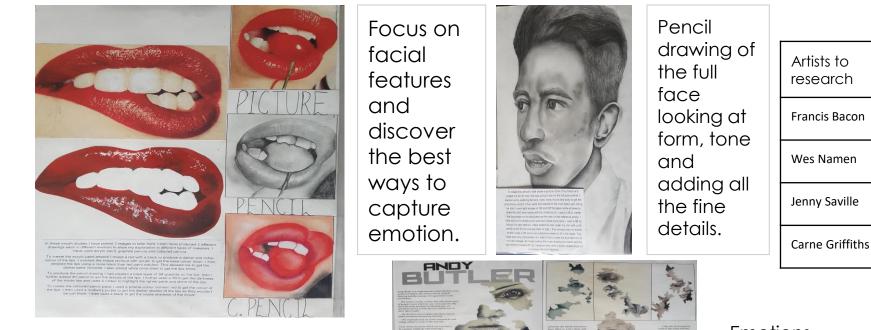




	GCSE Art and Design – Unit 1 60%					
AssessmentDevelop their ideas through investigations informed by contextual and oth sources demonstrating analytical and cultural understanding.Objective 1(Finding out about inspirational art and using it to influence your own wo						
Assessment Objective 2	Refine their ideas through experimenting and selecting appropriate resources, media, material, techniques and process. (Experimenting with media and techniques, improving your skills and visual ideas so you can devise a final idea.)					
Assessment Objective 3	Record their ideas, observations and insights relevant to their intentions in visual and/or other forms. (Thinking about the theme, making observations, annotating work and collecting resource material.)					
Assessment Objective 4	Present a personal, informed and meaningful response demonstrating analytical and critical understanding, realising intentions and, where appropriate, making connections between visual, written, oral or other elements. (Completing a relevant and intentional final piece.)					







Select an artist and be influenced by their style and technique to drive forward individual ideas forward.





Experiment with different media and techniques to discover the best method of creating a final response.

An individual final response to the theme of Emotive Portraiture incorporating the artist research and media experiments.

Emotions used in



Use of colour,

mood, form,



portraiture by







	Sole Trader	Partnerships	Franchise
Definition	Individual who owns and runs their	Is where 2 to 20 people own the	When a company buys the rights to
	own business	business	trade under an existing name
Control	Is with the individual who owns the	'Sleeping partners' invest but do not	Stores is owned and run by owner with
	business	run, partners that run share control	control at the franchisor
		'Deed of Partnership' outlines	
		responsibilities	
Decisions	Owner can decide working hours,	Each partner shares in decision making	Between franchisee and franchisor
	what to do with profit & who to		depending on contract
	employ		
Liability	Unlimited – they are responsible for	Partners have unlimited liability	Franchisor is liable
	everything. They could lose their home and assets		
Setup	Easy with little capital (money)	Partners invest their own money	Easy to set up a long as the franchisor
	required	together	agrees
Benefits	All profit goes to you	Risks & Responsibilities are shared	It is still your own business
	Easy to setup You are the boss	More specialist skills	Franchisee gets advice, support and
	All competitors can't see your	Simple & flexible	training No industry expertise is
	accounts	Competitors can't see your accounts	required in most cases Easier to build a
	Highly motivated	Easier to raise finance than sole trader	customer base
Drawbacks	Unlimited liability	Unlimited liability	Have to pay substantial initial fees and
	Limited Finance	Arguments can occur between partners	ongoing royalties
	Difficult to find cover if you are ill	If partner dies, resigns or goes	Profit is shared with franchisor
	Few specialist skills – buy in	bankrupt the partnership dissolves	Need to earn more profit
	expertise	Trust becomes significant element	Damage to name impacts on all
		between partners	associated
Example	Newsagents	Solicitors, Accountants	McDonalds





Market Segmentation

Type of Market Segmentation	Market is split into different categories in order to identify different types of consumer
Demographic Segmentation	Splitting the market based on income, job, age, occupation & lifestyle
Geographic Segmentation	Splitting the market based on where people live e.g. region, cities or neighbourhoods
Behavioural Segmentation	Splitting the market based on the way they use or interact with a product

Benefits of Market Segmentation

- Ensures customer needs are matched and met
- Potential for increasing profits
- Increased customer retention
- Allows for targeted marketing
- Potential for an increase in market share

What you need to remember for the exam

- Be able to recall the different types of market segmentation
- Be able read a scenario and decide what type of market segmentation the business has used
- Explain how you could segment a particular product
- Explain the benefits to a business of segmenting customers
- **Recall** and **explain** why customers are different and why this leads to businesses segmenting their customers

Examples of age and gender segmentation used at Lego



How customers vary

- Benefits they want from the product/service
- Amount of money they are able/willing to pay
- Quantity they want to buy
- Quality
- Time and location they wish to purchase



1. Key words to

practice spelling

Facial expression

Body language

Thought-track

Still image

Transition

Role-play

Narration

Dynamics

Physicality

Symbolism

Stimulus

Intention

Style

Genre



2. Complete a 'Role

on the wall'.

Instructions: Select a character you have been exploring. Write facts about the character around the outside of the figure and write emotions on the inside.

Extension: Justify the facts or emotions by adding lines of dialogue or a description of the body language/facial expression used.

4. Writing in role.

Write from the point of view of your character to demonstrate your understanding.

Instructions: When you write in-role, you write as if you are the character. Try to do at least one piece of in-role writing for a character each half term - it helps you understand them better and *imagine* what it's like to be them.

Examples of in-role writing include: diary entries letters notes emails Speeches

3. Activities that will help your understanding of the topic.

1.Research Ruth Ellis' case.

2.Research a typical trial for justice. What happens in a trial? Who is involved?

3. Create a 140-character tweet in response to 'Should hanging be stopped?'



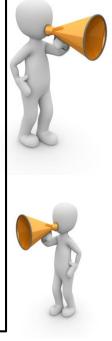
Characterisation **Physical Theatre** Slow motion Marking the moment **Conscience** Alley **Cross-cutting** Communicate Stanislavski **Emotion Memory Circles of Attention** Useful links Tempo-Rhythm **Given Circumstances**







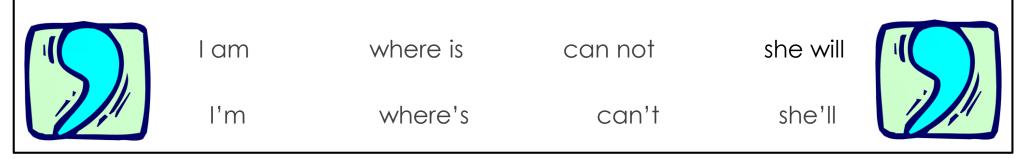
- o I was
- o He was
- o She was
- o It was
- o You were
- o We were
- o They were



<u>There/Their/They're</u>	<u>9</u>
1. Does "they are" fit?	They're
2. Does it show belonging?	Their
3. If not, then it should be about place or existence	There

Apostrophes for contraction

Apostophes replace missing letters, so which letters do I take out?







