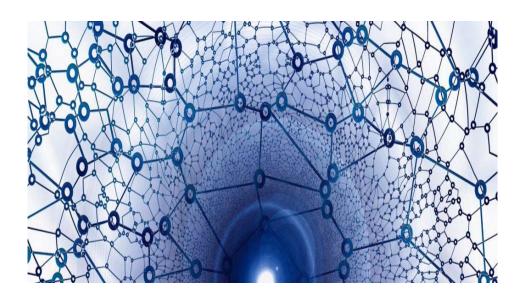
2018-19

Year 10 - Cycle Two 100% Book



Name:

Tutor group: _____

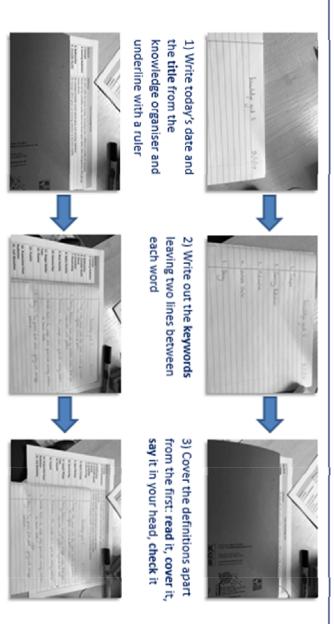


themselves after learning. Students remember 50% more when they test

part of your equipment. You must have this 100% book for every lesson – it is

finished the cycle or the year). You must keep your 100% books (even after you have

How do I use my 100% book for self-quizzing?





If you got it right, move on

Cover up all the definitions

Check your answers using green pen

Tick any definitions which are correct Correct any definitions not completely

and write them out from

and **quiz yourself** on the rest

in your head, one by one

memory

Correcting spelling, punctuation and grammar

Your work will be marked across all subjects to help you improve your literacy. This is the code that will be used.

С	orrecting your spelling, punctuation and grammar
Sp + underlined word	The underlined word is spelt incorrectly. Look, cover, write then check. Do this at least three times so you spell it correctly.
A circle around part of a word or a space	Your punctuation is incorrect, or something is missing (including capital letters).
?+ wobbly line	You haven't explained your ideas clearly enough.
/	You need to start a new sentence here. Remember: full stop, capital letter.
//	You need to start a new paragraph here. Remember: new paragraphs for time, place, topic, person (TiPToP).
^	A word is missing where the arrow is pointing.



My daily sustenance	قوت يومي		لغناء		مُمثل/مُمثلة	فردات الصف TV, Cinema & Films	تلفزيون، سينما وافلام
Nutritious	مغذي	CD	قُرص	Artist	فنان	I like watching	أنا أحب مشاهدة
Food	أكل/طعام	Album	البوم	Art	فنّ	Programmes	برامج
Food	غِذاء	Concert	حفل موسيقي	Favourite	مُفضل	Debate	حوارية
Healthy	صحي	Jazz	موسيقى الجاز	Entertaining	مسٽي	Comedy	كوميدية
Unhealthy	غير صحي	Eastern music	موسيقى شرقية-	Exciting	مثير	Art	فنية
Breakfast	وجبة الفطور	Pop music	موسيقى البوب	Actor/ess	ممثل/ة	Culture	تثقيفية
Lunch	وجية الغداء	Rock music	موسيقى الروك	Aiming	هادف	Children's	أطفال
Dinner	وجبة العشاء	Flamenco music	موسيقى الفلامينكو-	Useful	مُفيد	Sports	رياضية
Carbs	النشاويات	Folk music	موسيقى شعبية	Theatre	مسرح	Religious	دينية
Proteins	البروتينات	Classic music	موسيقى كلاسيكية	Celebration	احتفال	Documentaries	وثائقية
Fats	الدهون	Internet	الانترنت	Festival	مهرجان	Quizzes	مسابقات
Sweets	الحلوايات	E-mail	بريد الكتروني	Occasion	مُناسبة	News bulletins	نشرات الأخبار
Dairy products	الاجبا والألبان	Register	تسجيل	Festivals	عيد / أعياد	I went to see	ذهبت لرؤية
A cup of milk	كوب حليب	Forum	منتدى	Eid al-Fitr	عيد الفطر	Film	فيلم
Water jar	ابریق ماء	Browser	متصفح	Easter	عيد الفصح	Series	مسلسل
A cup of coffee	فنجان قهوة	Upload	تحميل	Eid al-Adha	عيد الأضحى	Romantic	رومنسي/عاطفي
Vinegar bottle	زجاجة خلّ	Download	تنزيل	Independence Day	الاستقلال-عيد	Action	الحركة
Butchery	المجزرة	Hacking	القرصنة	Christmas	عيد الميلاد	Comedy	کومید ي
Bakery	المخبزة	Page	صفحة	New Year	رأس السنة	Drama	درامي
Vegetable market	سوق الخضر	Website	موقع الكتروني	Music	الموسيقى	Detective	بوليسي
Refreshments shop	متجر المرطبات	Links	الروابط	Rhythm	ايقاع	Adventure	مغامرة
Supermarket	السوبر ماركت	Login	تسجيل الدخول	Tune	لحن	Science fiction	خيال علمي
Pharmacy	الصيدلية	Password	كلمه السر	Song / Songs	أغنية / أغاني	Cowboy	رعاة البقر
				Singer	مُغنّي / مُطرب	Horror	رُعب
-						War	حربى

جُمل/ Sentences		فعل الماضي / Past Tense		فعل المضارع / Present Tense	
My Daily Routine	روتینی الیومی	Past Tense	فعل الماضي	Present Tense	فعل المضارع
I come back	أعود الى / أرجع الى	I watched	أنا شاهدت	I watch	أنا أشاهد
I get dressed	ارتدي ملابسي	You(m) watched	أنتَ شاهدتَ	You(m) watch	أنتَ تشاهد
I go out	أخرج من البيت	You(f) watched	أنتِ شاهدتِ	You(f) watch	أنتِ تشاهدين
I go to bed	أنا أذهب إلى الفراش	He watched	هو شاهد	He watches	هو يشاهد
I have breakfast	أنا أتناول الفطور	She watched	هي شاهدت	She watches	هي تشاهد
I do my home work	أقةم بواجب المدرسة	We watched	نحن شاهدنا	We watch	نحن نشاهد
I meet up with my friends	ألتقي مع أصدقائي	You(p) watched	أنتم شاهدتم	You(p) watch	أنتم تشاهدون
I do the house work	أقوم بالأعمال المنزلية	They watched	هم شاهدوا	They watch	هم یشاهدون
I talk to my friends	أنا أتحدث مع أصدقائي	They(f) watched	هنّ شاهدن	They(f) watch	هُنّ يشاهدن
I do the washing up	أقوم بغسل الصحون				
		<u>Clothes</u>	الملابس	I criticise	أنتقد
The action takes place in	تجري الأحداث في	Leather	جلد	I invite	أدعو
The special effects are great	المؤثرات الخاصة هي ممتازة	Silky	حريري	I offer	أقدّم
The film was about	الفيلم كان حول	Fabric	قماش		
A man who falls in love	رجل يقع في حب	Soft	ناعم	<u>Opinion</u>	<u>رأي</u>
The main actors	الشخصيات الرئيسية	Thick	سميك	I prefer	أفضل
A fight between good & evil	معركة بين الخير والشر	Wide	واسع	I want	أرغب
In the end	في نهاية الفيلم	Short sleeves	أكمام قصيرة	I love / do not like	أحبّ/لا أحبّ
The acting was	التمثيل كان	Long sleeves	اكمام طويلة	I like / dislike	يُعجبني/لا يُعجبني
The directing was	الاخراج كان	Small size	حجم صغير	In my opinion	في رأيي
In the beginning	في البداية	Large	حجم کبیر		
		Embroidered	مُطرز	Last week	الأسبوع الماضي
I would like to see it again	أود أن أراه مرّة أخرى	What is your size?	ما هو مقاسك؟	Every week	كل الأسبوع
In my opinion this	في رأيي هذا الفيلم			Once a month	مرة في الشهر
The main character is	بطل الفيلم هو				
I saw a film its title is	رأيت فيلم عنوانه				
Made me laugh	جعلني أضحك				

GCSE Business Studies – Topic 1 – Business in the Real World

1.1. The purpose and Nature of a Business

Purpose of a Business	To provide a good (tangible) To provide a service (intangible)		
Business Entrepreneur	An individual with a business idea that takes a risk by starting up a business		
Why People Start a Business	 To work from home Be your own boss Pursue a hobby 		
Social Enterprise	An business activity that achieves a reward for society		
4 Factors of Production	 Land Labour Capital Enterprise 		
Opportunity Cost	The next best alternative that is foregone		
Entrepreneurial Characteristics	 Innovative Risk takers Hard working Determined Organised 		
Business Sectors	Primary Extract raw materials Secondary Production of the product Tertiary Services provided and products sold		
Business Functions	The way a business is divided: 1. Marketing 2. Operations 3. Human resources 4. Finance 5. Sales		
Business Environment (Changes)	 Technological Change Changes in machinery and technology, Snapchat, Airbnb are examples of this Economic Change Interest rates, inflation, GDP Legal Change Laws and regulations Environmental Change Ethics and consumer trends 		

1.2. Legal Structures/Ownership

Structure	Limited - Unlimited	Benefits	Drawbacks
Franchise The legal right to use the name of an existing firm to sell the same products	Limited	Training is given Business is already known	Have to pay fees Decisions are made by the company
Sole Trader Business run by one person	Unlimited	Not expensive to set up Profit kept by owner	Risk loosing personal assets Hard to find finance
Partnership Two to 20 people opening a business together	Unlimited	Few set-up procedures More sources of finance	Profits are sharesConflicts may arise
Private Iimited company Selling shares to family and friends	Limited	Easier to get sources of finance Shared ideas	Conflicts may arise Have to share profits
Public Limited Company Selling shares to the general public	Limited	Personal assets are protected More investment	A lot of people involved in the business
Unlimited Liability	Owners are res	ponsible for al debts and	can lose personal
Limited	Shareholders can lose their investment but not their		

personal assets

Liability

1.3. Aims and Objectives

Aim	General 'long term' goal of a business		
Objective	A specific 'short term' goal of a business		
Why set up objectives?	 Helps with decision making Helps investors understand the business direction Gives the business and employees a direction Can motivate stakeholders 		
Types of Objectives	 Survival Earning a profit Increase shareholder value Customer satisfaction Increase market share Growth Being ethical Environmental targets 		
SMART Objectives	Specific Measurable Achievable Realistic Time-specific		

1.4. Stakeholders

Stakeholders	Someone that has an interest in a business		
Types of Stakeholders	Employees Want more pay, secure jobs Customers Want useful, accurate information, good service and value for money Shareholders High dividends and high share price Local Community Jobs, reduce environmental impact Government Legal behaviour, taxes paid, growth Suppliers Paid on time, kept informed about business changes		
Stakeholder Influence on Business	1. Negotiation Employees can negotiate for better pay, suppliers demand better terms 2. Direct Action Customers boycotting the product or employees striking 3. Refusal to Co-operate Councils can refuse to support, employees can work less hard 4. Voting Owners of the business can vote on what to do next with the business		

<u>GCSE Business Studies – Topic 1 – Business in the real world</u>

1.5. Business Location

Importance of Location	1. 2. 3.	Costs Amount paid for rent or land Sales Are there enough customers around (footfall) Image / Reputation Location of a business can affect their image
Factors Influencing Location	1. 2. 3. 4. 5. 6. 7.	The type of business (factory, shop, restaurant, warehouse) Distance from the market (customers) How many competitors in the area Availability of raw materials Availability and cost of labour (employees) Transport links (roads, buses, trains, airports, ports) Technology (good internet, phones) Costs
Advantages of Operating Overseas	1. 2. 3. 4.	Cheaper labour (workers) Access to resources that are not available in the UK Financial incentives by foreign governments Avoid protectionist measures by foreign governments The market overseas may be growing fast
Disadvantages of Operating Overseas	1. 2. 3.	There may be different rules and regulations Language and culture is different Customers may have different tastes to the ones in the UK

1.6. Business Planning

Business Plan	This is a document setting out what a business does and what it hopes to achieve in the future		
Risk	The possibility of something going wrong or losing something		
Purpose of Business Planning	 Helps set up a business successfully Helps raise finance Helps set objectives Helps co-ordinate actions 		
Problems with Business Planning	1. Uncertainty It is not always easy to look ahead 2. Lack of Experience When people start up a new business it is difficult as they do not have experience 3. Change A business plan needs to always be updated and referred to and sometimes things change too quickly		
Reducing the Risk of Business Planning	 Research Talking to experts and consultants Plan for a variety of outcomes Regularly review and update it 		
Sections of a Business Plan	Background information Market analysis Objectives Pricing Competition Financial forecast Product information		
Financial Section of Business Plan	Profit = Revenue – Costs Revenue = Price X No of units sold		
Fixed Costs	Costs that do not change according to output, e.g. rent		
Variable Costs	Costs that change according to output, e.g. ingredients or materials		
Total Costs	Total Costs = Fixed Costs + Variable Costs		
Revenue	The income a business receives from selling goods or services		

