

NAME:	•••••	 	

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- Self Quizzing instructions
- Subject Knowledge Organisers

TUTOR GROUP:

You will need an A4 application booklet.

HOMEWORK:

- Your teacher will set specific tasks, with a deadline, on Class Charts
- Instructions for your homework and how to access it are in this booklet
- You must complete and hand in the work by the deadline

INDEPENDENT LEARNING EXPECTATIONS AND REWARDS:

- You should complete 1 task per day, 5 days a week.
- The tasks will be set on Class Charts to help you keep track of what you need to do.
- You must bring your ILB and application book to school every day.
- You can choose the subject/topic you want to work on.
- Your tutor will check your ILB regularly to see how you are getting on.
- · You will be rewarded for going above and beyond expectations.

USING CLASS CHARTS



All of your homework will be set by your teachers using the Class Charts System.

You should check Class Charts every day to make sure you are up to date, and that you meet all your deadlines. Below, shows you how to log on and track your homework.

Logging in to Class Charts

1. Enter your email address and password into the fields provided



2. Click on the Log in button



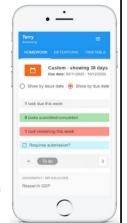
3. Enter your date of birth if prompted and click on the OK



Homework

- Select the homework tab on our account
- This will display a list of the homework tasks which you have been given.
- To change the date range for displayed homework tasks, click on the orange Date button.
- To display tasks in the order they are expected to be handed in, click on the Due date button.
- To mark a homework task as completed, view the homework task of your choice in more detail and tick the Completed checkbox.

To view a homework task in more detail, click on the expand icon in the bottom right hand corner of the homework tile. A popup will appear that contains the a description of the homework task, the estimated completion time and any links or attachments that may have been included.





Keeping track of homework

To track your homework use the three banners above the homework status. This shows the the number of homework tasks that are due that week, how many of those tasks you have completed and how many tasks you still need to complete.

To only see homework tasks that require an attachment submission, tick the checkbox labelled Requires submission.



If you are viewing the Homework tab via a desktop or laptop, expanding a homework status category will display a table overview of each homework task for the selected date range.

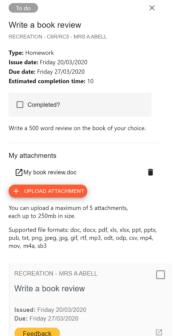


Homework attachment submissions

For certain homework tasks, you may be asked by your teacher to upload your work as an attachment. When viewing a homework task in more detail, you will see the Upload attachment button if your teacher is expecting your work to be uploaded. To submit a homework attachment, click on the Upload attachment button and select the files of your choice. Successfully uploaded files will then appear above the button

If your teacher leaves feedback on one of your homework attachments, you will see a Feedback icon appear on the associated homework task.

To view the feedback, click on the expand icon in the bottom right hand corner of the homework tile. Your teacher's feedback will appear directly below your homework attachment



To do

To-Do: These are homework tasks that you need to complete. Once you have completed them, tick the checkbox Completed

Completed: These are homework tasks that you have ticked as completed but have not been marked by your teacher

Submitted late

Late: These are homework tasks that have been handed in past the deadline.

Not submitted

Not submitted: These are homework tasks that were not handed in on time.

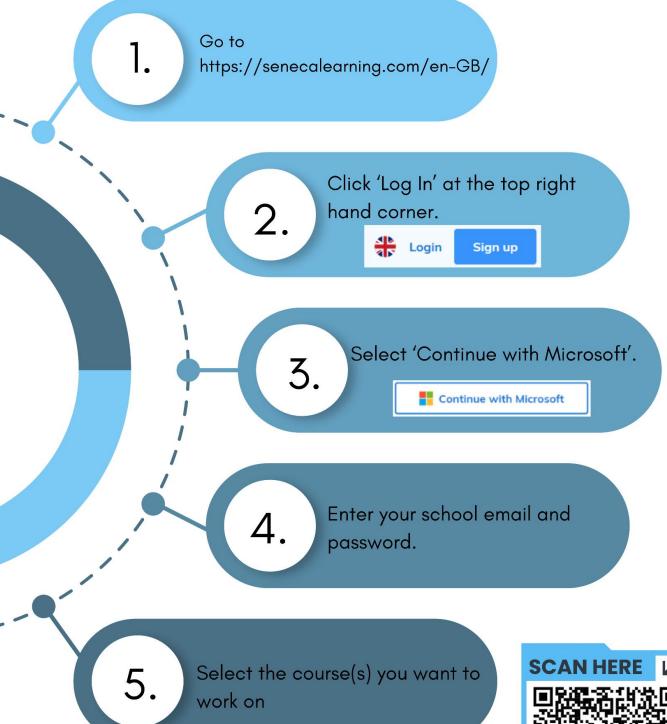
Submitted

Submitted: These are homework tasks that have been handed in on

HOW TO ACCESS SENECA



Seneca learning is a free online platform that will help you revise for all your subjects.



If you need any help accessing SENECA please speak to your class teacher, or Miss Holmes.

You can also scan this QR
code for a video
walkthrough of how to log
in as a student



INDEPENDENT LEARNING LOG EST SELF-QUIZZING

Expectation this ½ term: Self-Quizzing

- 1. Use/Create 6 questions
- 2. Answer 6 questions

- This should be done once a day, for approximately 20 minutes.
- All quizzing should be evidenced in your application booklet.
- Use this log to track how what subjects you have done (see example)

Week Beginning	Monday	Tuesday	Wednesday	Thursday	Friday
EXAMPLE: 01/09/2025	English: KG1 & 2	Science: KG2 & 4	History: KG4 & 5	PSHCE: KG 1 & 2	Drama: KG 1 & 3
8/09/2025					
15/09/2025					
22/09/2025					
29/09/2025					
06/10/2025					
13/10/2025					
20/10/2025					5

SELF QUIZZING - INSTRUCTIONS



Identify knowledge

Identify the subject and knowledge groups you are going to cover. Look at one knowledge group at a time.



Review

Spend around 5 minutes reviewing the knowledge group you have

Use this time to create questions if you need too.

Read it to yourself Highlight keywords



Cover and answer

Cover up your knowledge and answer the questions from memory. Take your time and where possible answer in full sentences.



Revisit

Go back to the content and self-mark your answers in **green** pen.



Review

Review the areas where there were gaps in knowledge, and selfquiz this area again.

SELF-QUIZZING QUESTIONS

These are taken straight from a knowledge organiser. These are examples of questions in your KO that can help you with self quizzing.

What is happiness?

What is gratitude?

What is vulnerability?

What is courage?

A. Structure of the Earth and Plate Tectonics



1

Structure of the earth

Crust - The outer layer of the Earth. It is a very thin layer (think of an apple skin on an apple) and ranges between a thickness

of 6 and 70 km. Broken in pieces called tectonic plates. Mantle - Due to the high temperatures of this thick laver, the mantle has the

the mantle range from 5000°C near the core to 1300°C just below the crust. Outer Core – This layer is liquid and made up largely of iron.

consistency of jam! Temperatures within

Inner Core - This layer is solid and is also made of iron. Temperatures within this dense core can be 5500°C.

Using your KO, you can create your own questions, such as:

Structure of the Earth

- 1. What is the Crust?
- 2. What is the Mantle?
- 3. What is the Outer Core? 4. What is the Inner Core?

You can directly answer these questions in your application book.



Subject: Art Topic: Assemblage Mask

Year 9 Half-Term 1



	Knowled	dge Group 1: Mask Preparation
1	Fibre mask	A rigid paper mask with elastic to wear around the head.
2	Contour	An outline representing or bounding the shape or form of something.
3	Carve	Cut or shape a material in order to produce an object, design, or inscription.
4	Aperture	An opening, hole, or gap.
5	Bionic Eye	An artificial, robotic eye which provide visual sensations to the brain.
6	Wire mesh	A woven metal fabric created in varying degrees of coarseness, weight and aperture.
7	Warp	Make or become bent out of shape.
8	Overlap	Extend over so as to cover partly.
9	Underlap	To extend partly under.

	Knowledge G	roup 2: Assemblage				
1	Disparate objects	Essentially objects which are different in kind; not able to be compared.				
2	Balanced composition	A compositional choice in art in which the work feels balanced. Different compositional aspects carry "weight," for example the placement of objects.				
3	Movement (Making the eye travel)	The principle of art that an artist uses to guide a viewer's eye in, through, and out of a composition.				
4	Embed	To fix (an object) firmly and deeply in a surrounding mass.				

	Key Voc	abulary			
1	Richard Symons	Is an artist, sculptor and model maker who has worked in film, television and commercial projects.			
2	Assemblage	A work of art made by grouping together found or unrelated objects.			

	Knowledge Group 3: Paint										
1	Flat colour	Process of applying a coloured medium onto a surface to record a solid and uniform finish.									
2	Unified	Made uniform or whole; united.									
3	Dry brush	Drybrush is a painting technique in which a paint brush that is relatively dry, but still holds paint, is used to create a drawing or painting.									
4	Tonal modelling	A means for the artist to create a sense of three-dimensional form in a painting. It involves using gradations of tone over the surface so that the lighter surface appears closer to the viewer and the darker side further away.									
5	Highlights	An area or a spot in a drawing, painting, or photograph that is strongly illuminated.									
6	Shadows	A shadow is a dark area where light from a light source is blocked by an opaque object.									