Sonnet 43

10

How do I love thee? Let me count the ways.

I love thee to the depth and breadth and height My soul can reach, when feeling out of sight For the ends of Being and ideal Grace.

 I love thee to the level of every day's Most quiet need, by sun and candlelight.
 I love thee freely, as men strive for Right;
 I love thee purely, as they turn from Praise.
 I love thee with the passion put to use

In my old griefs, and with my childhood's faith. I love thee with a love I seemed to lose

With my lost saints – I love thee with the breath, Smiles, tears, of all my life! – and, if God choose, I shall but love thee better after death.

ELIZABETH BARRETT BROWNING

Key Quotations:

□ The opening line 'How do I love thee?' suggests an intimate conversation between lovers.

□ 'Depth', 'breadth' and 'height' are weighty concepts which suggest her love is comprehensive and allows her to reach impossible extremes.

 \Box Poem of comparisons – 'Most quiet need' and 'men strive for Right' are two very different ideas. One is simple and one is complex showing the intensity of her feelings.

 \Box Replaced her faith in God with her love for her husband – 'lost saints'.

 \Box Final words – 'I love thee better after death' suggests even death will not part them. Their love is eternal.

Context:

Elizabeth Barrett Browning's brother drowned at a young age and as a result her father was very over-protective. She eloped against his wishes with the poet, Robert Browning, showing how important love was to her.

Elizabeth's Barrett Browning's father disinherited her after she married Robert Browning.

Structure:

□ Browning uses repetition of 'I love thee'. This sounds similar to a prayer so therefore she could be praying/hoping that someday they will be able to be together. □ At the beginning of the poem she makes references to her love being limitless and she also reinforces this at the end in the last line 'I shall but love thee more after death.' □ Sonnet 43 is the length of a traditional sonnet (I4 lines) but doesn't follow the traditional sonnet rhyme scheme. There are rhyming couplets yet the poem avoids a perfect rhyme scheme. Perhaps this reflects their relationship – unconventional but with close unity.





Energy

Energy security means having a reliable, uninterrupted and affordable supply of energy available. Energy insecurity can be experienced by countries with both a high and low energy consumption. Technology is increasing energy consumption.

Physical	Economic
 Geology determines the availability of fossil fuels. Climate variations will affect the potential use of renewable energy. Natural disasters can damage energy infrastructure. 	 Cost of extracting fossil fuels is becoming costly and difficult. Price of fossil fuels are volatile to potential political changes. Infrastructure for energy is costly, especially for LICs.
Technology	Political
 New technology is making once difficult energy sources now reachable/exploitable. 	 Conflict and turmoil in energy rich countries can affect exports. Stricter regulations over Nuclear.

Impact of Energy Insecurity						
Sensitive environments	Food production					
Exploration of energy resources threatens to harm sensitive areas such as the oil drilling in Alaska, USA.	Food production depends on the energy needed to power machinery and transport goods to different markets.					
Energy conflict	Industry					
Shortages of energy resources can lead to tensions and violence. Conflict can be caused by fear of energy insecurity.	Countries can suffer from shortfalls in energy leading to a decline in manufacturing and services.					





Increasing Energy Supply

Non-renewables

Fossil Fuels - Conventional power stations can be made more efficient with carbon capture overcoming the environmental impacts.

Nuclear - Once a nuclear plant is built it can provide a cheap and long-term dependable source of energy.

<u>Renewables</u>

Wind, Solar, Biomass - These are examples of environmentally friendly renewable sources that can't run out but cost a lot to install.

Arctic - Drilling for oil

The Arctic in the northern hemisphere holds 90 million barrels of oil.

Reasons for Exploitation

Improving energy security. Providing enough fuel for transport. Keep prices of oil low.

Reasons against exploitation Exploitation is expensive.

Arctic ecosystems are at risk Political issues and conflict could occur

Sustainable Energy Supply

This involves balancing supply & demand. It also includes reducing waste & supporting the environment.

Home design - Building homes to conserve energy. i.e. roof insulation.
Reduce demand - Changing attitudes towards energy used to save energy.
Efficient technology - Making cars more efficient by improving engine design and weight. i.e. Hybrid engines.
Transport - Using public buses & bikes.

C.S. UK Fracking

Fracking is used to extract natural gas trapped in underground shale rock. It is a method considered by the UK.

Advantages

- Estimated to create 64,000 jobs.
- UK has large shale gas reserves.
- Is far cheaper than natural gas.

Disadvantages

- May cause groundwater pollution
- Is a non-renewable resource.
- May trigger minor earthquakes.





GCSE PE (9-1	SEDENTARY	HEALTH IM	PLICATONS	
HEALTH	LIFESTYLE			
Understand the three areas of health; Physical, Social and Emotional. Be able to explain the different elements of Health	'A Lifestyle that is seriously lacking in physical activity'	 Weight Issues – Being Overweight, 	 Diabetes Risk of 	
LIFESTYLE CHOICES	Little/No Physical Activity.	Being Overfat, Being Obese.	Osteoporosis Lack of Muscle 	
Understand how Lifestyle choices can positively/negatively affect our health.		 Depression Coronary Heart Disease 	Tone/Poor Posture	
SEDENTARY LIFESTYLLE		 High Blood 		
Understand the health implications of living a sedentary lifestyle.		Pressure		





and win/lose gracefully.

PHYSICAL	EMOTIONAL	SOCIAL
Fight off Illnesses such as Type II Diabetes/Strokes/Heart Attacks. Increased Cardiovascular Fitness (to be able to perform for longer) Increased Muscular Strength and Endurance Body Composition – Weight Control to prevent developing conditions such as Type II diabetes.	 Feeling good – produces serotonin Relieving Stress & Tension – take our minds of our daily stresses Increasing Self-Esteem and Confidence – completing an activity, gives us a sense of achievement. Enjoyment – participating because you find it fun. Emotional Challenge – Pushing ourselves to overcome a difficult task Aesthetic Appreciation – Understand the beauty of the performance. 	Co-Operation – working together to achieve a common goal (team work) Developing Friendships and Mixing Socially – Joining clubs means mixing with different people. Therefore making new people and developing friendships. Gaining a Good Attitude – Learning how to respect people

LIFESTYLE CHOICES

Diet – Controls our weight, provides us energy, provides the body with nutrients, calorie intake vs calorie expenditure (weight loss/gain) **Activity Level** – People think of excuses to not participate, but it is important they do. Being active prevent us from being ill (heart attacks, strokes etc)

Recreational Drugs – Legal and Illegal Drugs. Legal Drugs (Caffeine, Nicotine, Alcohol). Illegal Drugs (Heroin, Cocaine, Cannabis, Ecstasy) Drugs have a negative effect on our health and can ultimately lead to death.

Smoking & Nicotine – Smoking is highly addictive, this increases the amount people smoke. The addictive ingredient is nicotine and is a stimulant which raises alertness. Smoking is extremely dangerous and can cause heart disease and lung cancer.