1.7. Expanding a Business

Measuring Business Size	 Value of sales (revenue) Value of the business (how much it owns) Number of employees (how many people work at the company) 				
Internal (Organic) Growth	This is when a business gets bigger by selling more products				
Internal Growth Examples	Franchise, opening new stores, e-commerce, outsourcing				
E-Commerce	The act of buying or selling a product using an electronic system such as the internet				
Outsourcing	When a business uses another business to make its products part of the products				
External (Inorganic) Growth	This is when a business gets bigger by joining other businesses				
External Growth Examples	 Merger Takeover Horizontal integration Vertical integration Diversification 				
Merger	When two or more businesses join together to form a new business				
Takeover	When one business buys control of another				
Horizontal Integration	When on firm joins another at the same stage of the production process				
Vertical Integration	When businesses join at different stages of the production process: Forward When a firm joins with its distributors Backward When a firm joins with its suppliers				
Diversification	When a business takes over a business in a totally different sector				
Advantages of Expansion	Economies of scale (when a firm gets bigger their costs decrease), more market power, more status, staff welfare				
Disadvantages of Expansion	Decision making is slower, too many employees makes them feel isolated, less efficiency due to size, diseconomies of scale (when a firm gets bigger their costs increase)				
Expanding Abroad	+ Target more customers - Different laws and regulations - Existing businesses may resist new business - Customer habits are different				

GCSE Business Studies – Topic 2 – Influences on Business

2.1. Technology

Information and Communications Technology (ICT)	The computing and communicating systems that a business might use to exchange information with stakeholders	
Stakeholders	Someone that has an interest in a business	
Intranet	Communication network which can only be accessed by employees of an organisation, like the school emails	
Extranets	Networks that can be accessed by other organisations such as suppliers	
Impact of ICT on Employees	 Location of employees Collecting, storing and analysing information 	
Cloud Computing	Storage of large amounts of data on the internet	
E-Commerce	The act of buying and selling goods online	
M-Commerce	The buying and selling of goods through wireless handheld devices such as smartphones	
Digital Communication	Transmission of information electronically between computing devices 1. Email 2. Texts 3. Webchat 4. Teleconferencing 5. Apps 6. Social media	

2.2. Ethical and Environmental Considerations

Ethics	A business decision that is morally right, doing the right thing		
Profit	The positive difference between revenue and costs		
Ethical Marketing	When a business markets in an honest, fair and responsible way		
Ethical Business Operations	This is when the business operates ethically, such as recycling and choosing ethical suppliers		
Ethical Human Resources	This is when employers are treating their employees right		
Ethical Finance	When businesses make sure they use their finances in the right way		
Fairtrade	When companies become Fairtrade they agree to pay suppliers a fair amount; this then helps the local communities		
Social Responsibility	When businesses try to make sure all their operations benefit society		
Environment	The natural world in which we live		
External Costs	Costs to a business that arise when activities result in harmful effects on other people not directly involved in production, e.g. local community when companies dump their wastage		
Non-renewable Resources	Resources that are limited such as coal and oil		
Sources of Air and Noise Pollution	Agriculture Manufacturing Transport Power stations		

Ways to be Environmentally Friendly	 Use of renewable resources Reduce transport pollution Recycling or using recyclable materials Stop using chemicals in production 	
Sustainability	Methods of production which can be continued without damaging the environment in the long-term	
Advantages of Being Environmentally Friendly	 Competitive advantage Charge higher prices Attract new customers 	
Disadvantages of Being Environmentally Friendly	Increase costs If not behaving ethically, can attract bad publicity	

GCSE Business Studies – Topic 2 – Influences on Business

2.3. Economic Climate of a Business

The Economy	Made up of millions of individual consumers, thousands of businesses and the governments	
Consumers	Individuals who buy goods and services from businesses	
Economic Climate	Describes key factors within an economy such as the level of goods produced and the unemployment rates	
Interest Rates	The cost of borrowing money	
High Interest Rates	 High cost of borrowing People / businesses borrow less People save more Weakening economic climate 	
Low Interest Rates	 Low cost of borrowing People / businesses borrow more People spend more Improving economic climate 	
Employment	The number of people working in an economy	
Unemployment	The number of people that are able and willing to work that can't find a job	
High Unemployment	 Less people have jobs Consumer spending falls Demand falls 	
Consumer Spending	The value of goods and services bought by consumers over a period of time	
Income Elastic Products	Products that are sensitive to changes in consumer incomes	

2.4. Globalisation

Globalisation	When the world is more interconnected through communication, transport and technology	
Multinational Company (MNC)	When a company operates in more than one country. Can also be called Transnational Companies (TNCs)	
International Trade	Selling of goods and services across national borders	
Exports	When goods and services produced by a business in one country are sold to another country	
Reducing the Risk of Business Planning	 Research Talking to experts and consultants Plan for a variety of outcomes Regularly review and update it 	
Sections of a Business Plan	 Background information Market analysis Objectives Pricing Competition Financial forecast Product information 	
Financial Section of Business Plan	Profit = Revenue – Costs Revenue = Price X No of units sold	
Fixed Costs	Costs that do not change according to output e.g. rent	
Variable Costs	Costs that change according to output e.g. ingredients or materials	
Total Costs	Total Costs = Fixed Costs + Variable Costs	
Revenue	The income a business receives from selling goods or services	

2.5 Legislation

Legislation	A set of rules that governs the way a society operates. It is another term for "laws".
National Living Wage	An hourly rate of pay set by the government. All employees above a certain age must receive at least this rate of pay.
Discrimination	Treating one person differently from another without having good reason to do so.
Part-time Employee	Employees who work for a proportion of the week – for example 3 days a week, rather than 5.
Trade Union	A group of workers who act together to improve their pay and working conditions.
Contract of Employment	A legal document stating the hours, rates of pay, duties and other conditions under which a person is employed.
Motivation	A range of factors which influence the way a person behaves at work.
Consumer Laws	Laws to stop businesses from treating their customers unfairly.
	National Living Wage Discrimination Part-time Employee Trade Union Contract of Employment Motivation

2.6 The Competitive Environment

Markets	Exists where there are buyers and sellers.
Competition	Exits when more than one business is attempting to attract the same customers.
A Monopoly	Exists when a business does not face any competition in a particular market.
Market Share	The percentage of sales in a particular market recorded by a business.
An Uncertainty	Occurs when there is a lack of information about a situation. This means the outcome is hard to predict.
Risk	The possibility of something going wrong.
A Business Plan	Is a document setting out what a business does and what is hopes to achieve in the future.
Diversification	Occurs when a business starts selling new products in new markets.
A Recession	Occurs when the value of an economy's output of goods and services falls for six months or longer.
Entrepreneur	Someone who is willing to take the risks involved in starting a new business

GCSE Business Studies – Topic 3 – Human Resources

3.1. Organisational Structures

Organisational Structure	The way a business arranges itself to carry out its activities
Organisational Chart	A plan showing the roles of, and relationships between, all the employees in a business
Line Manager	An employee's immediate superior or boss
Authority	The power to control others and to make decisions
Span of Control	The number of employees managed directly by another employee
Levels of Hierarchy	The layers of authority within a business
Chain of Command	The line of authority within a business along which communication passes
Delayering	The removal of one or more levels of hierarchy from a business's organisational structure
Delegation	The passing down of authority to more junior employees
Communication	The exchange of information between two or more people
Decentralisation	Allows employees working in all areas of the business to take decisions
Centralisation	Occurs when a small number of senior managers in a business take all the important decisions

3.2. Recruitment and Selection		
Diversification	Occurs when a business starts selling new products in new markets	
Retention	The proportion of a business's workforce who remains with the business over a period of time, usually one year	
Recruitment	The process of finding and appointing new employees	
Selection	Choosing the right employees from among those who have applied for the job	
Internal Recruitment	Takes place when a job vacancy is filled from within the existing workforce	
External Recruitment	Filling a job vacancy from any suitable person not already employed by the business	
Job Analysis	The collection and interpretation of information about a job	
Job Description	States information about the duties and tasks that make up a particular job	
Person Specification	Sets out the qualifications and skills required by an employee to fill a particular job	
Curriculum Vitae (CV)`	Provides information about a person, including qualifications, employment history and interests	
Productivity	The quantity of goods and services produced by an employee over a period of time, such as one year	
Quality	The extent to which customers' requirements are met	
Customer Service	That part of a business's activities that is concerned with meeting customers' needs as fully as possible	
Contract of Employment	A legal document stating the hours of work, rates of pay, duties and other conditions under which a person is employed	

Full-time Employment	Occurs when someone works a number of hours equal to the normal working week, normally between 35 and 40 hours	
Part-time Employment	Takes place when an employee works for fewer than the normal number of working hours per week	
Job Share	Exists when two or more employees agree to share the responsibilities of a single job	
Zero Hours Contract	Allows employers to hire staff without any guaranteed hours of work	

3.3. Motivating Employees

Motivation	The range of factors that influence people to behave in certain ways
Job Enrichment	Designing a job to give interesting and challenging tasks
Fringe Benefits	The 'extras' that employees pay receive in addition to their pay, for example, a company car
Piecework	A method of payment under which employees are paid according to the quantity of products they produce
The National Living Wage	An hourly rate of pay which is set by the government. All employees above a certain age must receive at least this rate of pay

3.4 Training

Training	A range of activities giving employees job-related skills and knowledge
Induction Training	The training given to an employee when he or she firsts starts a job
On-the- job- Training	Training given in a workplace
Off-the-job Training	Training that is provided outside the employee's place of work

The Play That Goes Wrong | Drama | Year 10 | Cycle Two

A – Key Concepts To convince the audience the play was being performed by an amateur drama society from a university To make the audience laugh and believe the mistakes were real To make the play within the play look like a murder mystery taking place in a wealthy manor house

B – Directors, Designers and Actors		
1. Director	Mark Bell	
2. Set designer	Nigel Hook	
3. Sound designer	Andy Johnson	
4. Lighting designer	Ric Mountjoy	
5. Costume designer	Roberto Surace	
6. Inspector Carter / Chris Bean	Patrick Warner	
7. Charles Haversham / Jonathan Harris	Jason Callender	
8. Cecil Haversham / Max Bennett	Alastair Kirton	
9. Florence Colleymoore / Sandra Wilkinson	Meg Mortell	
10. Thomas Colleymoore / Robert Grove	Edward Judge	
11. Perkins / Dennis Tyde	Edward Howells	
12. Annie Twilloil (Stage Manager)	Katie Bernstein	
13. Trevor Watson (Lighting and Sound Operator)	Graeme Rooney	

C – Communicating the Concepts		
	1. The set had lighting bars and lanterns that were visible	
	2. The set had cheap looking parts to it, e.g. the painted fire place	
Set	3. The flats fell down	
	4. The door was painted to look like an expensive wooden door on one side but had a gents toilet sign on the other	
	1. The stage crew could be heard talking over the theatre coms	
	2. The repeated use of the dramatic music allowed us to realise that it was played for too long at one point	
Sound	3. The song 'Girls on Film' by Duran Duran played when it wasn't supposed to	
	4. The gunshot sound effect played, convincing the audience of a second death	
	Lights were used in basic ways such as snap fades to highlight cross cutting on stage	
Lighting	2. The lights would turn red when the word death or murder was said	
88	3. Lighting was often late	
	4. The spotlight was in the wrong place at the start, meaning actors were not lit correctly	
	1. Characters in the stage crew wore mainly black	
	2. The cocktail dress was placed onto Annie in a rush when she had to take on the role of Florence	
Costume	3. The original Florence returned and performed in comical spotty underwear	
	4. Cecil wore a rowing blazer from a private school, suggesting wealth	
	There was a tech area for Trevor in the auditorium visible to the audience	
Stage Space	2. Actors came into the stalls to look for lost props	
Juge Space	3. The actor playing Cecil didn't want to kiss Florence; he kept trying to move away as she moved closer	
	4. Stage crew tried to remain out of sight by staying upstage	

The Play That Goes Wrong | Drama | Year 10 | Cycle Two

D – Paragraph Plai	D – Paragraph Planning	
1. Introduction	Introduce your understanding of the play, its context and your knowledge of the key concepts	
2. Example one	Give a clear and detailed example of what was done in relation to the question you are answering. Use correct terminology and explain the impact on the audience	
3. Example two	Give a second clear example of what was done in relation to the question you are answering. Use correct terminology and explain the impact on the audience	
4. Example three	Give a third clear example of what was done in relation to the question you are answering. Use correct terminology and explain the impact on the audience	
5. Example four	Give a fourth clear example of what was done in relation to the question you are answering. Use correct terminology and explain the impact on the audience	
6. Analyse what was communicated	Explain how the combination of what you have spoken about communicated ideas to the audience. Link to the question and your introduction	
7. Evaluate how successful	Give a final opinion of the success or failure of the production with referral to the examples you gave	

C – Communicating the Concepts Continued		
	1. Cecil used facial expressions, such as shy smiles. He also increased the volume of his voice	
Acting	2. Annie, when forced to play Florence, used small and restricted movements and gestures. These then became large and over the top to suggest her new found enjoyment of the role	
	3. Charles, would use a mannerism to show his repeated mistakes, including bringing his arms up to his chest in a cross, keeping his body ridged and shuffling backwards off the stage	

4. Trevor, often looked fed up and bored by resting his head on his hand. His body would often be turned away from where he was supposed to be looking to imply his lack of interest in the play

E - :	E – Success in Your Answer	
1.	Use correct technical language. (Don't refer generally to the element or acting choices you are writing about)	
2.	Give detail in your answer, enough that someone who hasn't seen it could recreate it	
3.	Justify why you think what they did was successful	
4.	Suggest a range of examples not just one or two	
5.	Include clear analysis and evaluation	
6.	Make clear reference to the audience and how they were impacted by acting or design choices	
7.	Show a clear understanding of the requirements of the play	
8.	Develop your ideas clearly	