Subject: C	Computer Science	Topic: Cybersecurity					ar Group: 9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF	
Cybersecurity		Malicious Sol	tware tware	y Vocab	Vocabulary				
Cybersecurity	Cybersecurity is the practise of protecting computer systems, networks and devices from cyberattacks.	Computer Virus	A virus is a piece of malware that infects a computer and then replicates itself continuously, infecting multiple files and	1	Network Social	(A network is a set of computers connected together for the purposes of communication and sharing resources. Social Engineering is malicious		
Importance of cybersecurity	Cybersecurity is important to reduce the risk of cyber-attacks and protect against the unauthorised	Trojan	A Trojan appears to be a piece of	2	Engineer	ring	activities to trick users in security mistakes or givi sensitive information.	ito making	
	exploitation of networks and technology.		harmless software that contains malicious code hidden inside. This	3	Maliciou Software		Malicious code is softwo written to harm or affect		
	etecting and Preventing		only appears once the software is installed. It was named after the Greek myth of the Trojan horse.		Malware			·	
Cybersecurity			,	4	Hacker		Malicious hackers exploit vulnerabilities for personal gain, such as stealing		
Biometrics	Biometric security makes use of unique physical characteristics and features to identify people when	Spyware	Spyware is a type of malware that collects the activity on a computer				data, spreading malwa damage	re, or causing	
	they are using a computer system. Examples include: scan of a fingerprint, facial recognition, eye or retina scan.		system and sends the data it collects to another person without the owner being aware.		cial Engi	neerin	ıg		
					Phishing		a phishing email will ask a person to send personal details but pretends to be from a business.		
Weak and Strong Passwords	A good password is made up of a collections of characters. It should be at least 8 -12 characters long and should include: uppercase letters, lowercase letters, numbers	Adware	Adware is software that either causes pop-ups or windows that will not close. Generally, the pop-ups or windows display advertisements.	Pho	arming	is a type of cyberattack that redirects user from a genuine website to a fake one. When a person logs in, it copies their username and password to acce		site to a fake in, it copies	
	and a special character.	Ransomware	Ransomware hijacks the data on a computer system by encrypting it				their real accounts.		
Captcha	CAPTCHA forms challenge humans to prove that they are human.		and demanding that the owners pay money for it to be decrypted.	Blagging			is when someone makes gain a person's interest a encourage them to give	nd uses this to away	
Two Factor Authentication	Extra layer of security making it harder for hackers to break into your		45Th				information about themselves, or eve send money.		
(2FA)	accounts. An example: Enter your password (the first factor), and then also receive a code on your phone (the second factor).	00			Shouldering		is looking at someone's information of their shoulder, for example looking at someone enter their PIN in a shop or a a cashpoint.		

		Product Design		Illuminated 3D Jigsaw			Year	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF			
1.	Material Pr	operties	3.	Materials	; Manufactured Boards	5 .	5. Tools & equipment				
1	Malleable	Can be pressed or hammered into shape	1	Plywood	Strong thin wooden board consisting of two or more layers glued and pressed together	1	Soldering Iron	An electrical too heat, melting so to join metals to	der allowing you		
2	Corrosion	Resists oxidization or moisture			with the direction of the grain alternating.						
	resistant		4	Flacture	la atranja Campananta		Wire Cutters	Hand held tool u			
3	Ductile	Able to be stretched into wire	4.	I. Electronic Components							
			1	Battery Snap	Snap onto the leads on the terminal end of a standard	3	Wire Strippers	A hand-held too remove insulation			
4	Hard	Resists scratching		00	9V battery.	3		wires.			
				Switch	A component that can		Dura a a a a a Callal				
2.	Materials; I	Metals	2		disconnect or connect the path in an electrical circuit.	0.	Process; Sold	ering			
1	Ferrous	A ferrous metal is a metal that DOES contain IRON. Ferrous metals tend to rust and are		Light Emitting	light when current flows	Step 1	Heat the connecti few seconds, then	on with the tip of the apply the solder.	soldering iron for a		
	metal	magnetic Examples include; Iron and Steel	3	p	through it in the correct direction.	Step 2	Keep the soldering tip on the connection as the solder is applied.				
2	Non	A non ferrous metal DOES NOT contain IRON.	4	Wire	Made from copper, allowing electricity to flow	eb 3	Remove the tip fro	m the connection as	soon as the solder		

between components.

electrochemical cells with

external connections for

A combination of

powering electrical

devices.

Key Vocabulary

Prototype

metals

Alloy

1 Template A shaped piece of rigid material used as a pattern for repeated processes such as cutting out or shaping

A first version of a device from which other forms are developed.

Battery

2 **Model** A particular design or version of a product

Examples include; Aluminium and

An alloy is a combination of 2 or

more metals mixed together to give

an existing metal better properties

Examples include; Solder, Brass and

Copper

Bronze

Sand down any finished plywood shapes (P80,P120,P240,P320,P400)

Know the black wire goes to the short leg on the LED.

(Red – positive, Black – Negative)

Don't move the connection while the solder is cooling.

electrical component you are soldering

Don't overheat the connection, as this might damage the

De	esign & Te	echnology; Food		Topic: Th	e power of food			Year Group	9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF
1.	Knowledg	e is power	2. How to adapt a recipe			Key	Key Vocabulary			
		Superfoods are foods that are thought to be very good for your health. They usually have lots of nutrients. These nutrients help your body stay healthy and fight off illness. Some Scientists believe that these foods have extra special		Big Mac	Mince choice, combining, moulding, shaping, comethods. Vegan/pescatarian options.		1	Deficiency	A lack/shortage of a n	utrient in the body.
1	Super foods	benefits in boosting our immunity.	1		Garnish development, leaves, vegetables, Saucemayo, chilli,	es –	2	Excess	Too much of a nutrient	in the body.
		Fast food is a type of mass-produced food that is easy to		Sausage Bites	Meat filling choices, vegan, fish		3	Macronutrient	A nutrient required in le E.g. carbohydrates, fa	arge amounts in the diet. ts, protein.
2	Fast foods	access, efficient and tasty. Some are sold in restaurants or bought in stores with frozen, preheated or precooked ingredients. Many fast foods contain hidden fats, salt and sugars, so must be consumed occasionally, as a treat.	2		5 veg a day, grating to hide for toddlers. Eliminate fatty pastry using wholegrain bread as a casing. More Fibre fuller for longer Shaping, moulding, securing, glazing, consistent s even cooking. Use food probe		4	Micronutrient	A nutrient required in s E.g. vitamins, minerals	mall amounts in the diet. and NSP.
				WEG .	Type of potato: Sweet potato, white, new		5	Anaemia		ee caused by lack of iron in ealthy red blood cells to around the body.
3	Cooking Methods	We cook food to make it safe, tasty and easier to digest. The way that we cook food has an impact on nutrients and some are better than other at retaining them. E.G steaming. Finding the best cooking methods to seal nutrients in is essential to reduce nutrient loss and maximise benefits	3	KFC	rish/chicken: Salmon, Pollock, chicken, turkey Coating/seasoning: Conflakes, rice krispies, bran paprika, oregano, chilli	n flakes,	6	Osteoporosis		/ lack of calcium/vitamin D bones making them fragile ak.
	Factors affecting	Many things effect the types of food that we choose to eat. Sometimes the type of food that we choose to eat can lead to an unbalanced and harmful diet. Availability, food access and cost can impact choice. Religious and	4	Cheesecake	Type of biscuits: Gingernuts, digestives Filling flavour, Lemon, blueberry. decoration: lemon slices, blueberry cluster, choco decoration, strawberry fans, roses.	olate	7	Antioxidant	protect your body's ce	al substances that help ells from damage. rotective shields that stop or
4	food choices	environmental reasons can limit what we choose to buy.	5	Taco Bowls	Using tortilla to make taco bowl. Seasoning, oiling and spice measuring on bowl a Use of beans, lentils, protein.	and dips.	8	Well-being		ell, feeling positive. Includes ealth and high self-esteem.
5	Eating Disorders	An eating disorder is a serious mental health condition where a person develops an unhealthy relationship with food, eating, body shape, or weight. It can affect anyone — no matter their age, gender, or background.		Curry	Marinating, tenderising, use of authentic, tradition spices. Cooking techniques, temperature control chicken.		9	SMEE Issues	Social, moral, ethical c e.g. Organic, Halal, Fo veganism	and environmental issues ir trade, farm assured,
6		There are many stage of life that humans experience. Each	6		Appropriate vegetable selection		10	Symptoms	A physical or mental fe condition or disease.	eature that points to a
•	Nutrition in life stages	stage requires certain nutrients to do a job in the body. E.g. Toddlers require calcium for bone development.	7	Spring Roll	Baking rather than deep frying to reduce fat con Selection of vegetables as filling. Adding authent selection.		11	Calorie	The amount of energy measured in calories	in an item of food or drink is
7	Exercise	Required to burn off the foods we consume. Input v output should be equal for good health		Pizza Bites	Passata / pesto used to go towards 5 a day. Cheese grated to limit fat content. Grated carrot and other vegetables. Aubergine / sweet potato		12	Food Provenance		om, how it's produced, and e journey food takes — from
8	Animal Welfare	Where animals are reared in a safe, happy and secure environment. They are not mistreated.	8	文文	instead of bread	1		Battery Eggs	come from hens kept i large, crowded sheds.	n small wire cages, often in Poor care and feed.
	Think how else does food effect our lives. Research benefits of cooking for yourself. Can you think of any other new words you've learnt in this project?									