Alcohol – Alcohol is a depressant and slows down reactions. Drinking alcohol with sport is dangerous and is banned in sporting activities where it is a safety risk. E.g. motor sports/shooting.

Work/Sleep/Rest – Exercise helps you sleep better, and deeper. However you shouldn't exercise too late as you may be too energised to sleep. Rest is important to allow our body to repair and recover.



Year 9 French



La famille Family members		Les adjectifs de Personality adje	-	En vill In tow	-		Quand? When?
les parents le père la mère le beau-père la belle-mère le mari la femme les enfants le fils la fille le frère la sœur le demi-frère la demi-sœur le beau-frère la belle-sœur les grands-parents le grand-père	parents father mother stepfather/father-in-law stepmother/mother-in-law husband wife children son daughter brother sister half-brother, stepbrother half-sister, stepsister brother-in-law sister-in-law grandparents grandfather	II/Elle est agaçant(e) arrogant(e) amusant(e) bavard(e) charmant(e) content(e) fort(e) impatient(e) indépendant(e) intelligent(e) marrant(e) méchant(e) têtu(e)		le bow le café	re commercial ma gasins noire ine e itre	night club bowling alley cafe shopping centre cinema shops ice rink swimming pool beach theatre in behind in front of between	aujourd'hui demain ce/demain matin cet/demain après- ce/demain soir lundi matin samedi soir Les questions Questions Quand? Avec qui? On y va comment? On se retrouve où? On se retrouve à qu heure?
la grand-mère les petits-enfants le petit-fils la petite-fille l'oncle (m) la tante le cousin/la cousine	grandmother grandchildren grandson granddaughter uncle aunt cousin	My physical desu J'ai les cheveux courts/longs raides/bouclés/fr noirs/bruns/blong roux/gris/blancs J'ai les yeux bleus/verts gris/marron J'ai	I have hair short/long isés straight/curly		la petite an Je retrouve	•	(male) frii (female) f boyfriend girlfriend I meet up I hang out



Use Quizlet to revise any of these vocab lists using games, self-testing, flashcards and many other effective methods!



J'ai les cheveux	I have h
courts/longs	short/long
raides/bouclés/frisés	straight/ci
noirs/bruns/blonds	black/brov
roux/gris/blancs	red/grey/v
J'ai les yeux	I have e
bleus/verts	blue/gree
gris/marron	grey/brow
J'ai	I have
des lunettes	glasses
des boutons	spots
une moustache/une barbe	a moustac
Je suis	I am
petit(e)/grand(e)	short/tall
de taille moyenne	of average
mince/gros(se)	thin/fat



ian	
g	
curly	
wn/blond	
/white	
eyes	
en	
NN	
	J
	J
	(
che/a beard	
cheju beulu	J

'tall rage height πt

Je tchatte en ligne avec ma (female) friend. Avec mon petit ami, j'écoute de la mus Je passe chez ma petite copine. On rigole bien ensemble. On regarde un film ou des clips vidéo. On joue au foot ou au basket ensemble

On discute de tout.

On mange ensemble au fast-food.

aujourd'hui	today
demain	tomorrow
ce/demain matin	this/tomorrow morning
cet/demain après-midi	this/tomorrow afternoon
ce/demain soir	this/tomorrow evening
lundi matin	on Monday morning
samedi soir	on Saturday night
Les questions	
Questions	
Quand?	When?
Avec qui?	With who(m)?
On y va comment?	How are we getting there
On se retrouve où?	Where shall we meet?
On se retrouve à quelle	At what time shall we me
heure?	

here? ? e meet?

	(male) friend
	(female) friend
	boyfriend
	girlfriend
	I meet up with my friends in the park
	I hang out in town with my (female) friends.
	I chat online with my best
	meilleure copine.
sique.	I listen to music with my boyfriend.
	I go to my girlfriend's house.
	We have a good laugh together.
	We watch a film or music videos.
le.	We play football or basketball

We talk about everything. We eat together at a fast-food restaurant.



L'amitié

Year 9 French



Les rapports en famille Friendship **F**amily relationships I think that ... Je pense que ... Je m'entends bien avec ... Pour moi. ... For me ... Je me dispute avec ... À mon avis, ... In my opinion ... Je me chamaille avec ... Un(e) bon(ne) ami(e) est ... A good friend is ... Je m'amuse avec ... compréhensif/-ive understanding Je m'occupe de ... I look after ... cool cool le frère aîné/cadet older/younger brother drôle funny la sœur aînée/cade fidèle loval II/Elle est/a l'air/se généreux/-euse generous dynamique gentil(le) kind égoïste honnête jaloux/-ouse honest modest sévère modeste optimiste optimistic timide patient(e) patient travailleur/ sensible sensitive sympa nice Un(e) bon(ne) ami(e) ... A good friend ... écoute mes problèmes/ listens to my problems/ mes secrets secrets discute de tout avec moi talks about everything with me aide tout le monde helps evervone accepte mes imperfections accepts my faults respecte mes opinions respects my opinions a les mêmes centres d'intérêt que moi has the same interests as me a le sens de l'humour has a sense of humour

Une sortie An outing

J'ai contacté un copain/une copine.	I contacted a friend.
J'ai quitté la maison.	I left the house.
J'ai raté le bus.	I missed the bus.
Je suis allé(e) en ville.	l went into town.
J'ai écouté de la musique.	I listened to music.
J'ai retrouvé mon/ma copain/e.	I met up with my friend.
J'ai discuté avec mon/ma copain/e	I talked to my friend.
J'ai mangé un sandwich.	I ate a sandwich.
J'ai acheté des vêtements.	I bought some clothes.
C'était super.	lt was great.
J'ai passé une très bonne journée.	I had a very good day.

I get on well with ... I argue with ... I bicker with ... I have fun with ...

ette emble	older/younger sister He/She is/looks/seems lively selfish jealous strict shy bard warking
	hard-working
<mark>s essentie</mark> quency w	
very quite but	2
or	

La personne que j'admire The person I admire

Comment s'appelle la personne What is the name of the person que tu admires? vou admire? Mon héros s'appelle ... My hero is called ... Mon héroïne s'appelle ... My heroine is called ... Mon modèle s'appelle ... My role model is called ... C'est qui? Who is he/she? C'est un pilote de Formule 1. He is a Formula 1 driver. C'est un scientifique. He is a scientist. C'est une actrice. She is an actress. C'est une créatrice de mode. She is a fashion designer. Fais-moi sa description Describe for me what he/she physique. looks like. Il/Elle est petit(e)/gros(se), etc. He/She is ... small/fat, etc. II/Elle a les cheveux bruns, etc. He/She has brown hair, etc. Quelle est sa personnalité? What is his/her personality? II/Elle est ... He/She is ... travailleur/-euse/créatif/-ive hard-workina/creative Pourquoi est-ce que tu admires Why do you admire cette personne? this person? J'admire (Stromae/Malala, etc.) I admire (Stromae/Malala, etc.) car il/elle ... because he/she ... a travaillé très dur worked/has worked verv hard a joué dans beaucoup de films acted/has acted in lots of films a gagné beaucoup de courses won/has won lots of races a donné de l'argent gave/has given money aux bonnes œuvres to good causes a lutté contre ses problèmes fought/has fought his/her problems J'aimerais être comme lui/elle. I would like to be like him/her.