Introduction to Economics - 1

The Basic Economic Problem

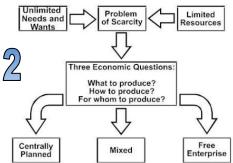
Our wants are infinite, but our resources are scarce

Opportunity Cost

The value of the next best alternative foregone when making a choice

Scarcity

Not having enough of something, for example not having enough resources to meet our wants



)	Factors of Production	
)	Land	Labour
	The natural resources we have to make things: physical space, crops, things we dig up like coal or fish from the sea	The human input in making things, like the workers in a factory





Capital	Enterprise
Goods which are used to produce other goods, e.g. machines and tools	The ideas and the risk-taking required to pull the other factors together





Environmental Sustainability

Using the Earth's resources in a way which means they don't run out and that we can continue to use them in the future

Market

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Any place (physical or virtual, like the internet) where buyers and sellers come together to exchange goods and services

Primary Sector

Where raw materials are extracted, e.g. mining, fishing, farming, the oil industry

Secondary Sector

Where raw materials are manufactured, or turned into finished goods, e.g. making cars out of metal and rubber

Tertiary Sector

The service sector, e.g. tourism, healthcare and public transport

Demand

The quantity of a good or service that consumers are willing and able to buy at a certain price. Being able to buy it is important, this makes it effective demand

Demand Curve (Diagram)

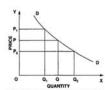
A demand curve shows you the relationship between the quantity of goods people are willing to buy and the price of the good. Demand curves are downward sloping from left to right. This means that when the price of a good rises, the amount that buyers want to buy will fall

Contraction in Demand

A movement along the demand curve, caused by a change in price. When prices rise, the quantity demand will reduce, so this is a contraction

Extension in Demand

A movement along the demand curve, caused by a change in price. When prices fall, the quantity demanded will go up, so this is an extension



Shift in the Demand Curve

When the entire demand curve shifts left or right because of a change in one of the factors which influence demand at any given price (PASIFIC factors)

Supply

The quantity of a good or service that producers are willing and able to sell at a certain price

Supply Curve (diagram)

A supply curve shows you the relationship between the quantity of goods producers are willing to sell and the price of the good. Supply curves are upward sloping from left to right. This means that when the price of a good rises, the amount that producers will supply also rises

Extension in Supply

A movement along the supply curve, caused by a change in price. When prices rise the quantity supplied will rise, so this is an extension in supply

Contraction in Supply

A movement along the supply curve, caused by a change in price. When prices fall, the quantity supplied will fall, so this is a contraction in supply

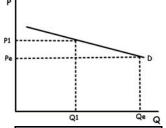
Shift in the Supply Curve

When the entire supply curve shifts left or right because of a change in one of the factors which influence supply at any given price (PINTSWC factors)

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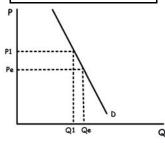
Price Elastic Demand

The percentage change in price is smaller than the percentage change in demand



Price Inelastic Demand

The percentage change in price is greater than the percentage change in demand



PASIFIC (Demand Factors)

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These are the factors which cause a demand curve to shift. The will mean that either more or less of a good is now bought at any given price. Change in price itself does

NOT cause a shift	
P	Changes in the population
Α	The use of <u>advertising</u>
S	The price and availability of substitute goods
1	Changes in incomes
F	Changes in <u>fashion</u> or trends
-	Changes in interest rates
U	The price and availability of complementary goods

PINTSWC (Supply Factors)

These are the factors which cause a supply curve to shift. The will mean that either more or less of a good is now produced at any given price.

Change in price itself does NOT cause a shift

- Changes in <u>productivity</u> (output per worker per time period)
- Changes in <u>indirect taxes</u> on firms
- A change in the <u>number of firms</u> in the market
- T Changes in <u>technology</u>
- The receipt of a government subsidy (grant to firms)
- Changes in weather
 Changes in the cost of
- production, e.g. cost of raw materials

Introduction to Economics - 2

When an individual, firm or even a country chooses to focus on producing a specific thing and becomes better at it (more efficient)

Specialisation

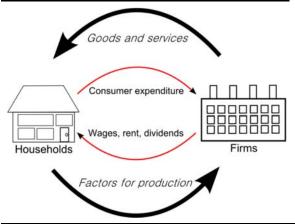
Efficiency

Being able to produce more output with the same or fewer resources

Alienation

The feeling that some workers can get if there is specialisation, when they don't see the finished product as something they have contributed to because they are only involved in a small part of its production

Types of Market	
Factor Market	Product Market
Market in which the services of the <u>factors of production</u> are bought and sold	Market in which <u>final goods</u> and services are offered to consumers, businesses and the public sector
For example, a builder sells his <u>labour</u> for a wage	For example, any <u>finished</u> or manufactured product like an iPad or a car

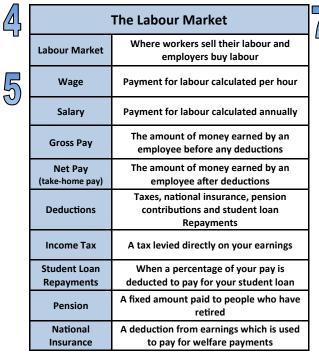


Market Interdependence

Factor markets and product markets are interdependent because households supply their labour to firms to produce goods. They use the wages they receive from this to buy goods and services from each other (see above)

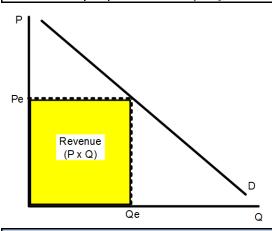
Derived Demand

When something isn't demanded for itself, instead the demand for it is dependent on the demand for something else, e.g. firms don't hire builders because they like builders, they demand for builders when the demand for houses is high



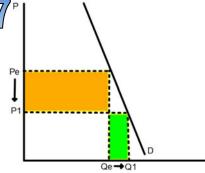
Revenue

Revenue is what firms earn when they sell their goods and services. It can be calculated by multiplying the quantity sold by the price it was sold at (P x Q)



Elasticity and Pricing Strategy

Firms can use PED to help set their prices and make more revenue. If a firm sells a good like petrol with <u>inelastic</u> <u>demand</u>, then it can make more revenue by *increasing* its prices (see number 7)

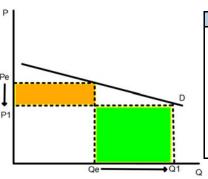


Price Elasticity of Demand and Revenue

Inelastic Demand—When demand is inelastic, the percentage change in demand is less than the percentage change in price.

This diagram shows the impact of a fall in the price. Some revenue is lost through the price falling. Some revenue is gained by the quantity increasing.

Overall, revenue falls.



Price Elasticity of Demand and Revenue

Q

Elastic demand—when demand is elastic, the percentage change in demand is greater than the percentage change in price.

This diagram shows the impact of a fall in the price. Some revenue is lost through the price falling. Some revenue is gained by the quantity increasing.

Overall, revenue increases.

PED Factors

These factors determine whether consumers' response to price changes will be elastic or inelastic

1. Luxury vs Necessity

If something is a necessity then the percentage change in demand will be lower than the percentage change in the price

2. Percentage of Income Spent

The more of our income we spend on a good, the more sensitive our demand will be to changes in price

3. Habit Forming Goods

If we are addicted to something, then our demand will be less sensitive to price changes

4. Price and Availability of Substitutes

If there are cheap substitutes for a good we demand then we will be very sensitive to price changes

PES Factors

These are the factors that determine whether firms' response to price changes will be elastic or inelastic

1. Spare Capacity

The more spare capacity firms have (to produce), the more responsive their output will be to price changes

2. Production Lags

The longer it takes to produce something, the less responsive firms will be to price changes

3. Stock Levels

The more stock levels firms have, the more responsive their output will be to price changes

4. Transferability of Factors of Production

The more a firm can switch resources from one use to another the more responsive it will be

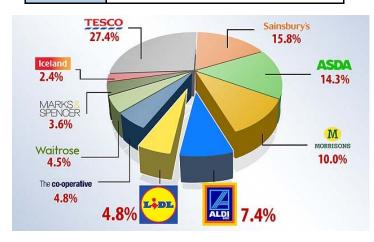


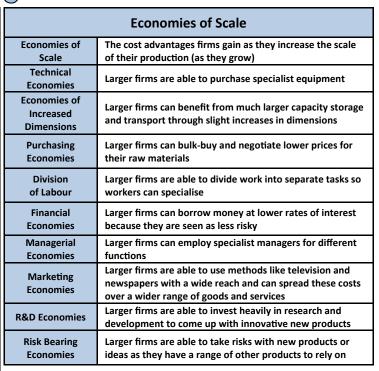
Introduction to Economics - 3

Prices	
Price Mechanism	The way in which changes in price reflect changes in supply and demand, allowing the market to correct itself
Surplus (Excess Supply)	When supply of a good is greater than the demand for it
Shortage (Excess Demand)	When the demand for a good is greater than the supply of it
Allocation of Resources	How scarce resources are distributed among producers and then allocated to consumers
Signalling	Changes in prices signal changes in the need for resources; higher prices show the need for more resources
Rationing	When resources are scarce, prices rise and only those willing to pay higher prices are allocated that resource
Equilibrium	When the quantity demanded is equal to the quantity supplied (the optimal production and distribution of resources)

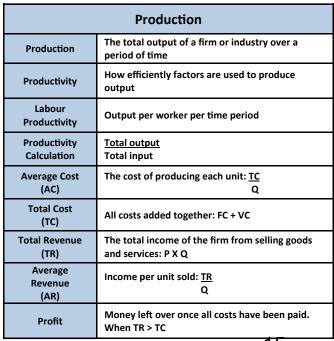
Competition		
Competition	When different firms are trying to sell a similar product to consumers	
Price Competition	When firms lower their prices in order to attract consumers	
Non-price Competition	When firms use marketing, the quality of customer service or the product itself to attract consumers	
Monopoly	A single producer of a good or service in a market	
Legal Monopoly	A producer with at least a 25% market share	
Oligopoly	Where a small number of firms control a majority share of a market	
Barriers to Entry	Factors which prevent firms from joining a market, e.g. start-up costs, research costs or marketing costs	

}	Financial Markets	
	Debit Card	Takes money directly from your bank account; it won't work if you don't have enough
	Credit Card	Enables you to buy something 'on credit' and pay for it later if you don't have the money now
	Central Bank	E.g. Bank of England, acts as a bank for the other banks and the Government. Controls interest rates and prints bank notes
	Medium of Exchange	Something of an agreed value which can be used to buy goods and services, e.g. money
	Investment	Purchasing capital goods which will produce other goods in the future Purchasing an asset to provide a future
	Commercial Bank	income or to sell at a profit later A profit making bank, e.g. Barclays which takes money from some customers as savings and lends to others as loans and mortgages
	Building Society	A mutually financial institution, owned by its members (customers)
	Mortgage	A financial agreement to borrow money in order to purchase a house
	Interest Rate	The cost of borrowing money
	Insurance Company	Financial institution which consumers can pay a premium to guarantee compensation for loss, theft or damage, illness or death
	Liquidity	How easy it is to turn an asset into cash





6







National and International Economics - 1

Economic Objectives of Government	
1	Economic Growth
2	Low unemployment
3	Fair distribution of income
4	Price stability

Economic Growth		
Economic Growth	Growth in GDP over time	
Gross Domestic Product (GDP)	The value of the output of goods and services produced in the economy in a year	
GDP Per Capita	GDP divided by the total population	
Real GDP	GDP adjusted for the impact of inflation	
Growth Rate	A measure of the speed of economic growth (as a percentage increase)	
Boom	A period of high economic activity and high levels of employment	
Recession	When there are at least two quarters of negative growth	

Economic Quarters		
A period of three months. Used to measure economic overtime or to compare from one year to the next		
Q1	January to March	
Q2	April to June	
Q3	July to September	
Q4	October to December	

Employment		
Labour Force The number of people who work in a country		
Employment	The use of labour in the economy to produce goods and services	
Employment Rate	The percentage of those who are willing and able to work who are currently working	
Unemployment	When people who are willing and able to work are not able to find a job	
Unemployment Level	The number of people in the working population who are unemployed	
Unemployment Rate	The percentage of those who are willing and able to work who are not able to find a job	
Claimant Count	A method of measuring unemployment which simply counts the number of people claiming unemployment benefits (jobseekers allowance)	

)	Types of Unemployment		
	Frictional Unemployment	Unemployment caused by time lags in workers moving between jobs	
	Seasonal Unemployment	Unemployment caused by a fall in demand for certain types of worker at certain times of year	
	Structural Unemployment	Unemployment caused by a permanent change in the structure of the economy, e.g. the decline of an industry	
	Cyclical Unemployment	Unemployment caused by a fall in demand (recession) which goes away when the economy booms again	

	Costs of Unemployment		
1	Reduced demand in the economy causing further job losses		
2	Lower living standards for the unemployed		
3	Social, emotional and mental health problems		
4	Workers lose their skills and become excluded workers		
5	Taxpayers have to cover additional benefit payments		
6	Government tax revenues fall (leading towards a deficit?)		