D	esign and Techn	ology: Textiles	Typography Project			Ye	ear 9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF		
	Techniques	and Processes		Ke	y Vocabulary		Contextual links/Key names			
1	Block Printing	The process of creating a printing block, applying a layer of ink with a 'brayer' and transferring a design onto paper or fabric.		Typography	Typography is the art and technique of arranging type to make written language legible, readable and appealing when displayed.	1	Typography	Typography and Textile Design are linked through their shared focus on pattern, communication and cultural expression. Surface pattern designers create repeating patterns that are applied to various		
			2	Annotation	Text accompanying images/practical work which explains, describes and justifies.			products and surface wrapping paper, clotl stationary, and much	ning, upholstery,	
2	Free machine embroidery	Using a free machine foot on the sewing machine to achieve free	3	Motif	A motif is a recurring fragment, theme or pattern that appears in a work of art.	2	People Powered Press	The People Powered I based arts project in S one of the largest prin		
		motion sewing which creates designs and patterns.	4	Mixed Media	Mixed media art refers to a visual art that combines a variety of media in a single artwork. For example, pencil, paint, collage, ink or fine liner etc.			world and focus on er community in creative printing projects. The f make art accessible fo	e and collaborative PPP have a mission to	
3	Lamination	The process of arranging various materials between layers of plastic	5	CAD	Computer Aided Design is the use of a range of computer software to support the creative/design process of products.	3	Morag Myerscough	and designer. She cre scale installations that spaces. Her work is bo	transform publiculd, colourful and	
	Elick	and applying heat to seal together the layers and create an interesting design.	6	Repeat Reflect Rotate Half drop repeat	Occurs multiple times A mirror image Move in a circle round an axis Staggering the repeat of an image along a vertical line			geometric. She uses of typography/lettering and phrases. She often collaborate communities to co-cre installations in schools and in urban spaces.	and uplifting words s with local eate site-specific	
4	Digital Repeat patterns	An image which is repeated multiple times to create interesting	7	Justification	Presenting a reason, fact or opinion for your choices or actions	L				
		patterns. Repeats are mirrored, aligned and repeated to create surface pattern.	8	Inspiration	The process of being influenced or stimulated to do something creative	3	Template	A guide used to ac a material	curately measure/cut	
				Tools	and Equipment	4	Free machine foot	A circular foot allov sewing in all direction		
5	Hand drawn Repeats	The process of creating a motif and repeating to create a block repeat design.	1	Laminator A	machine used to provide protection and durability by sealing locuments, pictures or materials between two layers of plastic.	5	Feed dogs		ges which guide the ewing machine. They ME.	
			2	S	'roller' that applies a fine, evenly oread layer of ink to a printing block.	6	Cotton materia	Woven natural soft from the cotton pla	material which comes int	

Suk	oject: Performin	g Arts Topic: Blood Brothers				Year Group: 9			BECKFOOT POP		
Ва	ckground Info	rmation	Drama Rehearsal techniques					Pe	rformance a	nd Stagecraft Skills	
1	Playwright	Willy Russell		Leading		Choosing a part of the push furthest forward (e				G – Gesture S – Stance	
2	Setting	Liverpool - 1960s	1	Body Parts	nose) to d	communicate			Physical	P – Posture & body language	
3	Plot	Twin brothers are separated at birth; one raised in wealth and the other in poverty. Their		Seven Levels of Tensions	muscles	stages of tensi			Skills	E – Expression E – Eye contact D - Dynamics	
		lives cross paths when they become friends, unaware of their true relationship.	2		 Exhausted – Jellyfish Laid back – Californ Neutral – No story Alert – Mr Bean, curi 		ian ous.		Vocal	D – Diction & Projection E – Emphasis & Volume	
Ch	Characters Mrs Lyons • A wealthy woman. • Doesn't work.				 5. Suspense – "Is there bomb?", Melodrar 6. Passionate – "There bomb!", Opera. 7. Tragic – "The bomb 		a. is a	2	Skills	P – Pitch A – Accent R – Rhythm T - Tone	
1		Married to a wealthy businessman.Can't have children.		Split Scene	to go Switching	o off!", Petrified g between tw	0		B – Blocking E – Entrances and exit P – Proxemics L – Levels	E – Entrances and exits P – Proxemics	
2	Mrs Johnstone	 A single Mother of 7 children. Mickey and Edwards biological mother. 	3		events ho same tim	rhich represer appening at t le. the different th	he	3	Stagecraf t Skills	L – Levels A – Audience awareness C – Concentration E – Energy	
	Eddie	Works as a cleaner.Son to Mrs Lyons (wealthier)Biological mother is Mrs		Alley	of a char	acter out loud of an argume	, usually			S – Set and props interaction	
3		Johnstone .	Stan	Stanislavski's Drama Techniques							
4	Mickey	 Has a great education. Son to Mrs Johnstone (poorer) Has 6 siblings that he lives with.	1	Magic 'IF'					ito the mindse if I was in this	et of the character s situation?'	
		Poor education				1. Who am I					
5	Sammy	Mickey's older brotherInvolved in crime	2	Seven Que	stions	3. What time 4. What do I	e is it? want?				
	Linda	Eddie and Mickey's childhood friend.Lives in the poorer part of		6. H		5. Why do I want it?6. How will I get what I want?7. What must I overcome to get what I want?				ś	
6		Livers in the pooler part of Liverpool. Marries Mickey when she is older	3	Given Circumstan	ces		ation about the character and their history. It also es the time period and location.				

		English				Of Mice and Men Year Group: 9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF		
		Plot Summary				Characters			
1	What happen s in Ch 1?	George & Lennie are on their wa start work as labourers at a ranch They camp outside and they talk their dream of getting a place of	about	1	i	he protagonist. Introduced as a smart but modest character, he is compassionate and feels a huge sense of responsibility where Lennie concerned. George is a moral person who has to make difficult lecisions. 5 Crooks Crooks is the only black man on the rank the is intelligent and proud but battles we excited by the idea of buying land with	h Ioneliness. Like Candy, he is		
2	What happen s in Ch 2?	 own and living off the land. George & Lennie arrive at the rar start work. They meet the boss and most of the land. 		2	H	ighly dependent on George to take care of him. He looks to George or guidance and reassurance and although he is a kind person he	antagonist of the novella. Curley is a cruel, insensitive man who ys picking fights with people. He is insecure about his height and n starts fights with those who are bigger than him to prove a point. bugh recently married he doesn't try to understand or care for his		
	21	other characters on the ranch; the don't have a good feeling about place but decide to stay. George tells Lennie where to hide	the	3	r	natural leader and an intelligent man who others listen to and espect. He is highly skilled and is the only other character who fully naterstands the decisions George has to make. 7 Curley's Wife The only woman on the ranch, she is lon appears to be searching for her husban company.			
3	What happen	gets into any trouble. George confides in Slim, explaining they had to leave Weed because	ig that	4		he eldest of the ranch workers, Candy lost his hand in a farm accident. He cleans the ranch and is dependent on his old dog for company. A lonely character who is delighted by the idea of being lible to buy a patch of land with George, Lennie & Crooks.	Candy into agreeing to have		
	woman accused Lennie of rape. Carlson pressurises Candy into having his				•	Context Key Voc	Key Vocabulary		
		dog shot; a depressed Candy fin hope again when he hears abou George and Lennie's plans, offer give money to join them in buying house.	t ng to	1	The Great Depression	In 1929 the American stock market crashed meaning that the value of businesses dropped suddenly. Lots of these businesses had to close down and many people lost their jobs. People couldn't pay back the money they owed to the banks and as a result lost their homes. Many people lived in poverty.	A short novel.		
		Slim's dog has puppies, Lennie is one to keep. Curley starts a fight with Lennie a ends up with a crushed hand.	·	2	Migrant Workers	During the Great Depression many farmers lost their jobs, they had borrowed money from the banks to buy farms but couldn't give the money back when the banks asked for it. This meant that many of these farm workers had to find work elsewhere, travelling around for temporary work, usually alone. 2 Itinerant workers	I I		
4	What happen s in Ch 4?	The ranch workers have gone ou evening. Crooks, Candy, Lennie and Curle stay at the ranch.	y's Wife	3	The American Dream	In the 1800s many people saw America as a place to start a new life and settle on empty land (at this time most of western America hadn't been explored). Many people believed they could be their own boss and make their own fortune. This was the American Dream.	worker travels around a region, working for		
		Lennie goes to see Crooks in his halong with Candy, the three of the share a dream about getting a progether.	of them	4	Women in 1930s	Women weren't treated in the same way as men, they were expected to obey their husbands. Their job was to be a good wife and stay at home looking after the children.	short periods in different places.		
		Curley's Wife joins them but she is welcome; Crooks asks her to leave				Themes	piaces.		
		she threatens him saying she will him of rape if he is rude to her. • Lennie accidentally kills one of the puppies, unaware of his own stre	€	1	Dreams	Many of the characters have dreams about what they would like to achieve if they had the opportunity. George and Lennie dream about having their own plot of land and Curley's Wife dreams of being an actress. Toreshadowing	To be a warning or an indication		
5	What happen s in Ch 5?	Lennie tries to bury the puppy dis in the barn. Curley's Wife sees Lennie and ask he is doing.	·	2	Loneliness	The majority of the characters are battling with loneliness. The men on the ranch have no family and workers usually travel alone. Curley's wife is constantly searching for company and Crooks feels lonely because he is given his own hut, separated from the others.	of a future event.		
	What	They have a conversation and sh confides in Lennie saying that her husband isn't nice. George realises he needs to find		3	Death	Death features in every chapter of the novella; it is a part of life on the ranch and nobody can escape it. Lennie is often involved in the deaths suggesting that he is dangerous. His accidental killing of the puppy can be seen as foreshadowing Curley's Wife's death.	A powerful or recurring		
	happen s in Ch 6?	George realises he needs to find first. He knows that Lennie is extremely vulnerable and makes a hard de Slim is the only other character w understands George's decision.	cision.	4	Prejudice	Crooks faces the most prejudice on the ranch because he is a black man. Black people were separated from white people in schools, prisons and hospitals in 1930s America. Candy also faces prejudice because of his age and disability whilst Curley's Wife experiences prejudice because she is not staying at home like a woman was expected to do. She is judged for talking to the men on the ranch.	idea in a novel.		