faire les magasins

Tu veux venir?

jouer à des jeux vidéo

On va sortir Going out	
Je vais	l am going
	5 5
aller à un match/au bowling	to go to a match/the bowling alley
aller au cinéma/à la piscine	to go to the cinema/the swimming pool
voir un spectacle	to see a show
faire du patin à glace/du skate	to go ice skating/skateboarding

to go ice skating/skateboarding to ao shoppina to play video games Do you want to come?

es mots ess	
-euse	hard-workin
	shy
	strict
-	jeulous

High-frequency words	
très	very
assez	quite
mais	but
ou	or
où	where
hier	yesterday
d'abord	first of all
puis	then
ensuite	next
après	afterwards
plus tard	later
le soir	in the evening

These are the two most useful verbs in French.

avoir	to have	être	to be
j′ai	l have	je suis	l am
tu as	you have	tu es	you are
il/elle/on a	he/she has; we have	il/elle/on est	he/she is; we are
nous avons	we have	nous sommes	we are
vous avez	you have	vous êtes	you are
ils/elles ont	they have	ils/elles sont	they are





Present tense – <u>ER</u> verbs				
jouer = to play:				
I play Je joue We play Nous jouons			Nous jou <mark>ons</mark>	
You play	Tu jou <mark>es</mark>	You play	Vous jou <mark>ez</mark>	
He/she/one plays	Il/elle/on jou <mark>e</mark>	They play	lls/elles jou <mark>ent</mark>	

Present tense – <u>RE</u> verbs			
répondre = to reply: (regular verbs)			
l reply	Je répond <mark>s</mark>	We reply	Nous répond <mark>ons</mark>
You reply	Tu répond <mark>s</mark>	You reply	Vous répond <mark>ez</mark>
He/she/one replies	Il/elle/on répond	They reply	lls/elles répond <mark>ent</mark>
dire = to say: (irregular verbs)			
l reply	Je répond <mark>s</mark>	We reply	Nous répond <mark>ons</mark>
You reply	Tu répond <mark>s</mark>	You reply	Vous répond <mark>ez</mark>
He/she/one replies	Il/elle/on répond	They reply	lls/elles répond <mark>ent</mark>

Present tense – <u>IR</u> verbs				
finir = to finish: (verbs that take –ss)				
I finish Je finis We finish Nous finissons				
You finish	Tu fini <mark>s</mark>	You finish	Vous fini <mark>ssez</mark>	
He/she/one finishes	II/elle/on fini <mark>t</mark>	They finish	lls/elles jou <mark>ent</mark>	
partir = to leave: (verbs that don't take –ss)				
I leave Je pars We leave Nous partons		Nous partons		
You leave	Tu par <mark>s</mark>	You leave	Vous par <mark>tez</mark>	
He/she/one leaves	II/elle/on par <mark>t</mark>	They leave	lls/elles par <mark>tent</mark>	

Avoir			
To have			
I have J'ai We have Nous avons			
You have	Tu as	You have	Vous avez
He/she/one has	Il/elle/on a	They have	lls/elles ont

Être			
To be			
l am	Je suis	We are	Nous sommes
You are	Tu es	You are	Vous êtes
He/she/one is	II/elle/on est	They are	lls/elles sont

	Pronunciation Wizard
	'e' at the end of words is not pronounced
	'é' at the end of words is always pronounced (like ay)
	to say 'è ', open your mouth widely
	'ç' is pronounced as 's'
	' s ' and ' x ' at the end of words are usually silent
	'oi' combination is pronounced as 'wa'
*	'au' and 'eau' are pronounced as 'o'
	'ou' is pronounced as 'oo'
127	'th' is simply pronounced as 't'
	'h' at the beginning of words is not pronounced
	at the end of words, 'er', 'ez' are pronounced as 'ay'
	and finally, take REALLY good care with these: 'r' and 'u'.





<u>component 1</u> Human Lifespan Development

LifestagesHolistic Development1. Physical development – Physical growth and physiological change1. Physical factors a) Genetic inheritance b) Diet and lifestyle choices2. Economic factors a)3. Adolescence (9 – 18 years)1. Physical development – Developing thinking and language skill and common activities that promote learning and development1. Physical factors a) Genetic inheritance b) Diet and lifestyle choices2. Economic factors a)6. Later adulthood (46 – 65 years)2. Intellectual development0Experience of illness and disease2. Experience of illness and disease2. Social, Cultural and emotional factors a)2. Economic factors3. Emotional development3. Emotional development – Learning and development – selings about self and other3. Social, Cultural and emotional factors a) Educational experiences3. Social, Culture, e.g. community involvement, religion, gender c) Influence of role models4. Social development – Forming relationships4. Social isolation4. Influence of social isolation	A1 Growth and development across life stages		A2 Factors affecting growth and development	
e) Personal relationship with friends and family Learning Aim B: Investigate how individuals deal with life events	 Infancy (0 – 2 years) Early childhood (3 – 8 years) Adolescence (9 – 18 years) Early adulthood (19 – 45 years) Middle adulthood (46 – 65 years) Later adulthood (65+ years) 	 Physical development – Physical growth and physiological change Intellectual development – Developing thinking and language skill and common activities that promote learning and development Emotional development – Developing feelings about self and other Social development – Forming relationships 	 a) Genetic inheritance b) Diet and lifestyle choices c) Experience of illness and disease d) Appearance 3. Social, Cultural and emo a) Educational experience b) Culture, e.g. communigender c) Influence of d) Influence of social isolat 	a) Income/ wealth b) Material possessions tional factors ces hity involvement, religion, f role models ion

B1 Different types of life event		B2 Coping with change caused by life events
1. Physical events	3. Life circumstances	1. <u>How individuals adapt to these changes</u>
Accident/ injury	a) Moving house, school or job	2. <u>Sources of support</u>
Ill health	b) Exclusion from education	a) Family, friends partners
	c) Redundancy	b) Professional carers and services
2. Relationship changes	d) Imprisonment	c) Community groups, voluntary and faith based
a) Entering a relationship	e) Retirement	organisations
b) Marriage		1. <u>Types of support</u>
c) Divorce		a) Emotional b) Information advice
d) Parenthood		b) Practical help, e.g. financial assistance, childcare,
e) Bereavement		transport





Key Terms

Life Stages: A number of distinct phase's people pass through during their lives.

What are PIES Developments?