	Fair Distribution of Income		
Income	The payment for a service provided by factors of production, e.g. labour receives a wage		
Distribution of Income	How incomes are shared out between individuals and households		
Wealth	The market value of all the assets owned by a person, group or country		
Wages	The payment for the provision of labour		
Rent	The payment for the provision of land		
Interest	The payment for the provision of capital		
Profit	The payment for the provision of enterprise		
State Benefits	Transfer payments made to those who require them such as job seekers or pensioners, also known as welfare payments		
Gross Income	Income received before any taxes are taken or benefits given		
Net Income	Income available after any taxes are taken or benefits given, also known as disposable income		
Inheritance	The passing on of assets from one generation to the next		

	Price Stability		
Price stability	When the general level of prices in an economy stays constant over time		
Inflation	A sustained increase in the general price level over time		
Costs of Living	The price level of goods and services (bought by an average family)		
Rate of Inflation	The percentage rise in the general price level over time		
Consumer Price Index (CPI)	A method used to calculate inflation which calculates the change in a 'basket' of 750 common goods and services		
Real Values	Nominal values which have been adjusted to account for inflation		
Cost-push Inflation	When prices rise due to rising costs for firms		
Demand-pull Inflation	When prices rise due to high demand in the economy		

GCSE English Knowledge Organiser: Language Paper 2 Exam: Writers' Viewpoints and Perspectives

A. Language Terminology			B. FAP			
Terminology	Definition	Example	Terminology	Definition		
1. Noun	,, , , , ,	London, table, family, bridge, happiness	1. Form (genre, text type)	The <u>type</u> of text Exam for a speech, essay	ple forms: Letter, article	e, text for a leaflet, text
2. Adjective	A word used to describe or modify a noun	Red, shiny, unpleasant	2. Audience	The <u>target reader</u> for a te councillor, adults	ext Example audiences: Tee	enagers, parents, a local
3. Comparative adjective	A word used to compare two nouns	Bigger, happier, better	3. Purpose	Why the text has been write to persuade	tten Example purposes: To a	argue, to explain, to advise,
4. Superlative adjective	A word used to compare three or more nouns	Biggest, happiest, best	C. Discourse markers			
5. Verb	A word used to describe an action, state or occurrence	To run, to be, to laugh	1. To add information	2. To sequence events	3. To show similarities	4. To emphasise
6. Imperative verb	A verb used to give a command or order	Sit down. Stop that.	too, also, and,	E	lilian ia alaa	clearly, especially,
7. Adverb	A word that describes or gives more information about a verb and often ends '-ly'	Quickly, gently, ferociously	moreover, furthermore, as well	firstly, secondly, next, after, before,	likewise, also, similarly, equally, in	particularly, essentially, above all, in particular
8. Alliteration	When the same letter or sound is used at the beginning of adjacent or closely connected words	Clammy cold, pink pigs	as	meanwhile	the same way	
9. Triplets	When three words/short phrases are used in a text	A raging, fierce, howling wind	5. To illustrate	6. To contrast	7. To show cause and effect	8. To conclude
10. Hyperbole	The use of exaggerated terms for emphasis	I'm so tired I could sleep for a whole year!	for example,	however, whereas, on the other hand, conversely, alternatively, otherwise	because, therefore, hence, as a result, consequently	in summary, overall, finally, to sum up, in conclusion
11. Metaphor	A figure of speech in which a word, object or idea is used in place of another to suggest a likeness	A granite sky; their home was a prison	including, such as, according to, for instance the other convers			
12. Simile	A figure of speech involving the comparison of one thing with another using 'like' or 'as'	The coach swayed like a drunken man.				
13. Emotive language	Words which create an emotional response in the reader	Could you <u>abandon</u> <u>helpless</u> puppies?	D. Academic Language			
14. Juxtaposition	Placing contrasting ideas close together in a text	Bittersweet, deafening silence, sweet sorrow	1. Alternatives for 'sho	ows'	2. Alternatives for 'dra	aws attention to'
15. Personal pronouns	A word to show the person speaking, the person spoken to, or the person or thing spoken about	I, me , we, us , you, he/she/it, them				
16. Rhetorical question	A question asked in order to create a dramatic effect/make a point rather than to get an answer	Will you stand up and fight?	Suggests, symbolises			
17. Tricolon	come in quick succession without interruntion	'the sweat of its labourers, the genius of its scientists, the hopes of its children'			engenens, supports,	
18. Repetition	Saying again something that has already been said or written		3. Alternatives for view	wpoint	4. Alternatives for con	trasts
19. Anecdote	A short, interesting story about a real incident or person		Attitude, belief, feelings, opinion, outlook, point of view, position, stance, thought(s), view Juxtaposes, shifts, conflicts with, contradict subverts, goes against, opposes		ts with contradicts	
20. Fact	A thing that is known or proved to be true					
21. Opinion	The beliefs or views of a group or a person		Triew, position, statice, thought(s), view subverts, goes against, opposes		.	
22. Tone	The general mood or atmosphere in a text		5. Tentative language This could suggest/This might imply/This may indicate/Perhaps this revea could be said that		te/Perhaps this reveals/It	

	Language, Form, Structure (AO2)	Context (AO3)	Key Quotations (AO1)
The Charge of the Light Brigade (1854) Alfred Lord Tennyson	 Third Person - sounds like official account Strong rhythm created through regular rhyme: evokes the sound of horse hooves and drums Repetition emphasises the relentless forward motion of the soldiers and how they followed orders Personification emphasises the dangers the cavalry faced 	 Based on the Crimean War, where a miscommunication sent the light brigade into combat Tennyson was Poet Laureate, which could explain the propagandist tone 	 Into the jaws of death, / Into the mouth of hell Then they rode back, but not / Not the six hundred Honour the light brigade, / Noble six hundred!
Exposure (1917) Wilfred Owen	 Rhyme scheme of ABBAC, together with a jarring rhythm, makes the poem sound uncomfortable – mirrors the physical and mental conditions of the waiting soldiers Alliteration, assonance, and sensory imagery attack the reader Repetition is used almost as a refrain at the end of each stanza: the question will not go away and reflects the resignation soldiers feel 	 Based on Owen's first-hand experiences in the trenches. The winter of 1917 was bitter Owen conveys the reality of the horror of war 	 But nothing happens Sudden successive flights of bullets streak the silence. Merciless iced east winds that knive us snow dazed / snow-dozed
Bayonet Charge (1957) Ted Hughes	 Verbs give a sense of frantic movement and lack of control, as does the enjambment (only four sentences in the poem) Accumulation emphasises irrelevance of patriotism in war Semantic fields of war and nature are juxtaposed, showing the impact of war on the land Third person and anonymity makes the narrative universal 	 The soldier is shown as more weapon than man, reflecting the deaths in WWI (Hughes' father was a veteran) Hughes' poems often examine man's impact on nature 	 King, honour, dignity, etcetera Threw up a yellow hare that rolled like a flame Stumbling, sweating, plunged / almost stopped
Remains (2008) Simon Armitage	Short clauses, enjambment, colloquialisms, and economical language creates an impression of natural speech; creates the sense of real-life testimony Half-rhymes and a bouncy four-beat rhythm create a sense of ironic jollity, disrupted by shorter lines at key moments Enjambment reflects the continuing nature of memories after war	 The poem is based on a real-life soldier's experience in Iraq and his post-traumatic stress disorder. The first-person narrative echoes the interview Armitage conducted 	 But I blink // And he bursts again []/ Sleep, [] / Dream tosses his guts back into his body. And the drink and the drugs won't flush him out
Poppies (2009) Jane Weir	 Ambiguity in the first stanza: could be the mother sending her son to school or war. Reflects the uncertainty in his fate The form of first-person dramatic monologue allows us to experience the inner emotions of the speaker: conflict of wanting to protect him but also let him grow up/face the dangers of the world Frequent symbols of remembrance and peace as well as metaphors of material and domesticity highlight humanity and universality of this experience 	 The setting of the poem is also ambiguous, as there are suggestions it is a modern conflict but also frequent links to the past and memory Published in <i>The Guardian</i> 	 my stomach busy / making tucks, darts, pleats Later a single dove flew from the pear tree I listened, hoping to hear / Your playground voice
War Photographer (1985) Carol Ann Duffy	 The poem uses religious imagery to reverently describe the light and photographer to underline the importance of the job Contrasts are made between the hellish warzones and peaceful homeland; intensity of war with the indifference of the readers The regular rhyme scheme and stanza length are neat and precise, representing the disciplined way the photographer does his job 	 Photographs, in the past, had to be carefully developed under a red light This is an interesting and unusual perspective on war from a job which is dangerous 	 spools of suffering set out in ordered rows Home again [] to fields which don't explode beneath the feet / of running children in a nightmare hea
Checking Out Me History (2007) John Agard	 Non-standard English is used to show the difference between the speaker's own culture, and the taught history of white culture A repeated quatrain is used to introduce a famous white character from history before contrasting them with an ignored black person Enjambment and a lack of punctuation represent a rejection of white history and expectations 	• Curriculum is predominantly established by white, middle class men. We are not taught about other cultures, or the history of those we were in conflict with.	Dem (17 times), Dem tell me Blind me to me own identity But now I checking out me own history / I carving out me identity What happened to de Caribs

	Language, Form, Structure (AO2)	Context (AO3)	Key Quotations (AO1)
Ozymandias (1818) Percy Bysshe Shelley	 Sonnet form, written in traditional iambic pentameter, emphasises Ozymandias' self-love As well as contrast, Shelley uses the oxymoron colossal wreck to accentuate the destruction of the statue It is ironic that the sculptor's work has endured whilst Ozymandias' power has not 	 Shelley was a Romantic poet, and the poem could be seen to sympathise with the French Revolution in criticising the absolute power of government Looks back at Ancient Egypt 	 My name is Ozymandias, king of kings, / Look upon my works, ye mighty, and despair! / Nothing beside remains frown / and wrinkled lip and sneer of cold command
London (1794) William Blake	 Juxtaposition of innocence and experience shocks the reader Relentless repetition of negative and emotive language (every, cry) emphasises the bleak mood and angry tone of the poem The metaphor of mind-forged manacles suggests people are trapped by their own attitudes as well as society 	 Blake was a Romantic poet, who was exploring the effects of the Industrial Revolution on England, and protesting against lack of individual freedom 	 In every cry of every man, / In every infant's cry of fear And blights with plagues the marriage hearse black'ning church
Extract from The Prelude (1798) - William Wordsworth	 The first-person dramatic monologue allows us to explore a transformation experience in childhood and its lasting impact Similes compare the natural to the living Personification conveys both the beauty and danger of nature lambic pentameter, with its close relation to the rhythm of the natural voice, suits the personal nature of this poem 	 Wordsworth presents Romantic ideals of the power of nature – powerful, overwhelming, impressive This was an autobiographical poem based on his childhood 	 Like a living thing, / Strode after me moved slowly through the mind / By day, and were a trouble to my dreams
My Last Duchess (1842) Robert Browning	 The first-person dramatic monologue allows us to explore the Duke's motivations and actions. Possessive pronouns highlight the Duke's narcissism and pride, and his objectification of his wife The frequent enjambment urges the poem on, like the Duke relentlessly pursuing his next bride 	 Loosely based on the Duke of Ferrara Browning had to move to Italy to marry because of his wife's over- protective father 	 This grew, I gave commands; Then all smiles stopped together. My gift of a nine-hundred-years old name
Storm on the Island (1966) Seamus Heaney	 Voice of a resident on an outlying island; islanders used to storms Present tense suggests the struggle is ongoing, and the community's power is suggested in their continued resistance (repetition of 'we') The extended metaphor is of a military attack, with the semantic field of warfare (exploding, blast, bombarded, strafes) 	• Stormont Ireland is the name of the seat of the NI assembly, and this poem could therefore be a metaphor for the troubles in Ireland	 We just sit tight while wind dives / and strafes invisibly Strange, it is a huge nothing that we fear tragic chorus
Tissue (2006) Imtiaz Dharker	 Imagery of paper explores ideas about solidity and certainty, change and impermanence, fragility and power Everyday language is patterned with alliteration to convey intricate ideas and modal verbs reflect the elusive meanings and ambiguity; paper and its multiple purposes Repetition imitates the layering of paper 	This complex poem looks at conflict and troubles of the modern world: destruction, war and politics, money and wealth, terrorism and identity	 smoothed and stroked / and thinned to be transparent Paper that lets the light / Shine through An architect could use all this
The Emigrée (1993) Carol Rumens	 Repetition of the unnamed they suggests menace and oppression The poem is written as a soliloquy, with the poet musing to herself Longer, lyrical sentences which describe the remembered city contrast with shorter, terser sentences for the current situation Repetition of sunlight shows the importance of light and as a symbol of freedom, contrasting with metaphors of isolation 	The poet is based on modern examples of emigration , where people have to flee their homes because of war, corruption, tyranny, or dictatorship	 It may be at war, it may be sick with tyrants / but I am branded by an impression of sunlight They accuse me of absence. They circle me. / They accuse me of being dark in their free city
Kamikaze	Italics are used to show direct speech, adding to the impact of the mother's words Colour Imagery similes and metaphors suggest the vibrancy of life that	Kamikaze were suicide attacks made by Japanese soldiers in WWII, where	 dark shoals of fish flashing silver as their bellies 19

English Literature: Poetry Knowledge Organiser (Anthology and Unseen Poetry)