Su	bject:	Fren	ch			Kno	wledge (Orgo	aniser			Year 9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF	
	Pres	ent Tens	se		Perfect Tense				Future Tense – I	will		Conditional Tense – I wo	uld like to	
1	Je suis		l am	1	J'ai été		I have been	1	Je serai	be	1	Je voudrais être	be	
2	Je sors		I go out	2	Je suis sorti	i(e)	I went out	2	Je sortirai	go out	2	Je voudrais sortir	go out	
3	Je fais		l do/make	3	J'ai fait	(-,	I did/made	3	Je ferai	do	3	Je voudrais faire	do	
4	Je vais		I go	4	je suis allé((e)	I went	4	J'irai	go	4	Je voudrais aller	go	
5	Je joue		I play	5	J'ai joué		I played	5	Je jouerai	play	5	Je voudrais jouer	play	
6	Je prend	ds	I take	6	J'ai pris		Itook	6	Je prendrai	take	6	Je voudrais prendre	take	
7	Je renco		Imeet	7	J'ai rencor	ntré	Imet	7	Je rencontrerai	meet	7	Je voudrais rencontrer	meet	
8	Je manç	ge	l eat	8	J'ai mange		l ate	8	Je mangerai	eat	8	Je voudrais manger	eat	
9	Je bois		l drink	9	J'ai bu		I drank	9	Je boirai	drink	9	Je voudrais boire	drink	
10	Je passe	9	l spend	10	J'ai passé		I spent	10	Je passerai	spend	10	Je voudrais passer	spend	
11	Je trava	iille	l work	11	J'ai travail	lé	l worked	11	Je travaillerai	work	11	Je voudrais travailler	work	
12	Je voya	ge	l travel	12	J'ai voyag	ıé	I travelled	12	Je voyagerai	travel	12	Je voudrais voyager	travel	
13	Je vois		l see	13	J'ai vu		l saw	13	Je verrai	see	13	Je voudrais voir	see	
14	Je dors		l sleep	14	J'ai dormi		I slept	14	Je dormirai	sleep	14	Je voudrais dormir	sleep	
15	c'est		it's	15	c'était		it was	15	ce sera	it will be	15	ce serait	it would	
		ll y a			Imperf	ect Te	nse			Structures	with in	finitives		
\vdash	ll y a	There	e is/are	1	J'étais	I wa	ıs/I used to	1	J'aime aller/fair	re	l lik	ke going/doing		
2	II y avait	There was/	e were	2	J'avais		d/I used to	2	Je n'aime pas d	aller/faire	ller/faire I don't like going/doing		g	
3	II y aura	There	will be			hav		3	il faut aller/joue	r	you have to go/play			
	lly	1	e would	3	C'était	It wo			on peut/doit all		+			
	aurait	be		4	il y avait	ther	e was/were	4	on peul/doif dil	U I	you can/must go			

Sub	ject:	Fren	ch
-----	-------	------	----

Knowledge Organiser

Year 9

BECKFOOT SCHOOL POPULATION OF THE POPULATION OF

	Sentence	Starters
1	je pense que	I think that
2	je crois que	I believe that
3	à mon avis	in my opinion
4	selon moi	in my opinion
5	je dirais que	I would say that
	Signposting T	ime Frames

Connectives 1 et and 2 ou or 3 où where 4 parce que because 5 car because 6 mais but 7 en revanche however			
1	et	and	
2	OU	or	
3	οù	where	
4	parce que	because	
5	car	because	
6	mais	but	
7	en revanche	however	
8	de plus	furthermore	
	·	·	

Intensifi	ers			Adjective	s	
un peu	a bit		1	célèbre	famous	
assez	quite		2	rapide	quick	
surtout	especially		3	passionnant	exciting	
vraiment	really		4	sain	healthy	
beaucoup	much/ a lot		5	malsain	unhealthy	
en général	generally		6	bien-payé	well-paid	
carrément	totally		7	fatigant	tiring	
plutôt	rather		8	cher	expensive	
	un peu assez surtout vraiment beaucoup en général carrément	assez quite surtout especially vraiment really beaucoup much/a lot en général generally carrément totally	un peu a bit assez quite surtout especially vraiment really beaucoup much/a lot en général generally carrément totally	un peu a bit 1 assez quite 2 surtout especially 3 vraiment really 4 beaucoup much/a lot 5 en général generally 6 carrément totally 7	un peua bit1célèbreassezquite2rapidesurtoutespecially3passionnantvraimentreally4sainbeaucoupmuch/a lot5malsainen généralgenerally6bien-payécarrémenttotally7fatigant	

	Signposting Time F	rames
1	l'année dernière	last year
2	la semaine dernière	last week
3	de bonne heure	early
4	ce matin	this morning
5	cet après-midi	this afternoon
6	ce soir	this evening
7	la semaine prochaine	next week
8	l'année prochaine	next year
9	dans l'avenir	in the future

	Frequency	Y
1	tout le temps	all the time
2	de temps en temps	from time to time
3	une fois par semaine	once a week
4	deux fois par mois	twice a month
5	nejamais	never
6	d'abord	firstly
7	souvent	often
8	quelquefois	sometimes

	/	carr	ement	totally		/ tatigant		firing				
	8	plut	ôt	rather		8 cher		expensive				
				Describe Mys	elf	and	and Others					
	1 beau/belle						ındsome/bea	ıutiful				
		2	joli/jolie			pr	etty					
		3	vieux/vie	eille		olo	d					
		4	heureux	/heureuse	hc	happy						
		5	travaille	ur/travailleuse		hc	hardworking					
		6	lunatiqu	е		m	moody					
		7	égoïste			se	selfish					
		8	pénible			ar	annoying/a pain					
İ		9	affreux/	affreuse		av	vful					
		10	marrant	/marrante		fui	nny					
		11	drôle			funny						
	12 malade						ill					
-												

'												
	Fancy Phrases											
1	je l'ai trouvé génial	I found it great										
2	je me suis bien amusé(e)	I really enjoyed myself										
3	j'ai tellement hâte	I'm really looking forward to it										

Sı	ubject: Geo	graphy	Topic: Russi	a				Year Gro	oup: 9	BECKFOOT SCHOOL POPULATION OF	
Α.	. Across Russia			С	. Melting perm	afrost	E.	Chernobyl c	disaster		
1	Location	times the size o	e and northern rgest country in htly less than 1.8 f the United	1 Permafrost About a quarter of the entire northern hemisphere is permafrost, where the ground is frozen year-round.				Location	In eastern Europe in the country of Ukraine. Now an independent country, in 1986 the Ukraine was part of the Soviet Union.		
		States, with a to 17,075,200 sq. k mi).	ofal area of cm (6,592,771 sq.			It's widespread in the Arctic regions of Siberia, Canada, Greenland, and Alaska—	2	The Chernob yl	26th of April 1986, en running safety tests of Chernobyl nuclear p	at the	
2	Bordering countries	Russia has bour countries: Norw Estonia, Latvia, Poland (via the Oblast), Belarus Georgia, Azerb Kazakhstan, Ma People's Repub	vay, Finland, Lithuania, Kaliningrad s, Ukraine, paijan, pngolia, the			where nearly 85 percent of the region sits atop a layer of persistent permafrost. However, global warming is rapidly thawing this frozen landscape.		disaster	There were four reactors at the station and they were testing reactor number four. During one of the tests something went wrong and there was a massive power surge which mea that the reactor gave out more power than normal and caused		
	and North Korea.				Climate	With global warming causing temperatures			explosion of the nucl		
B.	B. Russia's landscape 1 Physical Much of Russia is under snow for up to 8 months a year. The tundra and sub-Artic			change	around the world to increasing, permafrost is thawing in many Arctic regions. This is causing a number of severe local and global problems.		impacts	29 people died withi explosion, however t from radiation being unknown, 600,000 pe to the radioactive m later diagnosed with	he impacts released is eople exposed aterial were		
		climate zones have permafrost where there is frozen soil below the ground which stays frozen even in summer. In parts of Siberia, the permafrost is over 1 km thick.		L				Putin's Russic	מ		
				NOR Sockho	Russia Saisberger (Monking) Barents Sea Murmansk Novo Zenii	Spitsbergen (Monway) Arctic Ocean Barents Sea FIN. Murmansk Novsya Zenilya		Superpow er	A country that has the ability to exert its influence and power through economic or military means at anytime.		
				•	St. Petersburg Nizhniy Novgorod loscow Volga Perm Penza	Venisey R U S S I A S I D B I S B OK OKHOLSK	2	Crimea	The Republic of Cri part of Ukraine, lies stretching out from	s on a peninsula the south of	
2	Physical landscape	Russia has a vo Mountain rang temperate fore taiga.		snodar Groza Ca	J	Moyokiznetsk Idutsk Ulan Udan Udan Work I Mongo Li A			Ukraine, to the eas Russia. Crimea has conflict with Russia independence for	been in over its	