P – Physical Development Gross motor skills and fine motor skills

I – Intellectual Development Language development – egocentric view of the world

E- Emotional Development Bonding with others

S- Social Development Interaction with others. Gross Motor Skill: The ability to move and coordinate the movement of the large limbs of the body, e.g. crawling, walking, and climbing, running. Fine Motor Skills: The ability to move and coordinate the movement of the hands and fingers, e.g. writing, painting, tying shoe laces, holding a spoon.

Language Development: The Process which children go through as they learn to communicate with others using words and speech.

Egocentric: Seeing things from only your own perspective or viewpoint.

Bond: To form an attachment with a parent or carer.

Growth: An increase in size, height and weight which can be measured.

Development: How the child gains skills and is able to control the actions their body makes

Self-Image The mental picture we have of ourselves. Some people see themselves in a positive light – for instance, intelligent, attractive and talented whereas other may see only negatives.

Self Esteem How much you like, accept and respect yourself – this is often talked about in terms of how much you value yourself.

BTEC Tech Health and Social Care component 1 Human Lifespan Development

Turn the body outline into you! Label the body outline with the physical milestones that you went through as a young child.





Talk to an older family memberabout yourlanguage developmentthroughout your life, e.g your first word, when youstarted talking in sentences etc.

Write down in a sentence, what you think language development is.

Now try and condense your sentence into 20 words.

Once you have done this, try and consider all the ways in which we communicate with one another e.g. non-verbal communication.

<u>Key Terms</u>

Oestrogen: A hormone produced in a woman's ovaries that controls the development of sexual characteristics and stimulates changes in the reproductive organs.

Testosterone: A hormone produced by the testes that controls the development of male sexual characteristics.

Abstract thinking: the ability to think about something that might not be there or even exist.

Peer Group: the social group a person belongs to which influences beliefs and behaviour.

Empathise: seeing things from another person's perceptive.

Mid-life Crisis A dramatic period of self-doubt caused by the passing of youth and the move into later adulthood.

Menopause: The natural and permanent stopping of menstruation (Periods) occurring, usually between the ages of 45 and 55. **Dementia** An illness that affects the brain and memory, gradually you lose the ability to think and behave normally.

Role Model: Someone whose behaviour and/or attitudes people try to copy because they admire them.

Gender Role: A role that is determined by a person's gender.

Manual Work: Work that requires the use of physical skills.

Non-manual work: work that depends primarily on mental skills.







Ideas about the causes of diseases – supernatural explanations	Ideas about the causes of disease and illness – natural explanations	
 The church Supernatural = the belief that forces beyond the mortal world can control illness e.g. the devil, God, evil spirits. People had to pay a tithe (a sum of money) to the church which was partly used to care for the sick e.g. by 1500 there were 1,100 hospitals (30% run by the church). The church taught that charitable donations could help to heal disease – wealthy people saw donating to the church as a way of healing themselves. In times of famine, the church claimed it was sent to punish sinners; or to cleanse a person's soul of sin; or to test a person's faith. If people recovered, they claimed it was due to their prayers. It was said that the Black Death in 1348 was sent to punish sinners. Leprosy was mentioned in the Bible. It was believed to be a severe punishment for sin. It began as a painful skin disease, then paralysis and eventually death. They were unable to cure it. Lepers were banned from living with other people, they may move to leper houses (lazar houses). They were made to wear a cloak and ring a bell to announce their presence. Astrology - basing diagnoses and treatments on the position of the planets A medieval physician (someone who practices medicine) may consult star charts; consider when a patient was surrong. After the Black Death, Astrology became more popular and gained church acceptance. Many people believed the Black Death was caused by the bad alignment of the planets. In 1345, there was an unusual positioning of the planets of Mars, Jupiter and Saturn which astrologers interpreted as a sign that something terrible would happen. 	 The four humours - blood, phlegm, yellow bile (choler) and black bile This idea originated with an Ancient Greek physician, Hippocrates. It was one of the longest surviving theories on causes of illness. It was supported by an Ancient Roman physician, Galen. It was based on the idea that the world was made up of 4 elements - fire, water, earth and air so the body was also made up of 4 liquids, or 'humours'. It was believed that all 4 humours must be balanced and equal. When the mix became unbalanced, you became ill and to preserve good health they must be kept in balance. e.g. someone with a fever had a temperature due to having too much blood; someone with a cold had too much phlegm which is why excess phlegm would run out of their nose. Humours were linked to seasons e.g. winter was cold and wet = too much phlegm. Theory of opposites Linked to the 4 humours was the theory of opposites. Galen believed that an imbalance in the humours could be treated with an opposite e.g. too much phlegm could be treated with hot peppers; a fever could be treated with a cucumber to cool them down. Galen theorised that the circulatory system circulated blood generated in the liver. Bloodletting was used to remove excess blood too, some died from this. Bad airs - miasmas It was believed that this impure airs could corrupt the body's humours. They believed that this impure air may have come from poisonous fumes released by an earthquake or volcano. 	



Year 9 History



Natural treatments and prevention	Factors of continuity
 Bleeding and purging (forcing vomit) was used to correct an imbalance in the humours. Some physicians recommended strong smelling herbs like aloe and myrrh, some people carried herbs or flowers with them to their nose to avoid breathing in the bad airs. Natural remedies e.g. mint tea to improve digestion. Bathing could help to open the pores and steam out impurities. Herbs might be added to the water. Lighting a fire and boiling vinegar could drive off bad air, especially during the Black Death. Physicians or surgeons sometimes lanced buboes, some people whose burst did survive. Quarantine houses were setup during the Black Death where the plague had broken out – the occupants were locked in and nobody entered. Villages cut themselves off, they received goods left at posts outside the village and left payment in a bowl of vinegar. 	 The church accepted the ideas of Hippocrates and Galen. Their libraries kept copies of their H&G's books and monks copied them to be sold. The church controlled knowledge as most people could not read or write and so people relied on the church for information, they only copied books that agreed with their ideas. Dissections were difficult as the church taught that the body needed to be whole to go to heaven. It was only really criminals whose bodies were cut up, even though they showed some of H&G's ideas to be wrong, they believed this was because criminals' bodies were imperfect.
Prevention and treatment – religious/supernatural	Factors of change
 Confessing sins and praying could gain God's forgiveness. Praying to God and fasting was a way to prevent becoming ill. Going on a pilgrimage and making offerings to God could also prevent illness. Self-flagellation (whipping yourself) was a way of punishing yourself so that God didn't. 	 Gutenburg's printing press (1440) did allow for more doctors to publish theories. Some new ideas slowly began to be published. But the church took control of many printing shops and stopped books being published that disagreed with its theories.

Case Study - the Black Death, 1348-49

- Main symptoms: buboes (a swelling in the armpit or groin filled with pus); victims die within 3-5 days.
- 200 people were buried in London at its worst point. Around 1/3 to 1/2 of the English population were thought to have died. It returned every 10-20 years but killed fewer people each time.







Mood Board Knowledge Organiser

Extended Question Type 2- Evaluate a Mood board

10

Question 7 is based on Fig. 2

Fig. 2 is the first draft of a pre-production mood board for a television advert for the Summer Bank. Holiday Sale. The advert will be shown on national television channels between programmes at prime-time viewing, before 9pm in the evening.