	Subject terminology	Definition
1	Simile	A comparison made using the words 'like' or 'as'
2	Metaphor	A comparison – made directly or indirectly – without using 'like' or 'as'
3	Personification	Giving human characteristics to something which is not human
4	Onomatopoeia	Words which attempt to imitate sounds
5	Alliteration	A repetition of consonant sounds
6	Plosive	'b,' 'p,' 't' and 'd' sounds – which can be harsh, aggressive or shocking
7	Sibilance	Repeated 'S' sounds – most often caused by 's' 'ss' and 'c.' These can be harsh, smooth or sickly
8	Assonance	A repetition of vowel sounds
9	Anaphora	A repetition of words, phrases or clauses
10	Juxtaposition	Two things being placed close together for contrasting effect
11	Oxymoron	A figure of speech in which two contradictory things are placed together in a way which makes peculiar sense, e.g. 'friendly fire'
12	Semantic field	A set of words relating to the same topic. 'Foul' and 'Shot' would appear in the semantic field of sports
13	Antithesis	Placing contrasting ideas together
14	Ambiguity	A word, phrase or situation where there are two or more possible meanings and it is unclear which is the correct one
15	Cliché	An overused phrase or saying
16	Hyperbole	Exaggeration
17	Irony	A use of words to mean something very different from what they appear to mean

18	Rhyme	The repetition of syllable sounds – usually at the ends of lines, but sometimes in the middle of a line (internal rhyme)
19	Couplet	A pair of rhyming lines which follow on from one another
20	Stanza	A group of lines separated from others in a poem
21	Enjambment	The running over of a sentence from one line to the next without a piece of punctuation at the end of the line
22	Caesura	A stop or a pause in a line of poetry – usually caused by punctuation
23	Blank verse	Poetry written in non-rhyming, ten syllable lines
24	Dramatic monologue	A poem in which an imagined speaker address the reader
25	Elegy	A form of poetry which is about the death of its subject
26	End-stopped	A line of poetry ending in a piece of punctuation which results in a pause
27	Lyric	An emotional, rhyming poem, often describing emotions
28	Parody	A comic imitation of another writer's work
29	Quatrain	A four-line stanza
30	Sestet	A six-line stanza
31	Sonnet	A fourteen-line poem with a clear rhyme scheme, usually on the topic of love for a person, object or situation
32	Free verse	Non-rhyming, non-rhythmical poetry which follows the rhythms of natural speech
33	Metonymy	A related item or attribute is used to replace the word normally used, e.g, 'suit' used to replace businessman
34	Pathetic fallacy	When a character's feelings, thoughts or emotions are displayed through the environment around them, e.g. when a character is depressed and it is raining
35	Persona Narrative voice	The voice/speaker of the poem who is different from the writer
36	Protagonist	The main character in a poem
37	Volta	A turning point in the line of thought or argument in poem

KNOWLEDGE ORGANISER FOR YEAR 10 FRENCH GCSE - CYCLE 2

1) Act	tivities	Technology l	Jse Continued	10) Past Tens	e Time Phrases	16) Subject	ts / Teacher Opinions
Je cherche pour	I look for	Répondre	To reply	Hier	Yesterday	Je suis doué pour ça	I'm gifted
Des renseignment	Information	Appeller mes amis	To call my friends	La semaine derniere	Last week	Je profit e de	I benefit from
Je sauvgarde	l save	Regarder les clips	To watch clips	Il y a deux demaines	Two weeks ago	Ça me fait rire	It makes me laugh
J'enregistre	I record I read forums	Parler au Skype	To speak on Skype	Depuis un mois	For a month	Je m'intéresse à	I'm interested in
Je lis les forums		Télécharger	To download		positions	Cela m'est égal	It doesn't bother me
•	nportants - Avoir	Voir des films	To see films	Devant	In front	Ça m'embêtte	It annoys me
J'ai _	I have	Faire des achat enligne	To purchase online	Derrière	behind	Je m'ennuie	I get bored
Tu as	You have	Se connecter	To be connected	En face de	facing	Je suis d'accord	l agree
II a	He has	Chercher des sites	To look for sites	A côté de	next to	Le prof	The teacher
Elle a	She has	7) Op	oinions		ion Words	Nous motive	Motivates us
Nous avons/ on a	We have	L'avantage c'est	The advantage is	Où -	Where	À apprendre	To learn
Vous avez	You lot have	Les avantages sont	The advantages are	Quand	When?	Explique bien	Explains things well
Ils ont	They have	Ce qui est bien c'est	What's good is	Est ce-que	Do you?	Les choses	Things
3) Le Ver	be Pouvoir	Mauvais	Bad	Quel est	What is?	Enseigne bien	Teaches well
Je peux	I can	Je le trouve	I find it	Comment	How?	Est sévère	Is strict
Tu peux	You can	Je dirais que	I would say that	Avec qui?	With whom?	Est sympa	Is nice
Il peut	He can	Quant à moi	According to me	13) SCHOO	L - Facilities	17)	Daily Routines
Elle peut	She can	Je pense que	I think that	Le labo	The laboratory	Je me lève	I get up
Nous pouvons/ on peut	We can	Je crois que	I believe that	Le car de ramassage	School bus	Je me couche	I go to bed
le ne peux pas	I can't	Selon moi	According to me	Une piste	Track	Je me lave	I wash
On ne peut pas	We can't	8) Adj	ectives	De l'athleisme	The athletics	Je me réveille	I wake up
4) Le Ver	be Vouloir	Utile	Useful	La salle	The room	Je quitte la maison	I leave the house
Je veux	l want	Pratique	Practical	Les vestiaires	Lockers	Je prends	I have
Tu veux	You want	Lent	Slow			Le dejeuner	Lunch
I veut	He wants	Compliqué	Complicated	14) Schoo	ol Subjects	Je fais mes devoirs	I do my homework
Elle veut	She wants	Économique	Good value	Le commerce	Business	18)	School Rules
Nous voulons / on veut	We want	Rapide	Fast	Le dessin	Art	Mâcher	To chew
Vous voulez	You all want	Bonne / mauvaise	Good / bad	Le Français	French	Du chewing gum	Gum
Ils veulent	They want	Qualité	Quality	L'espagnol	Spanish	Être à l'heure	To be on time
Je ne veux pas	I don't want	Un gaspillagee	A waste	La chimie	Chemistry	Être en retard	To be late
On ne veut pas	We don't want	Une perte	A waste	La biologie	Biology	Être agressif	To be aggressive
5) La Ted	chnologie	De temps	Of time	La géographie	Geography	Être poli	To be polite
Un portable	A laptop / phone	Divertissant	Fun	L'informatique	ICT	Dire des gros mots	To say rude words
Un téléphone portable	A mobile phone	Entrainant	Entertaining	15) Quantifier	s / Comparative	Faire l'imbecile	To be silly
Un appareil	A camera / device	9) Past Activiti	ies - With Avoir	Plus que	More than	19) Future	Plans - Future Simple
Une clé USB	A USB key	Dépensé	Spent	Moins que	Less than	Je ferai	I will do
6) Techn	ology Use	Posté	Posted (online)	Le plus	The most	Un diplôme	A degree
le l'utilse pour	I use it in order to	Regardé	Watched	Le moins	The least	Mon bac	My A levels
le l'utilise afin de	I use it in order to	Téléchargeé	Downloaded	Assez	Quite	Je serai prof	I will be a teacher
II faut	One must	Parlé	Spoke	Trop	Too	J'irai à l'université	I will go to uni
On doit	We must	Vu	Saw	Un peu	A little	J'aurai	I will have
Lire mes messages	Read messages	Fait	Did	Beaucoup	A lot	Je travaillerai	I will work
Envoyer des textos	Send texts	Lu	Read	Le moindre	The least	Je ferai un stage	I will do work experience
Liivoyei des textos	Jenu texts	Lu	ncau	LC IIIOIIIUIE	THE least	Je Terar un Stage	I will do work experience

Weather Hazards & Climate Change

A. CIRCULATION CELLS					
Hadley	Air rising	Near Equator hot			
Cell	Low pressure	& moist = tropical			
Ferrel	Air sinking	30°N and S of Eq			
Cell	High pressure	Hot & dry = desert			
	Air rising	Weakest cell			
Polar Cell	Low pressure				

EDEXCEL A GCSE GEOGRAPHY (9-1)				
B. CA	USES OF CLIMATE CHANGE			
Solar Energy	Varies – sometimes more energy			
Volcanos Ash blocks sunlight – lower				
Milankovitch Tilt, wobble and axis of Earth				
CO ₂	Transport, energy, industry			
CH ₄ Rice paddies, livestock farming				

C. N	C. MEASURING CLIMATE CHANGE				
Ice Cores	Shows pollen & air bubbles over time				
Historical	For example, paintings, books, diaries				
Pollen	Climate was suitable for that plant				
Tree Rings	Wide ring = good growing conditions				

D. EFFECTS OF CLIMATE CHANGE				
Faringan	Melting glaciers = rising sea levels = soil loses fertility			
Environment	Melting sea ice = Gulf Stream changes = colder W Europe			
Doonlo	Crop yield = less food, less money, poor health = sickness			
People	Warmer areas means mosquitoes carry malaria further			

E. UK CLIMATE					
Past	Medieval Warm Period (950-1100), Little Ice Age (1600-1685)				
Temperate	Colder in north and at higher altitudes in the south				
Wind	From south-west over Atlantic Ocean = more wet air in SW UK				
Rainfall	More rainfall in west but falls over Pennines and dry over east				

	F. TROPICAL STORMS						
Conditions for Tropical Storms (x4)		Risks of Tropical Storms (x4)			cal Storms (x4)		
	Water	27°C	Light wind sheer	High winds		nds	Intense rainfall
	Coriolis	Effect	Thunderstorms		Landsli	des	Storm Surges
	G. SANDY (USA)			H. HAIYAN (PHILIPPINES)			
S	Soc	150 killed, no electricity		S	Soc	6000 died. Travel disrupt.	
Impacts	Eco	\$65bn. Tourism stopped		Impacts	Eco	\$2bn.	Charity donated \$
7	Env	Raw sewage, leaked water		Ir	Env	Chem	ical leaks, oil spill
es	Ind	Donating to charity concert		es	Ind	Donations to charities	
Responses	Org	Red Cross – shelter, food		Responses	Org	WHO	helped gvt
Re	Gvt	Gvt office to help rebuild		Re	Gvt	Focus	on Tacloban City

I. DROUGHT							
Meteorological Causes An area rec			ceives less than average precipitation				
Ну	/drologic	al Causes	Water supp	oplies are used up, e.g. groundwater			
Нι	ıman Cau	ıses	Deforestat	ion, dar	n-buildii	ng, agriculture	
J. CALIFORNIA (USA) K. ETHIOPIA (EASTERN AFRICA)				PIA (EASTERN AFRICA)			
mpacts	Ppl	Loss of food and income Gvt money for drought River low = no salmon Wildfires = wildlife killed		acts	Ppl	Loss of crops = income Poor diet = sicknesses	
Imp	Env			Impacts	Env	Extinct = Grevy Zebra Fires = 200,000ht/yr	
es	Ind	Efficient irrigation		es	Ind	Live Aid = raised money	
Responses	Org	Uni of Cali-res	earch help	Responses	Org	Oxfam – helping water	
Re	Gvt	Law for 25% water cut		Re	Gvt	USA - \$128m for food	
	22						

Changing Cities

EDEXCEL A GCSE GEOGRAPHY (9-1)

A. KEYWORDS				
Urbanisation Process moving to urban are				
Suburbanisation Process moving to suburbs				
Regeneration	Giving an area a new purpose			
Decentralisation	Companies moving out of city			
QOL	Quality of life			
Natural Increase	High birth rate, low death rate			

B. PATTERNS OF URBANISATION				
Developed	Urbanisation in 19 th Century during industrial period.			
Developing & Emerging	Rapidly urbanising now> Rural-urban migration (rural job decline and attraction of U) -> Natural increase			

C. FACTORS AFFECTING UK PATTERNS						
N W E	North /West	Pennines mountains & wet weather = rural				
	South /East	Flatter area, dry and sunnier = more urban areas				
2/2	Politics	Gvt funding affects city growth				
. A Trans	History	Industrial Revolution - rapid growth				

D. BIRMINGHAM CONTEXT					
Site	Plateau, dry, faces south	Population	1.1 million		
Situation	tuation Central with good roads		CBD – Bullring shopping Inner City - Sparkbrook		
Connect	Airport, rail, M5, M6	Structure	Suburbs - Edgbaston		

G. MEXICO CITY CONTEXT					
Site	Island on Lake Texcoco	Population	1950 = 2m. 2010=19m		
Situation	Flat, mountains nearby	Ctructuro	Inner city = slums		
Connect	A link from N/S America	Structure	Rural-urban fringe = slums		

E. BIRMINGHAM CHANGES					
Retail (shopping)				lı	mmigration
De	Decline Bullring to help bring £ National Old out (retire), young in		d out (retire), young in		
Cer	ntres	Out of town, more space	Interna	In	the past to fill employment
Internet		24hr, "armchair" shopping	Impacts	Young, global, services stress	
Economy				Structure	
1	Deind	ustrialisation	18th/19th C		Urbanisation
2	Factories move - decentralisation		1920s/30s		Suburbanisation
3	Workers needed retraining		1970-1990)	Counter-urbanisation
4	Visual and environ pollution		1990+		Re-urbanisation

H. MEXICO CITY AFFECTED BY FAST GROWTH				
Inequality Immigration				
Wages	1/3 earn below \$4 daily	National	Searching for better QOL	
Education	Poorest average 2yrs	Interna	Wealthy Europeans = offices	
Services	No running water / pool	Impacts	Stress resources. Conflict. Air	

F. MAKING BIRMINGHAM MORE SUSTAINABLE			
Transport	Birmingham City Council – Hybrid Buses save 378t of ${\rm CO_2}$		
Employ/Education	Youth Promise = provide employment, training teachers		
Houses & Health	Housing Trust=1500+ new houses, more energy efficient		

I. EFFECTS OF RAPID URBANISATION		
Housing	Many migrants, houses aren't built fast enough = slums/squatters	
Employment	Some in informal economy, e.g. collecting rubbish, or underemployed	
Pollution	Pollutants trapped by mountains, \uparrow air pollution = respiratory diseases	
Services	Services can't deal with numbers, e.g. 13,000 tonnes of rubbish daily	

J. GOVERNMENT POLICIES TO IMPROVE MEXICO CITY'S QOL			
Social	\$8000 wooden pallet homes (easy to move) to help housing		
Economic	2011 - Barter Market – exchanging waste for food vouchers		
Environmental	In 2005 – Metrobus – reduced 35,000 tonnes of CO ₂ a year		

Health and Social Care Knowledge Organiser: Component 1 Human Lifespan Development

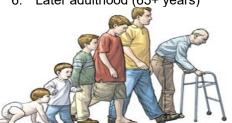
Learning Aim A: Understand human growth and development across life stages and the factors that affect it

How do people grow and develop throughout their lives? How can factors such as lifestyle choices and relationships affect this? Understanding these processes is essential knowledge and understanding for health and social care practitioners.