Subject: Geo	graphy	Topic: Russia		Year Group: 9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF			
1) Climate	humidity, precipi	ions of a region, as temperature, air pressure, vitation, sunshine, cloudiness, and winds, year, averaged over a series of years.	10) Steppe	A large area of flat un-forested grass eastern Europe or Siberia.	<u> </u>			
2) Boreal Forest		erized by coniferous forests consisting mostly of and larches. The taiga or boreal forest is the and biome.	11) Taiga	11) Taiga The swampy coniferous forest of high north latitudes, especially that between the tundent and steppes of Siberia.				
3) Tundra		where the tree growth is hindered by low nd short growing seasons, the subsoil in the nently frozen.		and steppes of siberia.				
4) Permafrost	more years, local does not have to	ound that continuously remains frozen for two or ated on land or under the ocean. Permafrost to be the first layer that is on the ground. It can wer miles deep into the Earth's surface.	12) Radiation	The emission of energy as electromagnetic waves.				
5) Communism	owned by the c	em of social organization in which all property is community and each person contributes and ding to their ability and needs.	13) USSR	The soviet union, officially the union of soviet socialist republics, was a federal socialist state is northern Eurasia that existed from 1922 to 1991 and was the largest country in the world.				
6) Nuclear Power	electric or motiv	ve power generated by a nuclear reactor.						
7) Mutation	form that may b caused by the c	f the structure of a gene, resulting in a variant per transmitted to subsequent generations, calteration of single base units in DNA, or the pen, or rearrangement of larger sections of genes es.	14) Crimea	Crimea lies on a peninsula stretching out from the south of Ukraine, to the east of Crimea is Russia.				
8) Superpower	•	nas the ability to exert its influence and power mic or military means at anytime.	15) Puliu					
9) Emerging power	recognition of th	ower or rising power is a term used as ne rising, primarily influence of a nation—or —which has steadily increased their presence	15) Putin	The current president of Russia.				

Su	bject: Ger	man				Knowled	ge C)rganiser			Υe	ear 9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF	
	Present Tense			Past Tense				Future Tense – I will			Conditional Tense – I would like to			
1	ich gehe	Igo	1	ich bin ge	gangen	I went	1	Ich werde gehen	go	1	Icl	h möchte gehen	go	
2	ich fahre	I travel	2	ich bin get	fahren	I travelled	2	Ich werde fahren	travel	2	Icl	h möchte fahren	travel	
3	ich lese	Iread	3	ich habe g	gelesen	Iread	3	Ich werde lesen	read	3	Icl	h möchte lesen	read	
4	ich mache	I do/make	4	ich habe g	gemacht	I did/made	4	Ich werde machen	do/mak	4	Icl	h möchte machen	do/make	
			5	ich habe g	gewohnt	Hived			е	5	Icl	h möchte wohnen	live	
5	ich wohne	Hive	6	Ich habe g	gesehen	Isaw	5	Ich werde wohnen	live		Icl	h möchte sehen	see	
6	ich sehe	Isee	7	ich habe v	verdient	l earned	6	Ich werde sehen	see	7	_	h möchte	earn	
7	ich verdiene	l earn	8	ich habe s	tudiert	I studied	7	Ich werde verdienen	earn] L		erdienen	editi	
8	ich studiere	l study	9	ich habe g	gehört	l listened	8	Ich werde studieren	study	8	Icl	h möchte studierei	n study	
9	ich höre	Histen	10	ich habe g	gekauft	l bought	9	Ich werde hören	listen	9	Icl	h möchte hören	listen	
			11	ich habe		l slept	10	Ich werde kaufen	buy	10	Icl	h möchte kaufen	buy	
10	ich kaufe	Ibuy]	geschlafe	n		11	Ich werde schlafen	sleep	11	Icl	h möchte schlafen	sleep	
11	ich schlafe	l sleep	12	ich habe g	gegessen	l ate			<u> </u>	12	Icl	h möchte essen	eat	
12	ich esse	l eat]				12	Ich werde essen	eat		+.,		 	
13	ich bleibe	l stay	13	ich bin gel	blieben	l stayed	13	ich werde bleiben	stay	13	ICI	n möchte bleiben	stay	
14	ich schwimme	Iswim	14	ich bin geschwon	nmen	l swam	14	ich werde schwimmen	swim	14		n möchte hwimmen	swim	
	There is			Imperfect Tense				Modal Verbs			•	Connecti	/es	
1 6	es gibt There	is/are	1 ic	ch war I was/I used to be			1	1 man muss + infinitive you mu			1	auch al	so	

	There is							
1	es gibt	There is/are						
2	es gab	There was/were						
3	es wird geben	There will be						
4	es gäbe	There would be						

L	geschwommen								
	Imperfect Tense								
1	ich war	I was/I used to be							
2	ich hatte	I had/I used to have							
3	es war	It was							
4	ich konnte	I could							
5	ich durfte	I was allowed							

	Modal Verbs								
1	man muss + infinitive	you must 							
2	man darf + infinitive	you are allowed							
3	man kann + infinitive	you can							
4	man soll + infinitive	you should 							

	möchte nwimmen	swim				
Connectives						
1	auch	also				
2	oder	or				
3	mit	with				
4	ohne	with	out			
5	weil	bec	ause			
6	jedoch	how	ever			

Su	1 200/ect. Gettigit Kilowiedge Otgatiset Teat / 1 amount						BECKFOOT SCHOOL POPULATION OF THE POPULATION OF									
Sentence Starters				Question Words Intensifiers				Adjectives								
1	Meiner Ansicht nacl	h in my opinion	1	wer	who		1	vie	el	many	1 [1	behrühmt	famo	ous	
2	Meiner Meinung nach	in my opinion	2	was	what		2	ZU	<u> </u>	too	ΤΓ	2	bescheiden	mod	est	
3	Ich würde sagen,	I would say	3	wani	n when		3	+	drem	extremely	$+ \lceil$	3	erfolgreich	succ	essful	
	dass	that	4	wo	where		3			,		4	reich	rich		
	Signposting Tim	ne Frames	5	waru	why		4	zie	emlich	quite	┨┌	5	glücklich	happ	у	
1	letztes Jahr	last year]	m			5	se	hr	very		10	sauber	clea	า	
2	letzte Woche	last week	6	wie	how	_	6	nic	cht	not	1 [11	stark	stron	9	
3	gestern	yesterday	7	wie viel	how much		7	nu	Jr	only	1	12			taining	
4	normalerweise	normally		VICI	1110011	<u> </u>		<u> </u>		<u> </u>	┇	13	altmodisch	old fo	old fashioned	
6	heute	today				Fr	requency			┨┞	14	kitschig	corn	/		
7	nächste Woche	next week	1	_	mer		always		┨┞	16	gemein	mea				
8	nächstes Jahr	next year	2	_	o und zu				now an	nd then	┨┞	17	neu	new		
7	9 in der Zukunft in the future		3	of					often		┨┞	18	einfach	easy		
	Comparatives &		4					first of c		┨┞	22	streng	strict			
		petter/best	5	-	·	nal pro Woche once a week			┨┞	24	bunt	colo	urful			
2		icher/richest	6	nie			never			┦┢				51101		
3		oigger/biggest	7	-	anchmal		sometimes		┥┡		Prepos					
4		older/oldest	8	-	eimal pro Ja	hr	<u>r</u> t		twice a year		┨┞	-	unter .	unde	r	
5		smaller/smallest	9	se			S		since/for		┨┞		auf	on		
6	6 jünger/jüngste younger/youngest 10 je		je	tzt now		╛┝		zwischen	betw							
	Fancy Phrases 5 vor in front of							nt of								
1	Das hat Spaß ger	macht / Das wird Spa	ß mach	nen	That was f	That was fun / That will be fun				6	hinter	behii	nd			
2	Es hat sich gelohr	 nt			It was wor	It was worth it		1 L	7	neben	next	to				
3	Ich freue mich do	arauf!			I am lookir	I am looking forward to it			1 L	8	gegenüber	oppo	osite			
4	Ich habe es toll g	efunden			I found it g	I found it great] [9	mit	with					





1. How did the Nazi's gain control over Europe by 1940?

Subject: History

countries?