Fig. 2

11 Discuss the suitability of the mood board in Fig. 2 for the television advert. You should include any 7* areas for improvement. [12]

The quality of written communication will be assessed in your answer to this question.

Create Questions

Marks awarded for:

- Identify target audience (usually a designer)
- Explain how suitable it is for the designer by talking about:
 - The layout (Is there a title? Is it easy to follow?) -
 - Content-is it clear? Is it linked to the project? -
 - Different elements included? -
 - -Are there any annotation included to explain or justify choices
 - -Is it fit for purpose, does it include all the content that a designer would need to understand the ideas?
- Always identify STRENGTHS and WEAKNESSES
- SPaG marks are given

Purpose of a mood board

It is a visual tool used to generate ideas for the look, colour and styles for a project. It can be used to collect ideas from different people.

Target Audience

The target audience for a mood board is the designers of a product. It helps them to see the ideas and styles in one place.



Year 9 Mathematics



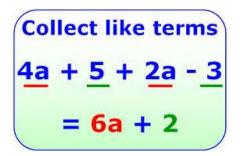
Foundation

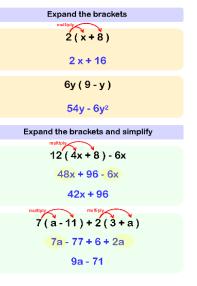
Find the Meaning of these Key Words		
Negative, product, prime factorisation,		
root, power, index, indices, integer,		
digit, decimal, operation, even, odd.		

Brackets	10 × (4 + 2) = 10 × 6 = 60
Indices	5 + 2 ² = 5 + 4 = 9
Division	10 + 6 ÷ 2 = 10 + 3 = 13
Multiplication	10 - 4 × 2 = 10 - 8 = 2
Addition	10 × 4 + 7 = 40 + 7 = 47
Subtraction	10 ÷ 2 - 3 = 5 - 3 = 2
	Division Multiplication Addition

Rule	Example
$a^m x a^n = a^{m+n}$	$2^5 \times 2^3 = 2^8$
$a^m \div a^n = a^{m - n}$	$5^7 \div 5^3 = 5^4$
(a ^m) ⁿ = a ^{m×n}	$(10^3)^7 = 10^{21}$
a ¹ = a	$17^{1} = 17$
a°= 1	$34^{\circ} = 1$
$\left(\frac{a}{b}\right)^{m} = \frac{a^{m}}{b^{m}}$	$\left(\frac{5}{6}\right)^2 = \frac{25}{36}$
$a^{-m} = \frac{1}{a^m}$	$9^{-2} = \frac{1}{81}$

Find the Meaning of these Key Words Simplify, expand, substitute, equation, formula, identity, factorise, terms, integer, fractional, index





Higher

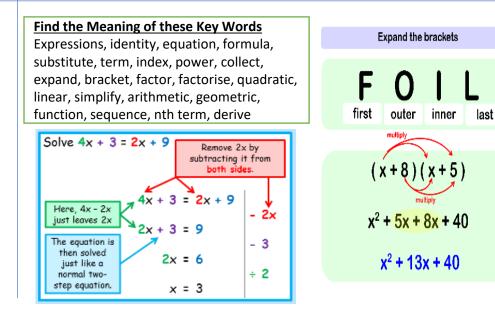
Find the Meaning of these Key Words

Integers, operation, negative, significant figures, powers, roots, indices, reciprocal, BIDMAS, estimate, prime, factors, multiples, standard form, base 10, irrational, surds

indices		
a ⁰ = 1	$a^{m/n} = (\sqrt[n]{a})^m$	
$a^{-n}=\frac{1}{a^n}$	$a^{-1} = \frac{1}{a}$	
a ^{1⁄n} = ∿a	a ^{1⁄2} = √a	

Calculations with Standard Form (without calculator)

Multiply	Divide
$(4 \times 10^6) \times (2 \times 10^3)$	$(4 \times 10^6) \div (2 \times 10^3)$
= $\% \times 10^9$	= 2×10^3







PRACTISE PRACTISE PRACTISE !!! It is better to practise for 10 minutes every

day rather than an hour once a week.



Learn a couple of warm ups that are suitable for your instrument. Memorise them so you can use them before you practise/perform

Create **MIND MAPS** for different job roles in THE **MUSIC INDUSTRY**

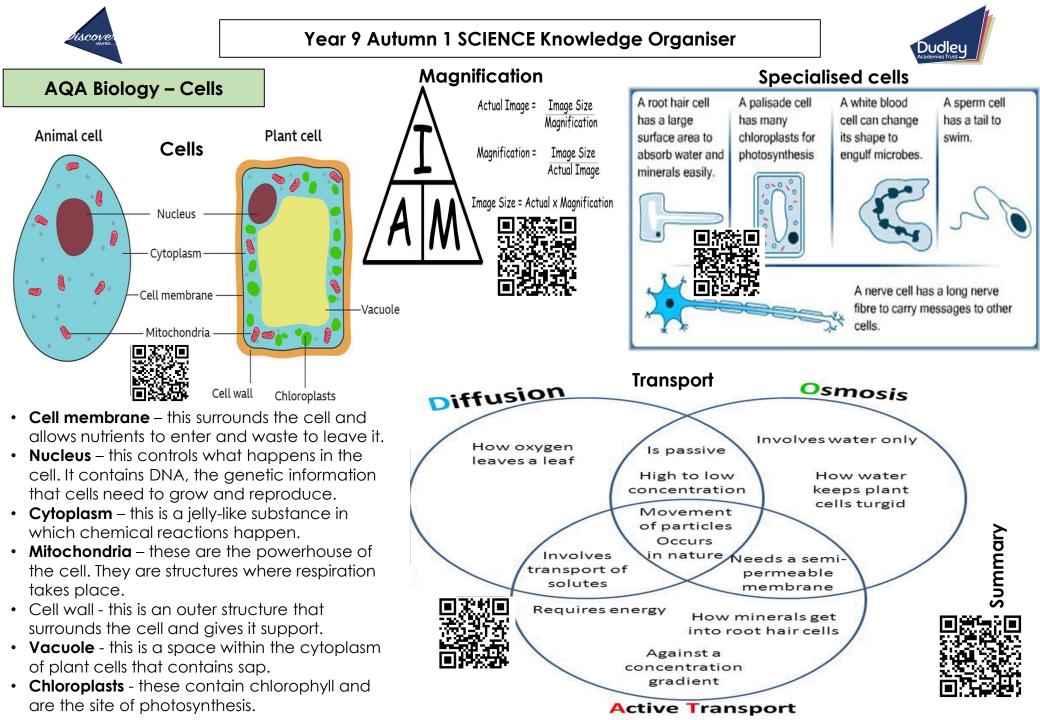


(This website may be a good place to

start)