A1 Growth and Development Across Life Stages

Lifestages

- 1. Infancy (0 2 years)
- 2. Early childhood (3 8 years)
- 3. Adolescence (9 18 years)
- 4. Early adulthood (19 45 years)
- 5. Middle adulthood (46 65 years)
- 6. Later adulthood (65+ years)



Holistic Development

- 1. Physical development Physical growth and physiological change
- 2. Intellectual development Developing thinking and language skill and common activities that promote learning and development
- 3. Emotional development Developing feelings about self and other
- 4. Social development Forming relationships

A2 Factors Affecting Growth and Development

1. Physical Factors

- a) Genetic inheritance
- b) Diet and lifestyle choices
- c) Experience of illness and disease
- d) Appearance

2. Economic Factors

- a) Income / wealth
- Material possessions

3. Social, Cultural and Emotional Factors

- a) Educational experiences
- b) Culture, e.g. community involvement, religion, gender
- c) Influence of role models
- d) Influence of social isolation
- e) Personal relationship with friends and family



Learning Aim B: Investigate How Individuals Deal with Life Events

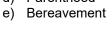
B1 Different Types of Life Events

1. Physical Events

- a) Accident / injury
- b) III health

2. Relationship Changes

- a) Entering a relationship
- b) Marriage
- c) Divorce d) Parenthood



3. Life Circumstances

- a) Moving house, school or job
- b) Exclusion from education
- Redundancy
- Imprisonment
- Retirement



B2 Coping with Change Caused by Life Events

- 1. How Individuals Adapt to These Changes
- 2. Sources of Support
 - a) Family, friends partners
 - b) Professional carers and services
 - c) Community groups, voluntary and faith based organisations

3. Types of Support

- a) Emotional
- b) Information, advice
- Practical help, e.g. financial assistance, childcare, transport



A: Algebraic Notation		
ab	$a \times b$	
3 <i>y</i>	$3 \times y$	
a^2	$a \times a$	
a^3	$a \times a \times a$	
a^2b	$a \times a \times b$	
$\frac{a}{b}$	$a \div b$	
t+t+t+t	4t	
$t^2 + t^2 + t^2$	$3t^2$	

Year 10 Foundation Maths Knowledge Organiser		
	C: Venr	n Diagrams
ξ	Universal set	A

A intersect B

A and B

Not A

D : Sequences		
Square numbers	1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225	
Cube numbers	1, 8, 27, 64, 125, 216	
Triangular numbers	1, 3, 6, 10, 15, 21, 28, 36, 45, 55	
Fibonacci sequence	0, 1, 1, 2, 3, 5, 8, 13, 21, 34	

B: Probability		
Probability Number of successful outcomes Total number of possible outcomes		$A \cap B$
P(A) Probability of event A		
P(not A)	1-P(A)	
Predicted number of outcomes	Probability × number of trials	$A \cup B$
P(A and B)	$P(A) \times P(B)$	
P(A or B)	P(A) + P(B)	A'
Experimental probability	Frequency of event Total frequency	

$A \cup B$	A union B A or B	A B
Α'	Complement of A	A B

E: Percentages		
Change a decimal to a percentage	× 100	
Change a percentage to a decimal	÷ 100	
Multiplier for increase of 15%	1. Add 15% to 100% 2. Divide by 100 (= 1.15)	
Multiplier for decrease of 15%	 Subtract 15% from 100% Divide by 100 (= 0.85) 	
Percentage change	$\frac{\text{Actual change}}{\text{Original amount}} \times 100$	
Compound growth and decay	Starting amount \times multiplie r^n where n is the number of years	

A : Se		C: Venn D	iagrams		Higher Maths edge Organiser	F: Proportion				
Square numbers	1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225		Universal	A B		D: Sampling		<i>y</i> is directly	y h	
Cube numbers	1, 8, 27, 64, 125, 216	ξ	set		Random sample	Each item has the same chance of being selected	y = kx	proportional to <i>x</i>		
Triangular numbers	1, 3, 6, 10, 15, 21, 28, 36, 45, 55	$A \cap B$	A intersect B	A B	Stratified sample	The number of people taken from each group is proportional to the group size	$y = kx^2$ $y = k\sqrt{x}$	y is directly proportional to the square of x	<i>y x</i>	
Fibonacci sequence	0, 1, 1, 2, 3, 5, 8, 13,	71112	A and B		Qualitative data	Data that can be counted or measured, e.g. height or weight				
Tibonacci sequence	21, 34		A union B B A or B	A B B	Quantitative data	Data that must be described in words, e.g. hair colour		y is directly proportional to the square root of x	<i>O x</i>	
	robability	$A \cup B$			Discrete variable	Data that can only take certain values, e.g. number of people				
P(A)	Probability of A		Complement	A B	Continuous variable	Data that can take any value within a range, e.g. height of students			ν ή	
P(A and B)	$P(A) \times P(B)$	A'	of A Not A		E: Standard Form		$y = \frac{k}{x}$	y is inversely proportional to x	0 x	
P(A or B)	P(A) + P(B)				Standard form $a \times 10^n$					
P(not A) = (for mutually exclusive events)	1-P(A)	$A' \cap B$	B but not A	A	а	A number between 1 and 10	$y = \frac{k}{x^2}$	y is inversely proportional to the	y • • • • • • • • • • • • • • • • • • •	
Relative frequency	Frequency Total number of trials				n	A positive or negative integer	x ²	square of x		

Topic 1: Elizabethan Government								
1. Elizabeth's Popularity	 November 1558 – Elizabeth I became the Queen at 25 years old January 1559 – Elizabeth's coronation took place at Westminster Abbey Elizabeth used portraits to project her royal authority Portraits were hung in the homes of nobles to show their loyalty to the Queen Elizabeth travelled the country on royal progresses staying in the homes of nobles Royal progresses allowed Elizabeth to keep a close eye on the nobility 							
2. The Royal Court	Royal Court = the monarch and the people they are surrounded by The Royal Court was the centre of political power and travelled with the Queen on royal progresses Ladies in waiting were an important group as they had unlimited access to the Queen							
3. Factional rivalry	 Factions = rival groups competing for power Factions developed as members of the court competed for the Queen's attention Elizabeth used patronage to ensure loyalty and to stop one group becoming more powerful than the other Patronage = When the monarch provides a reward, e.g. land in recognition of support The most significant factional rivalry was between Robert Dudley and William Cecil 							
4. Privy Council	 Privy Council = selected by the Queen to provide her with advice and govern the country Elizabeth did not have to accept the advice of the Privy Council William Cecil (Lord Burghley) – Elizabeth's chief minister and served as Secretary of State Robert Dudley (Earl of Leicester) – Elizabeth's favourite Sir Francis Walsingham – responsible for Elizabeth's secret service 							
5. Local Government	 Elizabeth relied on a body of trusted officials to maintain law and order Counties – the large areas of England, e.g. Kent and Essex Lord Lieutenant – a noble in each county that ensured laws were upheld, supervised the JPs and reported to the Queen Justices of the Peace (JPs) – appointed to maintain law and order at a local level and oversee court cases The sheriff – collected taxes, appointed juries and delivered prisoners to court Parish constable – carried out basic policing duties at a local level, e.g. patrolling the streets 							
6. Parliament	 Parliament only met at the request of the Queen and was closed when not in used Elizabeth called just ten in her forty four year long reign For twenty-six years, parliament did not call because Elizabeth had not summoned it Parliament was made up of two bodies: The House of Commons – elected men from across England The House of Lords – non-elected men with high status, e.g. nobles and bishops 							
7. Clashes with Parliament	Extraordinary revenue – when parliament raise taxes to provide the Queen with additional money, e.g. during times of war Elizabeth did not allow parliament to discuss certain topics, e.g. marriage or the succession							
8. Success of Elizabethan Government	 Elizabethan government was at its strongest in the 1570s and 1580s Elizabeth was highly effective playing the factions against each other, ensuring that she remained in control Local government was effective at maintaining law and order during Elizabeth I's reign 							

Topic 2: Lifestyles of the Rich and Poor								
9. Elizabethan Society	 There was a very clear difference in the standard of living between the rich and poor The Great Chain of Being = that everyone had a place in society decided by God Approximately 20% of the population lived on the verge of starvation 							
10. Social Hierarchy	 Nobles = incredibly wealthy and great land owning families Gentry = wealthy and lesser land owning families Lower classes = very low paid workers, e.g. farmers The poor = those living close to the poverty line / unemployed 							
11. Homes - the Rich	 Homes included large glass windows, chimneys and were made of brick Long galleries were used for recreation, socialising and displaying portraits Many built large new homes to show their wealth, e.g. William Cecil's Burghley House 							
12. Fashion - the Rich	 Clothes were made of the finest materials, e.g. silk and velvet Fine jewels were sewn into clothes to display wealth 							
13. Education – the Rich	 Sons of nobles were taught by the most educated tutors at their homes Theology, classics and languages, e.g. French and Latin, were taught 							
14. Homes - Lower Classes	 Small homes, such as cottages, with little more than one room Homes often had an earth floor and were made of timber (wood) The lower classes often shared their homes with their livestock (animals) 							
15. Fashion - Lower Classes	 Poverty meant the poor couldn't afford many items of clothing Clothing was practical for work, not fashionable 							
16. Education – Lower Classes	 The lower classes had little to no education – the majority were illiterate Some would receive basic education from their parish church (local church) 							
17. The Poor	 Impotent poor – those genuinely unable to work and in need of support, e.g. the old Able-bodied poor – those capable of work but unable / unwilling to find employment Vagrants – unemployed people that travelled looking for charity and work 							
18. Causes of Poverty	 Rising population – 2 million in 1558 to 4 million in 1603 Rising inflation – wages fell but prices rose Rural depopulation – more competition in urban areas, e.g. towns, for work 							
19. Early Poor Laws	 Vagrancy Act (1572) – severe punishments for vagrants Act for Relief of the Poor (1576) – Houses of Correction to be built in each county 							
20. 1601 Poor Law	 1601 Poor Law acted as the foundation for poor relief Contributions to local poor rates were made compulsory across the nation Beggars were whipped and sent back to their place of birth Alms-houses were set-up to provide relief for the impotent poor 							
21. Effectiveness of the Poor Laws	 The poor laws did not end poverty but did introduce a system to manage poor relief The laws did provide relief to many people in need For the first time the government was taking action to tackle poverty Poverty did continue to rise throughout the Elizabethan era 							

GCSE History | The Elizabethan Age, 1558 - 1603

3. Entertainment | 4. Religious Settlement | 5. Catholic Threats

Topic 3: Elizabethan Entertainment								
22. Entertainment	 Life in the Elizabethan era was hard and mortality rates were high Sundays and religious festivals were the only times people had away from work Entertainment was popular as it provided an escape from normal life 							
23. Cruel sports	Bear baiting, cockfighting and bull baiting were very popular cruel sports Cruel sports were popular with all members of society, especially as people would bet on the outcome The Bear Pit in Southwark, London could accommodate 1,000 people							
24. Entertainment for the Rich	 The rich had the wealth and leisure time to engage in a range of pastimes Archery, hawking and dancing were all popular forms of entertainments Hunting was especially popular with the nobility 							
25. The Development of Theatre	 No theatres were built in London in 1559 – by 1603 there were many The first purpose-built theatre opened in London in 1576 The Globe, home to Shakespeare's productions, opened in 1599 Theatres became very popular with all members of society and attracted large numbers 							
26. Opposition to the Theatre	 There were concerns that theatres could cause civil disobedience (rebellions) 1572 – the law stated the theatre companies had to have a licence to perform a play Theatres had to be built outside of London's city walls Theatres were places of crime, e.g. pickpocketers and beggars were common Puritans believed theatres tempted people to live sinful lives 							