Hitler gain

How did

control

Europe?

over

What

Pearl

the

Pearl

2

Harbour?

What was

impact of

Harbour?

How did

the US

WW2

war?

entry to

affect the

happened

at Dunkirk?

- Why did 1. Before WW2 broke out Hitler tried to get land Hitler take back that Germany lost after WWI 2. He also wanted to gain more power and 'living over other
 - space' for the German speaking people
 - 1. Germany was prepared for war as it had been training its military since 1935 2. Britain and France had not been training as they were trying to avoid war

1. When the Germans took control of Calais (in

2. Britain launched Operation Dynamo to rescue

3. It was a heroic event but still a loss for the allies

4. The French surrendered to the Germans in June

- British soldiers and equipment were lost

France) in 1940, around 400,000 allied troops

- 3. Germany used Blitzkrieg methods to quickly take control over Poland, Norway, Denmark, Belgium and France

3

How was

Britain

under

threat?

Why did

win the

Britain?

What

was the

impact

of the

British

What

importa

about

Battle?

was

nt

the

victory?

the British

battle for

2. He aimed to invade using his air force – the Luftwaffe 1. The British planes, such as the Spitfire and

1. After France surrendered Hitler planned an

Hurricane, were better than the German planes 2. The British used a combination of radar, antiaircraft guns, fighter pilots and careful planning to defend against the German bombers

3. The British were supported with pilots from

from turning his attention to the East

- around the world especially Poland 1. There was a lot of damage done to many
- cities, homes and facilities in Britain 2. Prime Minister Churchill presented the event as a big victory 3. It was a morale boost for the British as they had

survived a German invasion and stopped Hitler

3. How did the attack on Pearl Harbour affect the war?

1940

country

Nagasaki in 1945

them weakened

were stranded

over 330,000 troops.

- Why did 1. Japan wanted to expand its territory in the Japan Pacific. attack
 - 2. As this threatened the US territories, the US put an oil embargo on Japan 3. Japan saw this as a threat and attacked Pearl
 - Harbour to strike first before the US were ready
 - The US joined WW2 by declaring war on Japan
 - 2. This meant that the US also declared war on the other Axis powers 3. This helped the Allied forces as they now had the

1. After the US entered WW2, Japan's advance

- army, supplies and funding of another powerful
- into Asia and the Pacific was stopped. 2. Japan began to lose significant battles
- A weakened Japan was defeated after the US dropped two nuclear bombs on Hiroshima and 4. This eliminated one of Germany's allies and left

4. How did the Battle of Stalingrad affect the war?

2. How did the Battle of Britain affect the war?

invasion of Britain

- What 1. Germany invaded the USSR in June 1941. 2. At first they had success in defeating the Russians, was the Battle however as Winter arrived, their victory slowed of 3. Stalingrad was a city that the Russians were keen Stalinar to defend because it was a symbolically ad?
 - important city 4. The battle lasted from August 1942 to February 1943 and ended with Russian victory
 - 1. The Battle of Stalingrad was a big morale boost for the Russians and a morale loss for the Germans 2. It allowed the Russians to start attacking the Germans and forcing them to retreat back to Germany.

3. This allowed the Russian forces to meet up with

the other Allied forces in Germany in 1945

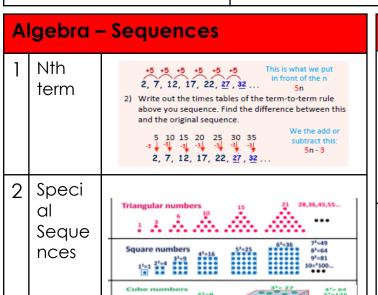
- **Definitions** Key
 - Word Allied The alliance of Britain, France,
 - forces China, the USSR and the USA during WW2 Axis
 - The alliance of Germany, Japan powers and Italy during WW2
 - Blitzkriea 'Lightning war' – the word used to describe the German tactic of using intense concentrated
 - attacks from land and air. Short for Blitzkrieg, Blitz the term 'the Blitz'
 - refers to German bombing of civilian targets in Britain A refusal to trade in **Embargo** a particular item.
 - often done for political reasons An area where armed Front
 - forces engage in fighting The German air force Luftwaffe
 - The confidence of a Morale aroup of people.
 - A system to detect
 - **RADAR** approaching aircrafts. A time in which when **Turning** a decisive change Point occurs

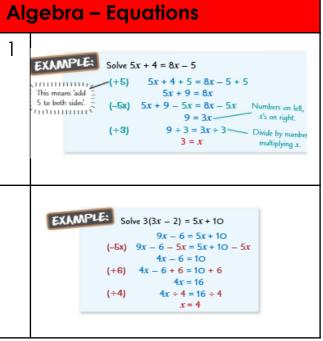
Subject: Maths

Term: Half Term 2 - September

Year Group: 9

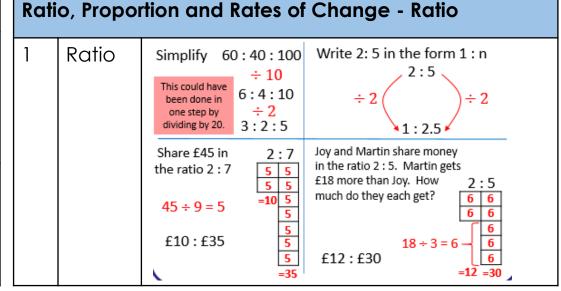






K	Key Vocabulary						
1	Geometric Sequence	In a Geometric Sequence each term is found by multiplying the previous term by a constant.					
2	Estimate	To find a value that is close enough to the right answer, usually with some thought or calculation involved.					
3	Surd	When we can't simplify a number to remove a square root (or cube root etc) then it is a surd . Example: √2 (square root of 2) can't be simplified further so it is a surd .					

N	umber –	Rounding and estimating
1	Rounding	If the tenths digit is 1, 2, 3 or 4, we round down to the nearest whole number. If the tenths digit is 5, 6, 7, 8 or 9, we round up to the nearest whole number. If the tenths digit is 5, 6, 7, 8 or 9, we round up to the nearest whole number. If the hundredths digit is 1, 2, 3 or 4, we round down to the nearest tenth. If the hundredths digit is 5, 6, 7, 8 or 9, we round up to the nearest tenth.
2	Estimating	Estimate the value of $\frac{127.8 + 41.9}{56.5 \times 3.2}$, showing all your working. 1) Round all the numbers to <u>easier ones</u> $\frac{127.8 + 41.9}{56.5 \times 3.2} \approx \frac{130 + 40}{60 \times 3}$ $\frac{-1 \text{ or } 2 \text{ s.f.}}{56.5 \times 3.2} \text{ vally does the trick.}$ 2) You can <u>round again</u> to make later steps easier if you need to. $= \frac{170}{180} \approx 1$





Year Group: 9 – Half term 2



1.	1. Baroque Period					
1	Baroque	Era of music from 1600-1750				
2	Composers	Bach, Pachelbel, Vivaldi, Handel				
3	Baroque Instruments	Harpsichord, Organ, Violin, Cello, Wooden Flute				
4	Terraced Dynamics	Sudden changes in the volume level, sometimes creating an echo effect				
5	Basso Continuo	A form of musical accompaniment. It means "continuous bass". A bass line played by the left hand and doubled on the other bass instrument.				
6	Harpsichord	a keyboard instrument where the strings are plucked rather than hammered.				

2. (2. Classical Period					
1	Classical	Era of music from 1750- 1820				
2	Composers	Mozart, Beethoven, Haydn, Schubert				
3	Classical Instruments	Strings, woodwind, brass and percussion all used				
4	Homophonic Accompaniment	One line of melody played by all instruments at the same time. Sounding together				
5	Alberti Bass	A type of arpeggio, or 'broken' chord, in which the notes of the chord are played in the order lowest, highest, middle, highest.				

3.	3. Compositional Techniques						
1	Imitation	Repetition of melody in a different voice (Different instrument)					
2	Canon	A melody with one or more imitations of the melody played after a given duration					
3	Ornamentation	Musical flourishes such as a trill (rapid playing of a notes and the one above it)					

	4. Key vocab Musical forms					
1	Binary	(AB)- where the music has two clear sections				
2	Ternary	(ABA)- where the music has two sections then returns to the first section				
3	Rondo	(ABACA)- where the music has one sections which keeps returning and is sandwiched between lots of different sections				

-	5.Key Vocab Musical elements					
1	Melody	The main tune, played on instruments or sung.				
2	Chords	Two or more notes played at once.				
3	Broken chords	Notes of chord played individually				
4	Ostinato	Repeating musical phrase				
5	Pitch	High or Low				
6	Dynamics	Volume of music				
7	Texture	Layers of instruments used- Thick or thin				
8	Timing	Playing with the pulse				