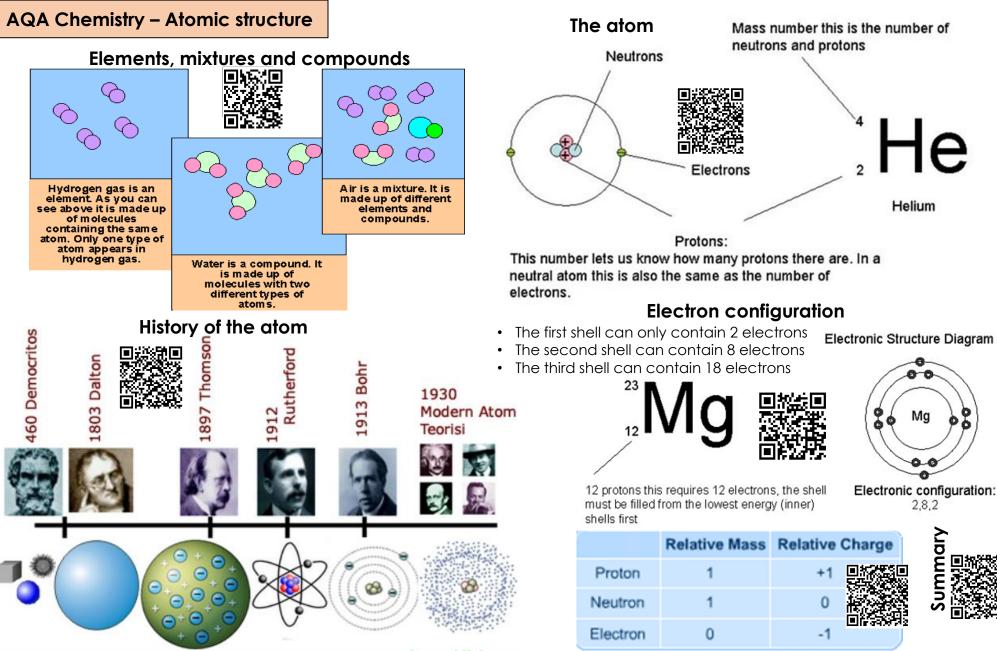


Find out the meanings of the following: Performing Rights Copyright Royalties





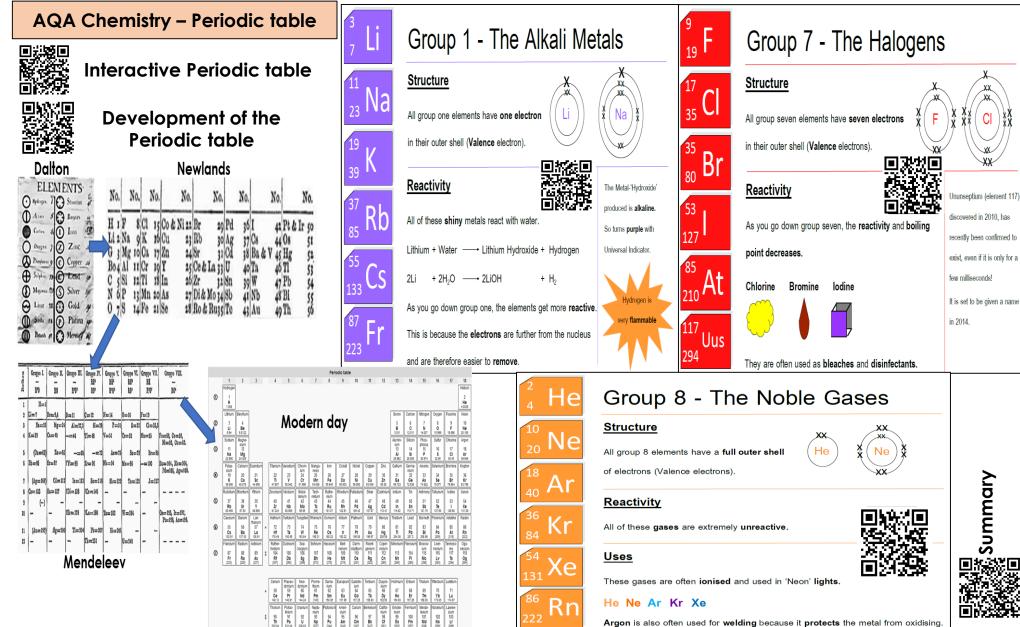






Year 9 Science

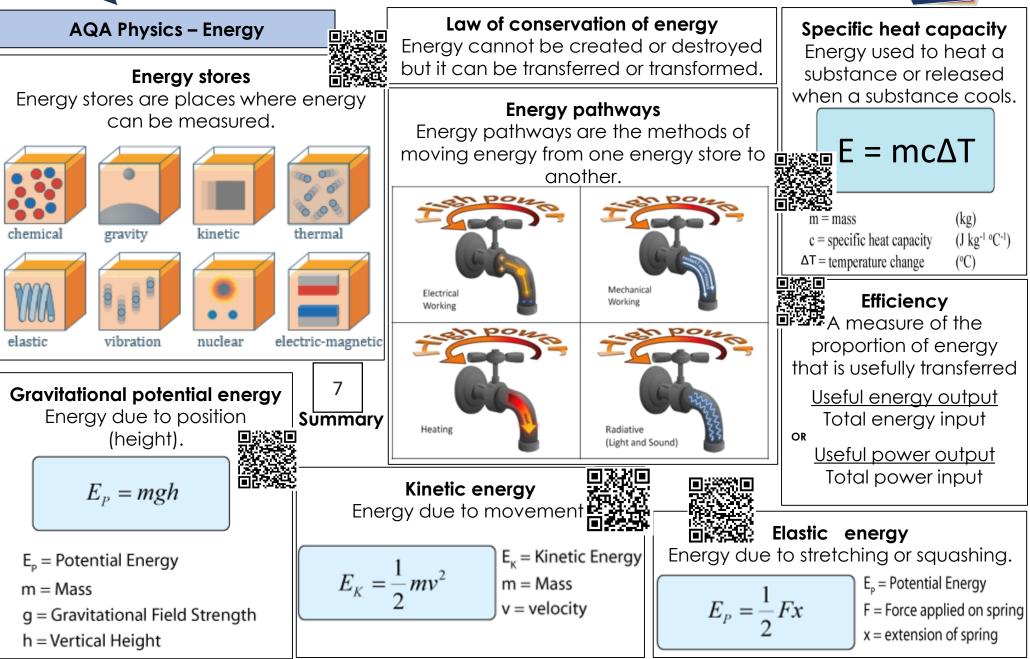






Year 9 Science







Year 9 PSHEE





Lífe ín other countries is not always as it is in this one, often in countries around the world it's citizens don't have the same rights as us. Spend some time researching the ways in which other countries treat people in their country.







THERMOSETTING PLASTICS 5

Polyester resins. If resins are combined with a material such as fibre glass, the result is a very tough material that can resist impact. Known as Glass Reinforced Plastic (GRP) and is used in car body repairs, sailing boats and corrugated sheet, because of its lightness, toughness and resistance to water.