Theatre	Puritans believed theatres tempted people to live sinful lives								
Topic 4: The Religious Settlement									
27. Religious problems	• Catholics saw Elizabeth as an illegitimate Queen and had loyalty to the Pope								
28. The 'Middle Way'	 Elizabeth adopted a 'middle way' – a way to ensure obedience and loyalty from all Protestantism was made the official religion of England A new protestant Prayer Book and the Bible in English were printed The structure of the church was kept the same, with bishops and archbishops Catholics would be fined for not attending church, rather than persecuted 								
29. 1559 legislation	 Act of Supremacy – Elizabeth was made 'Supreme Governor of the Church of England' The clergy (churchmen) had to swear the Oath of Supremacy Act of Uniformity – all churches were to hold the same services Everyone had to attend church on Sunday or pay a fine Royal injunctions were sent out to ensure the clergy were following the acts 								
30. Reactions to the Settlement	 250 priests out of 9,000 refused to swear the Oath of Supremacy Bishops that were strict Catholics resigned Philip II of Spain and the Pope hoped the changes were temporary and did not act against the settlement 								
31. Success	 In the first ten years of Elizabeth's reign her 'middle way' was accepted by the majority Religious upheaval and persecution was brought to an end Opposition from extreme groups remained, e.g. Puritans and Recusants 								

Topic 5: The R	eligious Settlement
32. Early Tolerance	 For the first ten years of Elizabeth's reign, tolerance was shown towards Catholics Fear of rebellion from powerful Catholic nobles was one reason for tolerance The constant threat of foreign invasion was another reason for tolerance towards Catholics
33. Mary, Queen of Scots	 1568 - arrived in England after a forced abdication from Scotland Mary was a devout Catholic with a claim to the throne of England Some Catholics saw Mary as the legitimate Queen of England
34. Rebellion of the Northern Earls	 1569 – a force of 4,600 men began a rebellion against Elizabeth in Durham (north England) Led by the Earls of Northumberland and Westmoreland The aim was to depose Elizabeth and replace as Queen with Mary, Queen of Scots The rebellion failed – both the earls were executed and over 400 rebels were hanged The Council of the North was established led by the Earl of Huntington, a Puritan
35. Papal Bull	 1570 – Pope Pius V issued a Papal Bull which excommunicated Elizabeth Elizabeth was referred to as a heretic and 'servant of wickedness' Catholics were freed from any loyalty to Elizabeth and encouraged to remove her 1571 – The Treason Act made refuting Elizabeth's authority a crime punishable by death
36. Ridolfi Plot	 1571 – plot organised by Ridolfi, a merchant from Florence (Italy) It planned for a Spanish army to land in England and overthrow Elizabeth and replace her with Mary as Queen Ridolfi and De Spes (the Spanish ambassador) were expelled from the country
37. Throckmorton Plot	 1583 – Francis Throckmorton (an English Catholic) plotted to depose Elizabeth It planned for French and Spanish forces to land in England backed by money from the Pope Throckmorton was discovered, tortured and executed Mary was moved to a more secure location, Tutbury Castle and was not allowed visitors
38. Babington Plot	 1586 – Anthony Babington planned to free Mary from captivity and assassinate Elizabeth Letters using a cipher code were sent between Mary and Babington Walsingham and his network of spies uncovered the letters which proved Mary's guilt Babington and six other plotters were executed
39. Trial of Mary	 October 1586 – Mary was put on trial for conspiracy against the Queen Mary was found guilty of 'imagining and encompassing her Majesty's death' Elizabeth initially refused to sign the death warrant but eventually did so in 1587 8th February 1587 – Mary was executed at Fotheringhay Castle
40. Recusants	 Recusants = Catholics that refused to accept the religious settlement Seminary priests = Catholic priests trained in Europe to re-establish Catholicism in England Jesuits = European Catholics that swear an oath of loyalty to the Pope 1568 – A Catholic training college was set up in Douai 438 seminary priests were sent to England
41. Dealing with Recusancy	 1581 – increased fine of £20 for recusants 1581 – attempts to convert people to Catholicism made a treasonable crime 1585 – all Jesuit and seminary priests ordered to leave the country or death 98 priests sentenced to death

GCSE History The Elizabethan Age, 1558 - 1603								
Topic 6: The S	panish Armada							
42. Philip II of Spain	 Philip II of Spain – King of Spain, which was the most powerful nation in the world Philip was a devout Catholic and saw it as his mission from God to remove Protestantism Spanish Inquisition = Spain's plan to find heresy and destroy it The execution of the Catholic Mary Queen of Scots push Philip to launch an armada 							
43. Rebellion in the Netherlands	 The Netherlands were a possession of Catholic Spain 1566 – Dutch Protestants rebelled against Spanish rule Duke of Alba sent with 10,000 Spanish troops to ruthlessly put down the rebellion 1,000 Protestants rebels were burnt to death 							
44. Elizabeth and Dutch Protestants	 1575 – a second rebellion in the Netherlands caused the country to split The south made peace with Spain, the north rejected Spanish rule 1584 – William of Orange (leader of the Dutch Protestants) was assassinated 1585 – Treaty of Nonsuch – Elizabeth promised to protect the Dutch Protestants Earl of Leicester was sent to the Netherlands with 5,000 troops 							
45. English Privateers	 Privateers = a ship and crew paid by the government for a specific purpose 1570s & 1580s – Elizabeth secretly encouraged English privateers to attack Spanish ships Sir Francis Drake – England's most well known privateers sailed on 'The Golden Hind' Between 1577 and 1580 Drake took Spanish treasures back to England worth £140,000 							
45. Philip's Plan	 Armada – a collection of war ships 1586 – Philip ordered the construction of an armada The armada would set sail from Lisbon and anchor off the coast of Calais The Duke of Parma would then join from the Netherlands with 17,000 troops Spanish forces would then invade England and depose Elizabeth 							
47. Attack on Cadiz	 April 1587 – Drake attacked a Spanish fleet gathered in Cadiz harbour Important timber supplies used for the construction of barrels were also destroyed Drake's attack 'signed the King of Spain's beard' and delayed the Armada for a year 							
48. Weaknesses in Philip's Plan	 Philip ignored advice to delay the launch of the armada The Duke of Medina Sidonia was chosen to lead the armada – he was inexperienced and easily seasick After it set sail the armada was hit by a storm and had to seek refuge to repair the ships 							
49. Threat posed	 England's land forces were weak and did not know where the Spanish might have landed English soldiers were inexperienced and poorly equipped Spanish fleet consisted of 130 galleons (large war ships) compared to England's 54 ships 							
50. The course of the Armada	 29th July 1588 – the Armada was sighted off the coast of Cornwall The Armada sailed in a crescent formation making it hard for English ships to attack 6th August 1588 – the Armada anchored off the coast of Calais The Duke of Parma's forces were delayed and not ready to meet the Armada 							
51. The course of the Armada	 The English used fireships to force the anchored Armada to break their formation The Spanish ships were forced to cut their anchor chains in a hasty escape 8th August 1588 –Battle of Gravelines was a key turning point with 1,000 Spanish killed Strong winds pushed the Spanish north around the coast of Scotland Many ships were shipwrecked because of winds – 25 off the coast of Ireland Of the 130 original ships, only 67 made it back to Spain 							

6. The Spanish Armada | 7. Puritan Threats

Topic 7: The P	Puritan Threats
52. Puritans in England	 Puritans = radical / extremist Protestants Wanted to rid the church of all Catholic associations and follow a 'pure' worship Forced to leave England due to persecution when it was a Catholic nation Returned to England when Elizabeth became Queen and wanted more Puritan reforms
53. Puritan Beliefs	 Opposed religious practices not mentioned in the Bible Strongly disagreed with decorations and candles inside churches Did not believe that bishops should be included in the church hierarchy Opposed gambling, swearing, drunkenness and the theatre
54. Types of Puritans	 Moderate – accepted the Religious Settlement, but hoped for more Protestant reforms Presbyterians – wanted to abolish bishops and create committees of elders elected by the congregation of each church Separatists – wanted to break away from the national church and allow each church to be independent
55. Vestment Controversy	 Archbishop of Canterbury – the most senior member of the clergy (churchmen) Vestments = robes worn by priests during church services 1566 – Matthew Parker (Archbishop of Canterbury) published his Book of Advertisements Parker gave rules for conducting church services and wearing vestments 37 priests refused to wear vestments - a challenge to Elizabeth's authority All priests who refused were dismissed from their posts
56. Thomas Cartwright	 Thomas Cartwright – Professor of Divinity at Cambridge University 1570 – Cartwright began lecturing on a Presbyterian system of church His proposals were rejected and he was forced to live in exile in Geneva
57. John Stubbs	 1579 – Stubbs published his pamphlet criticising Elizabeth for entering into marriage talks with the Duke of Anjou Stubbs was arrested and imprisoned for 18 months Elizabeth had his right hand cut off so he could never write again
58. Marprelate Tracts	 1588-89 – anonymous pamphlets were published The pamphlets criticised the church and its bishops The pamphlets used obscene language which lost the Puritans' support
59. Challenges from Parliament	 1571 - Walter Strickland proposed a new Book of Prayers and the banning of Vestments 1576 - Peter Wentworth was imprisoned after complaining that MPs did not have freedom of speech 1587 - Anthony Cope called for the abolition of bishops and the Book of Prayers; he was imprisoned as a result
60. Prophesyings	 Prophesyings – public meetings where people discuss the Bible and practice preaching 1576 – Elizabeth ordered Archbishop Grindal to ban prophesyings 1583 – Archbishop Whitgift demanded uniformity and ordered prophesyings to stop 300 members of the clergy refused and were dismissed 1593 – Act against Seditious Sectaries – allowed for separatists to be executed and those who attended unauthorised meetings to be arrested



MEDIA BTEC KNOWLEDGE ORGANISER 3; PRODUCTION TECHNIQUES — EDITING AND SOUND

together in post-production CONTINUITY EDITING Editing style to make a film as realistic as possible SOUND ASYNCHRONOUS Sound not me framing to another EYELINE MATCH EYELINE MATCH EVELINE MATCH SOUND ASYNCHRONOUS SOUND AMBIENT SOUND Natural sound Natural sound Natural sound AMBIENT SOUND	ned to movements natched to nds from the setting	
TRANSITIONS CONTINUITY EDITING Editing style to make a film as realistic as possible ASYNCHRONOUS SOUND STRAIGHT CUT An instant change from one framing to another EYELINE MATCH Editing style to make a film as realistic as possible CUtting from characters to what they see AMBIENT SOUND Natural soun		
STRAIGHT CUT An instant change from one framing to another EYELINE MATCH Cutting from characters to what they see AMBIENT SOUND Natural	ds from the setting	
TARE III		
FADE IN A dark screen that gradually brightens to a shot All shots of a single scene should be from the same 180° plane DIALOGUE Speech		
FADE OUT A shot that gradually darkens to a dark screen A shot that gradually darkens to a dark screen MATCH ON ACTION Cutting from one shot to another with matching action VOICEOVER Narrative from the character with matching action	om an off-screen	
WIPE A line that passes over the DIRECT ADDRESS When a dialog	When a dialogue is directed to the camera / audience	
characters POV one after another SOUND BRIDGE Sound that c	ontinues from one	
DISSOLVE One shot gradually disappears whilst the next appears whilst the next appears MOTIF A sound that	ner : is associated with a	
MATCH CUT Creates a cut between two character / p	character / place	
MONTAGE EDITING to condense space, time and information to condense space, time and information Exaggerated	sounds	
CUT AWAY A cut that draws attention to something particular Deriving more meaning from the MUSIC		
CROSSCUTTING Alternating between two narratives THE KULESHOV EFFECT interaction between shots than just the shots themselves ASSOCIATIVE Music that evok physical response p		
JUMP CUT Two shots of the same subject VISUAL EFFECTS PARALLEL Music that compared to the same subject PARALLEL PARA		
taken from only slightly different SUPERIMPOSTION The exposure of more than one image screen scene		
on a film strip CONTRAPUNTAL Music that does	not fit with or	
PACE CGI (COMPUTER GENERATED Using computer graphics to add to or change images in a film DIACETIC Sound from on some		
FAST PACE Frequent cuts between shots Work done on a film after the recording Work done on a film after the recording	creen action	
SLOW PACE Infrequent cuts between shots POST-PRODUCTION Work done on a fill after the recording has taken place NON-DIAGETIC Added sound, e.	g. soundtrack	