Other musical styles linked to this: Romantic, Modern, Renaissance

Subject: RE Unit: Religion, Human Rig					and Social Justice		Year: 9	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF		
Kn	owledge Group 1 – So	cial Justi	ice	Kno	wledge Group 3- Consci	ence		Key word	Definition	
1	What is the teaching of justice?	of social	That all religions should teach and promote	1	What is the conscience mo	ade up	Ration, conscientia and synderesis	Social justice	Is ensuring that society treats people fairly.	
2	What issues are incorp	orated	equality within society Gender, disability, wealth,	2	What is the synderesis princ	ciple?	Do good avoid evil	Human Rights The basic rights and freed that all humans should be entitled to.		
	in social justice?		sexuality, race,	3	Why does Aquinas believe conscience is not the voic		Its infallible and can make mistakes- God	Responsibility	The duty of care not to harm others.	
3	Christians promote soc justice because of whi parable?		The sheep and the goats.	Good?		is perfect so never makes mistakes	Equality	The ideas that all humans are of equal value and status.		
4	Muslims promote socio justice by	lı	Giving Zakat (alms). This is 2.5% of their wealth every year.	4	What 3 parts make up the conscience according to Freud?		ld, Ego and Super Ego	Prejudice	Holding bias about an individual or group without knowing the facts. Acting upon prejudice through behaviour and actions.	
5	The Buddhist teaching promotes Social justice		The right action. If everyone followed this, then there would be no injustice in the world.	5	How does the conscience link to social justice?		Provides guilt over what is wrong and teaches us justice is right	Discrimination		
6	Sikhs believe in the just	ice of	That humankind is equal in	Knowledge Group 4 – Wealth and Exploitation				Freedom of religion	The right to believe or practice whatever religion you choose	
	the brotherhood, this means		spirit and so everyone should be treated equally.	What does religion teach about wealth?				or don't choose.		
Knowledge Group 2 – Responsibility and freedom						responsi	bly.	Freedom of religious	The right to worship, preach and practices one's faith in	
1	Why do religions believe social		ligions promote the duty of for one another and believe				love of money is a root ts of evil'	expression	whatever way one chooses.	
	justice is their responsibility?				Which Bible story teaches about wealth?		v 19:24- The parable of young man	Positive discrimination	Treating people more favourably because they have	

6	Sikhs believe in the just	tice of	That humankind is equal in spirit and so everyone should be treated equally.		wledge Group 4 – Weal	th and Exploitation	Freedom of religion	The right to believe or practice whatever religion you choose								
Ü	the brotherhood, this means				1 What does religion teach about wealth? That wealth is a gift from God and should be used			or don't choose.								
Kno	owledge Group 2 – Re	sponsibi	lity and freedom			responsibly.	Freedom of religious	The right to worship, preach and practices one's faith in whatever way one chooses.								
1	Why do religions believe social		ons promote the duty of one another and believe	2	What does the Bible say about wealth?	'For the love of money is a root of all sorts of evil'	expression									
	justice is their responsibility?		ould model this belief.		Which Bible story teaches about wealth?	Matthew 19:24- The parable of the rich young man	Positive discrimination	Treating people more favourably because they have								
2	Why are human rights important?						ney ensure that everyone has rights and should be treated justly.						What does the Quran	'Tell those who hoard gold	discimination	been discriminated against in the past.
3	What is a religious citizen?	country	ne who is a member of a and has belief. They believe long to both groups as part		say about wealth?	instead of God's cause that they will have grievous punishment'	Exploitation Misuse of power or money to get others to do things for unfair reward.									
		of their i		5	What is exploitation of the poor?	Misuse of power or money for personal gain. It is a type of	Conscience	a person's moral sense of right								
4	What is religious	,	you have the right to		line poory	corruption.		and wrong, viewed as acting as a guide to one's behaviour.								
	freedom? freedon law.		om which is protected by the		What does religion	Exploitation goes against	D (The Charles and the after								
5	What is freedom from religious persecution?		The right to be legally protected if you are targeted due to your eligion.		teach about the exploitation of the poor?	religious teachings on equality. Believers should be active in trying to stop exploitation and helping victims of it.	Preferential option for the poor	The Christian duty of the privileged to side with the poor in solidarity and act against exploitation.								
Y	Social justice is fairness as it manifests in society. That includes fairness in healthcare, employment, housing, and more. In a socially-just society, human rights are respected and discrimination is not allowed to flourish.															



Subject: Science Topic: Ato					omic structure and periodic table (1)						Yeo	ar Group: 9	BECKFOOT POPULATION SCHOOL POPULATION SUCCEED			
The atom Models of the atom							Ke	Key Vocabulary								
1	The atom					1	Pre 1900	ontent v	vith physics) John Dalton- before	1	/	Atom	The smallest unit of matter. Havapprox 0.1nm. Have no overal			
		(8		_	Proton Neutron				Billiard ball		electrons were discovered atoms were tiny solid spheres	2	E	Element	A substance made up of only one type of atom, which cannot be chemically broken into other	
				= Electron		2	1897 Plum pudding	6+0+ 0+0+ 0+0+	JJ Thompson-Ball of positive charge with negative electrons.				substances. Represented by symbols Eg: Na. Approx 100 different elements.			
2	Subatomi c	Name of particle	Relative charge	Relati mass	ve	3	1909 Nuclear	Alpha particle	Ernest Rutherford-Beam of alpha particles directed at	3		Compoun d	A substance made of two or made bonded chemically. These	e atoms are		
	particles	Proton	+1	ı				scatterin g experime	very thin gold foil, most passed through, some				usually, but not always, joined i only be separated into elemen			
		Neutron	0	I				nt	deflected by positive nucleus, few reflected back.	4	+,	Mixture	reactions. Two or more elements or comp	oounds, not		
_		Electron	-1	Very	small			→	Result: positively charged nucleus surrounded by negative electrons.		'	VIIXIUIE	chemically bonded together. Can be separated by physical processes.			
3	7← Li 3←	tass numbe (Total of pro	otons + neu	ıtrons in		4	1913 Bohr	•	Niels Bohr- Electrons orbit the nucleus in fixed shells as specific distances	5	١	Molecule	A group of atoms, usually but not always representing more than one element, joined b chemical bonds. Compounds are typically mo of up molecules.			
	Atomic number (number of protons = no of electrons)				5	Quantum	Electron	James Chadwick- Neutrons exist within the nucleus	6		Mass number	The sum of the protons and net nucleus	utrons in the			
Ele	Electronic structure Practical se					tical separation techniques					Atomic number of protons in the atom. Number of protons = Number of electrons		tom. Number of			
1	Maximum nur		trons in each	n shell	1	veth-	od		Example	8	1	Nucleus	The center of an atom, a region where protons and neutrons are located. The nucleus accounts for the atomic mass. Radius=less than 1/10000			
	Shell 1-2 elec Shell 2-8 elec	trons LEA	IRN TO DRAW T			Filtration-separate insoluble			Separate sand from a mixture			(1x10 ⁻¹⁴ m) of atom				
	Shell 3-8 elec Shell 4-2 elec	trons STR	ST 20 ELEMENTS RCUTURES AS OW EXAMPLES				id from liquid		of sand, salt and sea water		1	Neutron	A subatomic particle that has r in the nucleus.	no charge. Found		
					rom	allisation-sepa solution		Obtain pure crystals of sodium chloride from salt water	10	F	Proton	A positively charged particle in an atom. The number of protons in the nucleus of an atom is the atomic number of an element.				
$\begin{vmatrix} 2 \end{vmatrix}$	2 EXAMPLES Helium-4 2 Use dots or crosses to represent electrons clearly 5				Simple distillation- separate solvent from solution Fractional distillation- separate mixture of liquids with diff bp's			Separate pure water from salt water	11	T E	Electron	A negatively charged particle	in an atom.			
								Separate different compounds in crude oil	12	ı	sotope	Atoms of the same element wi number of protons, however a of neutrons. This means they ho mass number.	different number			
				ons		Chromatography-separate substances(varying solubility)			Separate out the dyes in food colouring		ı	on	An atom or atoms that has lost more electrons, to become a c Eg: Na +			