THERMOSETTING PLASTICS 4

Urea Formaldehyde has physical properties of high hardness and high toughness, making it suitable for strong, knockresistant electrical fittings. It is also scratch resistant and a very good electrical insulator. Electrical fittings manufactured from this polymer are safe to use.



WHAT ARE THERMOPLASTICS ?

These plastics can be re-heated and re-shaped in various ways. They become mouldable after reheating as they do not undergo significant chemical change. Reheating and shaping can be repeated. The bond between the molecules is weak and becomes weaker when reheated, allowing reshaping. These types of plastics can be recycled.



PLASTIC PROCESSES

Extrusion Moulding

Injection Moulding MOUL ********* PLASTIC POWDER 2. мош **** ARREAR AR ******** 3. PLASTIC POWDER 4 PLASTIC POWDER + + + ******** MOTOR

 Granules of plastic powder (note the plastics listed above) are poured or fed into a hopper which stores it until it is needed.

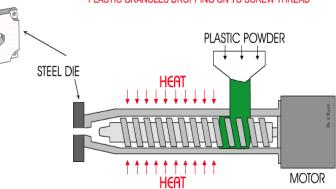
2. A heater heats up the tube and when it reaches a high temperature a screw thread starts turning.

3. A motor turns a thread which pushes the granules along the heater section which melts then into a liquid. The liquid is forced into a mould where it cools into the shape (in this case a DVD storage unit).

4. The mould then opens and the unit is removed.

Materials such as polystyrene, nylon, polypropylene and polythene can be used in a process called extrusion. These are thermoplastics - this means when they are heated and then pressured in a mould they can be formed into different shapes and sections

A machine used to extrude materials is very similar to the injection <u>moulding machine</u>. A motor turns a thread which feeds granules of plastic through a heater. The granules melt into a liquid which is forced through a die, forming a long 'tube like' shape. The extrusion is then cooled and forms a solid shape. The shape of the die determines the shape of the tube.



PLASTIC GRANULES DROPPING ON TO SCREW THREAD



45 Cut

Year 9 Technology Engineering



Mitre Joint



This joint looks good but it is not interlocking so lacks strength. It can be used to produce any shape frame. It can be strengthened by adding veneer keys or dowels as below.

Cross Halving Joint



This joint can be used to produce corners, 'T' shapes or '+' shapes. In a corner joint it is not interlocking so relies on the glue for strength. It is side grain to side grain so gives a fairly strong joint. The most common use is in the '+' form. There are better joints for corners or 'T' sections.

This joint has double the gluing area than the cross halving joint so it is a lot stronger. It is an interlocking joint. It is often used if the joint is not a 90 right angle as the example shows below.

Lap Butt Joint

Haunch

Mortice

Tenon

A fairly easy joint to cut but it lacks strength. It is not interlocking so relies on the glue.

Dowel Joint

A Dowel joint is created by drilling matching holes in both boards then inserting dowels to provide some strength. It is not a very strong joint and requires a lot of accuracy to manufacture well. It is more suited to machine made, mass produced furniture

> The dowels have chamfered ends and grooves cut along the sides. This is to allow air and glue to escape from the hole.

This is the most common frame joint in use. It has the same gluing area as the bridle joint but it is contained within the frame. Mortice & Tenon Joints

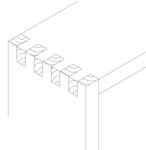
Through and Lap Dovetail Joint

This is a very strong and attractive joint. It has a large gluing area and is interlocking. The wedge shape of the Dovetail prevents the joint being pulled apart even without glue.



A Lap Dovetail is used when strength is required but you do not want to see the joint, for example on a drawer front. It is very strong and interlocking whilst having an unbroken front face.

Comb or Finger Joint



This is a joint used in mass produced machine made furniture. Machines are set up to cut multiple slots at the same time that will interlock with each other. It is interlocking and very strong when glued but it does not have the wedging action of the Dovetail joint. It is quite difficult to cut by hand.

Long & Short Shoulder Mortice & **Tenon Joint**

This type of joint is used to produce a frame with a rebate in it. This will allow glass to be fitted neatly into the frame then held in place with some beading





A balanced diet consists of a variety of different types of food, providing adequate amounts of the nutrients necessary for good health –carbohydrates, fats, proteins, vitamins, minerals, fibre and water.



CARBOHYDRATES Types of food: Bread, Rice, Pasta, Potato



Benefits: Carbohydrates are needed for

energy, there are two types which are starches and sugars. Carbohydrate provides an important source of energy for the body. Carbohydrate provides 16kJ per gram which is used both for energy to move and be active as well as energy for body processes such as breathing, heart beating Vitamin B (thiamine and riboflavin) help release the energy to the body. All carbohydrates are converted to **glucose** when digested and this is converted to energy. If the energy is not used up then it is stored as body fat

TYPE OF MACRONUTRIENT

FATS GOOD FATS: Fish, nuts, olive oil, avocado BAD FATS: Fried food, chips, chocolate, butter, cheese



Benefits: source of energy, all fats need to be eaten in moderation.

Protein

Types food: Eggs, fish, meat, cheese, nuts



Benefits: Protein provides the amino acids for the body to grow especially in children and pregnancy. Protein is used to repair the body tissues after illness, injury or surgery. It also produces enzymes for digesting foods. It is a secondary source of energy for the body. Protein contains a variety of amino acids with different forms of protein containing all or some of the amino acids needed by the body.

TYPE OF MACRONUTRIENT

Macronutrients -Carbohydrate, protein and fat (macro means large)

Micronutrients -- Vitamins and minerals (micro means small)





VITAMINS

TYPES:

- A-Fruit and Vegetables
- **B**–Dairy, eggs, fish
- **C**–Fruiť
- D-Dairy, fish
- E-Fruit, Vegetables, cheese, oil, dairy
- K–Fruit, vegetables, cheese, chicken Benefits:
- A –treats eye disorders and skin infections
- B-relief from Kidney and Liver disorders plus anaemia
- C-helps treat scurvy, common colds and cancer
- D-helps relieve arthritis and diabetes
- E-helps blood circulation and ageing process

TYPE OF MICRONUTRIENT

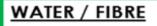
MINERALS

TYPES: Calcium – milk, cheese, broccoli Sodium – salt, bacon, fruit, vegetables Iron – red meat, chicken, broccoli, spinach, fish Benefits: Calcium–forms bones and teeth Sodium–regulates body fluid

Iron-helps oxygen transportation

TYPE OF MICRONUTRIENT





Types of food-cereals, bread, fruit and vegetables

Benefits: Water-hydrates the body, 70% of our body weight is water. Stops overheating, helps waste disposal. Fibre-regulates the digestive system and intestines helping with the removal of waste products



TYPE OF MICRONUTRIENT

Macronutrients -Carbohydrate, protein and fat (macro means large) Micronutrients –Vitamins and minerals (micro means small)