Subject: Science Topic: Atomic structure a							e ar	nd periodic table (2)					ear Gro	BECKFOOT SCHOOL POPULATION OF THE POPULATION OF							
De	evelop	ments of t	he periodic table		lalf equatio			-	-	ONLY)		Ch	Chemical equations								
1	Before of prof neutro electro	ons,	Newland organised the elements by atomic weight. Some were placed in wrong groups and the periodic table was incomplete	1	Reduction: P gain electron Oxidation: No lose electron	ositive met ns to form n egative no	al ion neutro	ns (cat al ator	tions) ms	Cu ²⁺ + 2 e ⁻ 2Cl ⁻ —> Cl		2	not show	to the No of equations-	react magnesium + Uses symi	ords to show reaction ants → products oxygen → magnesium oxide pols to show reaction					
2	Mende	eleev	Left gaps to fill in newly found	3	Half equation equations to					+ 2Cl ->	Cu +Cl ₂		atoms/m	-		$\begin{array}{c} \text{nts} \rightarrow \text{products} \\ \text{s} + \text{O}_2 \rightarrow \text{2MgO} \end{array}$					
			elements. Knowledge of isotopes explained	Α	.lkali metals (C	Froup 1)		Rea	ctions of All	kali metals (Gr	oup 1)	Tra	ansition r	netals (CHEI	MISTRY	ONLY)					
			why atomic weight	V	ery reactive wit	h oxygen,	\dashv	1	With oxygen	Metal + oxygen →	e.g. 4Na + O ₂ →		Compared	Less reactive,	Cu ²⁺	Blue					
			order wasn't always correct	_ el	water, chlorine -Have 1 electron in outer shell. Form			2	With water	metal oxide Metal + water →	2Na ₂ O		to group I	harder, denser, higher mp's	Ni ²⁺	Pale green (used to make margarine)					
3	arrang	Elements ged in of atomic	Elements with similar properties in groups (columns)- have	g	+1 ions. More reactiv group -Outer negativ electron further from					metal hydroxide + hydrogen	e.g. 2Na + 2H ₂ O → 2NaOH + H ₂	2	Properties	Different ions with diff charges	Fe ²⁺	Green (Use Haber process)					
	numbe		same No of electrons		ucleus so more				With metal chloride	Metal + chlorine → metal chloride	e.g. 2Na + Cl ₂ → 2NaCl			used as catalysts, form coloured	5, Fe ³⁺	Reddish/brown					
	in outer shell AND periods (rows)- have			Halogens (Group 7)			Pec	actions of H	alogens (Grou	0.7)			compounds	Mn ²⁺	Pale pink						
	same number of electron shells				Diatomic molecules (pair				With metals	metals Matal+haloron -> matal e.g		Key vocabulary									
M	etals aı	nd non-met	als	0	of atoms)-7 outer shell					halide e.g. Sodium + chlorine → sodium chloride	outer shell electrons and halogen gains an	1	I I GIIOGIC I		hat shows the elements						
1	Metal s	Left of dark line on periodic table	Form positive ions, conductors, high mp's/bp's, ductile, malleable	g m	electrons, form 1+ ions, Mp's/Bp's increase down group- increasing atomic mass No, decreasing		Mp's/Bp's increase down group- increasing atomic mass No, decreasing		o's/Bp's increase down oup- increasing atomic ass No, decreasing	rease down sing atomic reasing		With hydrogen	Hydrogen + halogen → hydrogen halide e.g. Hydrogen + bromine	outer shell electron e.g. $Cl_2 + H_2 \rightarrow 2HCl$		table	arranged along wit average units) for t	yed in order of atomic number, with chemical symbol and the ge atomic mass (in atomic mass or that particular element.			
2	Non- met als	Right of dark line	Form negative ions, insulators, low mp's/bp's	increasing proton No so electrons gained easier 3 With aqueous Chlorine+potassium e.g. Cl ₂ +2KBr → c.g. Cl ₂ +2KBr → c					increasing proton No so electrons gained easier		increasing proton No so electrons gained easier		increasing proton No so electrons gained easier		increasing proton No so electrons gained easier		e.g. Cl ₂ +2KBr →2KCl	2 Period		Rows of the periodic table of elements. These represent the number of energy levels for electrons in atoms of the elements.	
Noble Alkeli metals gases							a halide	chloride + bromine	+ Br ₂	3	Groups		on the per	iodic table of							
Noble gas Na Mg					nreac	active, do not molecules Due to having full outer shells of electrons			4	numbers of the atoms group 1-1 4 Chemical symbol A one-or to name of company to the symbol Show chemical Show che		ordered according to the of electrons in the outer shells of s of each element Eg: Na-1 electron in outer shell two-letter abbreviation for the an element. Eg; Na (Sodium)									
					1 1 1		crease	e down	ncreasing atom	ic number		equatio	mass state		of conservation of I mass of products = nts						

Subject: Science

Topic: Cells (1)

Year Group: 9





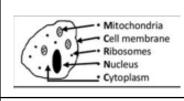
Typical

animal

Typical plant cell

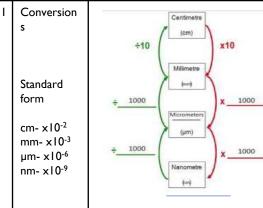
Magnificatio

cell



Mitochondria
Cell membrane
Ribosomes
Nucleus
Cytoplasm
Vacuole
Cell wall
Chloroplasts

Maths Skills (conversions and magnification)

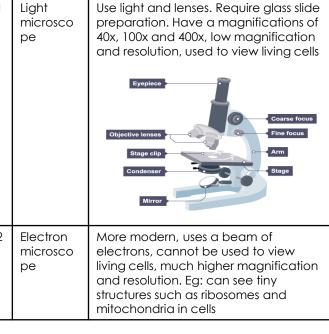


Magnification = image size

object size

(watch out for units)

Microscopes (Required practical)



Specialised cells

30	ecialisea	Cells
1	Specialise d animal cells	Sperm- has a tail with lots of mitochondria for energy to swim Nerve- long to carry electrical impulses Muscle- contracts and relaxes for movement
2	Specialise d plant cells	Root hair-large surface area to absorb minerals and ions Xylem- continuous hollow tube, carry water and minerals Phloem- tubes with sieve like ends connected end to end, carry glucose to cells

A=animal cell only, P= plant cell only, B= both

1	Key V	ocabulary				
	1	Eukaryotic cell	Have cell membrane, cytoplasm and nucleus, eg: animal and plant cells			
	2	Prokaryotic cell	Do not have a nucleus, genetic material is looped, eg: bacteria			
	3	Sub cellular structures	Small structures inside a cell e.g. nucleus			
	4	Nucleus (B)	Controls cell activities, contains DNA			
	5	Cytoplasm (B)	Where chemical reactions take place			
	6	Cell membrane (B)	Controls what enters and leaves the cell			
	7	Cell wall (P)	Made from cellulose fibres. Strengthens the cell and supports the plant.			
╛	8	Mitochondria (B)	Where aerobic respiration takes place			
	9	Ribosomes (B)	Make proteins by protein synthesis			
	10	Chloroplasts (P)	Where photosynthesis occurs. Contains chlorophyll to absorb light			
	11	Chlorophyll (P)	Green pigment used for photosynthesis found in chloroplasts			
	12	Vacuole (P)	Contains cell sap			
	13	Specialised cell	Cells that are modified to carry out a particular function. Found in both animals and plants			
	14	Magnification	How much bigger an image appears than the real object			
	15	Resolution	Ability to distinguish between two very small and closely spaced objects			

Subject: Science | Topic: Cells (2)

Year Group: 9



Mitosis and cell cycle

- Stage-1: Growth-Increase number of subcellular structures ea: mitochondria
- Stage-2: DNA synthesis- DNA replicates forming 2 copies of each chromosome
- Stage-3: Mitosis- Cells divide in stages. Genetic material is doubled, then divided into 2 identical cells. It occurs during growth, repair and replacement of cells. Asexual reproduction occurs by mitosis in plants and simple animals.
- One set of chromosomes is pulled to each end (pole) of the cell and nucleus divides. Cytoplasm and cell membrane divides to form 2 new cells (daughter cells) identical to the parent cell (image)

surface area

pathway

Parent cell Chromosomes make identical copies of themselves Similar chromosomes pair up Sections of DNA get swapped Pairs of chromosomes divide Chromosomes divide

Stem cells

1	Treatment with stem cells may help conditions such as diabetes and paralysis. Uses of stem cells are rejected by
	some due to ethical or religious reasons.

2	Human embryonic stem cells	Can be cloned, differentiate into most cell types	Therapeutic cloning uses same genes- no tissue rejection, infection risk
3	Adult bone marrow stem cells	Can form many types of human cells eg: blood cells	Matching tissue avoids rejection, infection risk, few types of cells can be formed
4	Meristems	Differentiate into	Produces clones

Required Practical - Osmosis

- Independent variable Conc of sugar sol Dependent variable - length + mass of potato cylinders
- Control variables diameter/length of potato cylinders, vol of sol

Calculate: change in mass and change in length

AND % change in mass =

new mass - original mass x100 original mass

Key Vocabulary

Differentiation

	Differentiation	animal cells differentiate at an early stage, plant cells continue to differentiate throughout life.
2	Mitosis	The process of cell division where 1 parent cell produces 2 genetically identical daughter cells
3	Genes and chromosomes	DNA is arranged in chromosomes in cells. Gene - section of a chromosome. Chromosomes found in pairs in cells.
1	Stem cell	Cells that are undifferentiated but can turn into any type of cell
	Diffusion	The movement of particles from a HIGH concentration to a LOW concentration down a concentration gradient (gases or liquids). No energy required. Oxygen and carbon dioxide in gas exchange in lungs. Rate affected by concentration, temperature and surface area.

(G)

Roots (R) and leaves (L) in plants

Adaptations for diffusion

Small intestine

(SI) and Lungs

(L) in humans

and Gills in fish

Root hair cells (R), flat/large (L)increase surface area Thin (L)- short diffusion pathway Stomata on lower surface (L)- let O₂ and CO₂ in/out

Villi (SI), Alveoli (L), gill filaments

and lamellae (G)- increase

Good blood supply-maintain

Thin membranes- short diffusion

concentration gradient

(plants)

any plant cell type anytime in plants life

auickly and economically (rare species)

Osmosis

Active transport

The movement of particles, e.g. mineral ions, from a LOW concentration to a HIGH concentration, AGAINST the

only). No energy required. Eg: water

The movement of WATER particles from a

high concentration (DILUTE solution) to a

low concentration (MORE CONCENTRATED solution) through a partially permeable membrane. (liquids

absorption by roots from soil.

When a cell becomes a specialised cell -

concentration gradient. Requires ENERGY. Eg: movement of mineral ion into plant roots and glucose into small intestine.