MEDIA BTEC KNOWLEDGE ORGANISER 3; PRODUCTION TECHNIQUES — EDITING AND SOUND

CINEMATOGRAPHY	Photography and camera-	LIGHTING					NE What we see on the	
	work in film making.	HARD LIGHT (LOW KEY)		Cre	eates sharp shadows		screen	
ANGUES		SOFT	SOFT LIGHT (HIGH KEY)		Creates less contrast between light and dark		F MISE EN SCENE	
ANGLES	Shot from above to make		FRONTAL LIGHTING		ninates shadow	SETTING	Where the film's action	
HIGH ANGLE			DE LIGHTING		adow from the side		takes place	
	sometiming seem smaller	BACK	LIGHTING	Silh	nouettes objects and people by lighting them from behind	PROPS	Any movable objects in a	
LOW ANGLE	Shot from below to make	UND	ER LIGHTING	Sha	adow from below	1	scene	
EYE LEVEL	Shot from neutral angle	ТОР	LIGHTING	Sha	adow from above	HAIR/MAKE UP	The way a character is presented physically	
CANTED ANGLE/	Off centre/unbalanced	THRE	E POINT LIGHTING	POINT LIGHTING Key light, fill light and back light used to illuminate the subject to create depth		COSTUME	The clothes worn by characters	
SHOTS			MOVEMENTS				Positioning of people/	
ESTABLISHING SHOT	Usually a distant framing th	nat	PAN		Horizontal movement		objects on the screen	
	introduces a key idea/perso	on/	PRACTICAL EXTENSION		Camera stays at a consistent distance from the subject			
	place		CRANE		Moving the camera aerially via crane	DESCRIBING	MISE EN SCENE	
CLOSE-UP	A shot that shows an object person in a way that fills the	THT			Vertical movement			
	screen	C	TRACKING		Movement through space to follow a subject	NATURALIST	C Realistic and relatable	
LONG SHOT	A shot in which the scale of	f the	the DOLLY		Support with wheels from tracking shots			
	object shown is small.	ZOOM/REVERSE ZOO		ОМ	A rapid movement to or from close up		Theatrical and	
MEDIUM SHOT	A shot between a long shot	and	and HANDHELD		Camera movement as if held by a character/spectator		unrealistic; stylised	
	a close up		STEADICAM A		A device for smoother hand held footage		Simple and ordinary;	
AERIAL SHOT			ok- FRAMING			SIMPLISTIC	few objects/	
POINT OF VIEW	ing down		RULE OF THIRDS		Framing using a nine box grid		characters on screen	
POINT OF VIEW	A shot from the position of character's eyes	a	FRAMING	_	How things are visible		Very busy, with many	
TWO-SHOT	A shot with two figures in t	he	CENTRALLY FRAMED		Object/Character is in the middle of the frame		characters and	
	frame		TIGHTLY FRAMED		The object/character shown fills the screen		objects on screen	

MEDIA BTEC LEVEL 1/2 KNOWLEDGE ORGANISER 2; GENRE, NARRATIVE, REPRESENTATION AND

AUDIENCE INTERPRETATION								NARRATIVE, STORY OR PLOT?		
TODOROV NARRATIVE THEORY			NARRATIVE DEVICE	ATIVE DEVICES			STORY	A series of events		
Five stages to every story			CAUSE AND EFFECT		Showing the reasons for action before the action		PLOT	The order of events in a film, including how long each event is		
1	EQUILIBRIUM	Normal/Usual life		ELLIPSIS		Missing/Skipping information or time			focused on for	
2	DISRUPTION	A problem	happens	ELLII 313		wissing/skipping information of time		NARRATIVE	The combination of story and	
3	RECOGNITION	The probler	m is recognised	WITHHOLDING AND	RELEASING	NG Revealing information gradually to maintain interest and mystery			plot	
4	REPAIR	An attempt	to solve the problem	ENGIMA CODES		Questions left unanswered		NARRATIVE STRUCTURES		
5	NEW		ormal, or new way of	BINARY OPPOSITES				LINEAR/ CHRONOLOGICAL	Action that is shown in the order that it happened	
KE	EQUILIBRIUM life after events KEY TERMS							DUAL NARRATIVE	A film split between two narrative perspectives	
Та	rget Audience		Who a product is aime	ed at	at			MULTI NARRATIVE	A film split in to more than two	
Se	condary Audiend	ce	Any smaller groups that	at may also be attracte	ittracted to a product				narrative perspectives	
Ge	nre		The category or style of	a media product				META-FICTIVE	Action framed by a narrator; a	
Ну	brid Genre		A combination of more	e than one genre				NARRATIVE	story within a story	
Su	b-genre		A small and precise pa	rt of a genre				RAGMENTED NARRATIVE	A deliberately non-linear	
Icc	nography		The way a genre, style	or certain range of pr	roducts looks			VARIONITY	narrative	
	ACTI				THREE AC	T STRUCTURE				
	ACT I Beginning		ACT II Middle	ACT III End		Introduc		ction of setting, protagonist, antagonist and problem		
[PLOT POIN	IT 1 Th	he incitin	g incident: Turns the s	story in a new direction	
ا	SETUP CONFRONTATION			RESOLUTION	ACT 2		t least ha ne proble	half of the story, in which the protagonist tries to resolve		
	Plo	t Point I	Plo	t Point II	PLOT POIN	OT POINT 2 The clin		actic turning point: A solution is offered to the problem		
_		3	3 Act Structure		ACT 3	Th	he conflic	t is resolved and narra	ative closure is provided	

MEDIA GCSE KNOWLEDGE ORGANISER 3; ADVERTISING AND MARKETING - GALAXY TV, NHS TV & OMO PRINT AD CSPs

CONVENTIONS OF AD	OVERTISING	REPRESENT		MISE EN SCENE	What we see on the screen		
MUSIC	An inspiring soundtrack used to engage with the audience	YEAR	2016	ELEMENTS OF MISE EN SCENE			
	engage with the addictice	ORGANISATION	DRGANISATION NHS		Where the film's action takes place		
STRAPLINE	The slogan of the advert; the line that is repeated across a	PURPOSE	RPOSE To increase the number of BAME blood donors				
	campaign.	FORM	Hybrid of music video and social action advert	PROPS	Any movable objects in a scene		
CELEBRITY	The use of a star to endorse the product	STRAPLINE	Do something amazing, give blood	HAIR/MAKE UP	The way a character is presented physically		
LOGO	The symbol used to represent	MOON RIVER		COSTUME	The clothes worn by characters		
1000	the organisation or product	YEAR	2014	333.3			
100100010111		ORGANISATION	Galaxy	PROXEMICS	Positioning of people/objects on the		
ICONOGRAPHY	The look and symbols of the advert, including typography	PURPOSE	To increase sales of Galaxy chocolate	CINEMATOGRAP	screen HY—SHOTS		
MODE OF ADDRESS	The way that the advert speaks	FORM	Pastiche.	CLOSE-UP	A shot that shows an object /		
	to the audience	STRAPLINE	Why have cotton when you can have silk?		person in a way that fills the screen		
PRODUCT	Shots the show the use and purpose of the product	WOMEN'S OWN		LONG SHOT	A shot in which the scale of the		
USP		YEAR	1955		object shown is small		
USP	Unique selling point—what makes the product different	ORGANISATION	омо	MEDIUM SHOT	A shot between a long shot and a close up		
		PURPOSE	To increase sales of OMO washing powder	AERIAL SHOT	A moving shot from above		
PERSUASIVE	Language used to convince the audience of the message	FORM	Print (Magazine)				
LANGUAGE		STRAPLINE	OMO adds brightness to whiteness	POINT OF VIEW	A shot from the position of a character's eyes		

MEDIA GCSE KNOWLEDGE ORGANISER 4; FILM INDUSTRY - DOCTOR STRANGE & I, DANIEL BLAKE CSPs

KEY TER	MS		BRITISH FILM CLASSIFICATION B	ODY British Board of Film Classification (BBFC)		
BLOCKB	JSTER	A film made with a high budget and recognisable stars	Dr Strange (2016)			
STAR PO	WER	The appeal that a famous actor brings to	DIRECTOR	Scott Derrickson		
		a film	PRODUCTION COMPANIES	Marvel Studios		
DIRECTO	PR POWER	The appeal that a famous director brings to a film	BUDGET	\$165–236.6 million		
GLOBALI	SATION	The presence and influence of (film) companies internationally	BOX OFFICE TAKINGS	\$677.7 million		
VERTICA	L INTEGRATION	When conglomerates own companies at more than one stage of the production	CERTIFICATE (REASONS)	12A, moderate fantasy violence, injury detail		
		cycle	COUNTRIES DISTRIBUTED TO	52		
HORIZOI	NTAL INTEGRATION	When conglomerates own more than one company at the same stage of the	MARKETING TIE INS	Yakult, Google Maps, Lamborghini, Merchandising (toys, etc.)		
		production cycle	I, Daniel Blake (2016)			
INDEPEN	IDENT CINEMA	Films made outside of the big Hollywood studios	DIRECTOR	Ken Loach		
PRODUC	TION PROCESS		PRODUCTION COMPANIES	Sixteen Films, Wild Bunch, Why Not Productions (BFI, BBC Films)		
1	PRE-PRODUCTION	Planning for production work	BUDGET	Under £5 million		
2	PRODUCTION	The actual making of the product	BOX OFFICE TAKINGS	\$15.8 million		
3	POST-PRODUCTION	Any editing and reworking needed	CERTIFICATE (REASONS)	15, very strong language		
4 DISTRIBUTION		Getting the product in to the world	COUNTRIES DISTRIBUTED TO	23		
5	EXHIBITION	Showing the product to the audience	MARKETING TIE INS	T-shirts		

	Islam - Beliefs and Teachings													
Section 1: Nature of God (Allah) Section 2: Prophethood		Se	Section 3: Angels		Sec	ction 5: Afterlife								
1	Tawhid	The oneness of	1	Risalah	The line of communication between God and His		Malaikah		Heavenly immortal beings, God's first creation.	1	Signs of the end of the	The most important one will be the appearance of a man		
2	Immanent	God. God is always	2	Adam	The first prophet, known as	2	Nature of angels		Invisible and exist everywhere in the universe.		world	called Mahdi- the saviour from end of time events. Other signs include:		
	iiiiiaiieiit	close by.	3	Ibrahim	father of the human race. Known as hanif. He had inner	3	Jibiril		The angel of revelation to the prophets.			abundance of earthquakes, common killing, rejection of		
3	Transcendent	God is beyond all things, not			knowledge that there was only one God.	4	Mika'il		The gatekeeper of heaven.			Islam, increase in dishonesty, nakedness and fornication.		
		limited by laws of nature.	4	Musa	Freed the Israelites from slavery in Egypt.	5	Azrail		Takes the soul at death.					
4	4 Omniscient God is all knowing.	5	Dawud Israel's greatest king who made Jerusalem holy for	6	Raqib and	Atid	The 'noble recorders'.	l						
					Muslims.	7	Munkar ar	nd	The angels that will question	İ				
5	Beneficent	God is all loving.	6 Isa	Isa	Was given the injil (Gospel).		Nakir	the dead in their graves to test their faith.						
	Delicine in	Cou is an ioving.	7	Muhammad	Muhammad (pbuh) is seen as	Muhammad (pbuh) is seen as the perfect role model for				test their futth.				
6	Merciful	God is always fair and forgives those who repent.			Muslims because of the moral and prayerful way he lived his life.	8	Israfil		Responsible for blowing the trumpet on judgement day.	2	Day of judgement: test	Barzakh- where all souls are in waiting until the final trumpet blows for the Day		
		repent.	8	The Revelation	Muhammad was spoken to by	Section 4: Keywords		vords	lords			of Judgement. • Heaven- a state of joy,		
7	Judge	On the last day		on the Night of Power	the angel Jibril and received the first revelation of the	Та	whid	Mond	otheism			happiness and peace- where the righteous will live.		
		God will judge the behaviours of		(Laylatul Qadr) Qur'an.		Sh	irk	Polyt	heism			Hell- a state of torment and suffering for those who		
		Muslims.	9	Muhammad's	There is one true God.	Re	velation	God's	s words in the Qur'an			failed to pass God's test.		
8	8 Creator	God is the beginning and the cause of all that		to God through worship. There will be a judgement day where God will judge	, ,	Su	rah-	a cha	pter of the Qur'an					
					Akhirah Afte		After	terlife						
		exists.			our lives.	Ва	rzakh	The v	vaiting pace before judgement					
	•	•		•	•				<u> </u>	•	•	•		

Key beliefs	Key quotes
Nature of Allah	1. "There is no God but Allah."
Monotheism	2. "Say: He is Allah, the One and Only ; Allah, the Eternal, Absolute; He begetteth not, nor is He begotten; And there is none like unto Him."
Prophethood	1. "And to every nation we have sent a messenger."
Trophemood	2. ' Ibrahim was neither a Jew nor a Christian, but he was a hanif, a Muslim [submitting to God].
	3. 'We gave Moses the Book and followed him up with a succession of prophets."
	4. "We gave Isa signs (miracles) and strengthened him with the holy spirit."
	5. "There is no God but Allah and Muhammad is His last and final messenger."
Prophet Muhammad	"There is no God but Allah and Muhammad is His last and final messenger."
(pbuh)	2. 'Not once did I receive a revelation without thinking that my soul had been torn away.' Hadith
	3. The prophet was known as "Al-Amin" the trustworthy, for his honest and humble character.

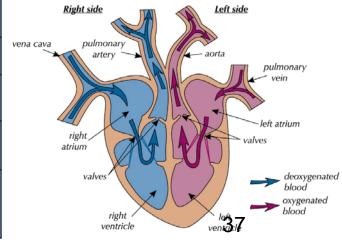
Key beliefs	Key quotes
Angels	 "Whoever is an enemy to Jibril– it is [none but] he who has brought the Qur'an down upon your heart." The prophet (pbuh) said that "Israfil is awaiting the order of blowing while He grasps
	the trumpet".3. "The Angel of Death, put in charge of you, will take your souls: then you shall be brought back to your Lord."4. "Noble recorders"
	5. They (Munkar & Nakir) will ask "Who is your Lord? Who is your prophet? What is your Book?"
Qur'an	 'We have sent down to you the Book as clarification for all things and as guidance and mercy and good tidings for the Muslims.' "We have revealed it to you on the Night of
Life after death	Power." 1. 'Every soul shall have a taste of death.'

Biology Topic 2: Organisation (Paper 1)

1	Cell	Building block of life
2	Tissue	A group of similar cells that work together to complete a function
3	Organ	A group of different tissues that work together to complete a function
4	Organ System	A group of organs working together to complete a function
5	Iodine	Turns blue/black when added to starch
6	Benedict's Reagent	Turns brick red when heated with reducing sugars, e.g. glucose
7	Biuret Reagent	Turns lilac when added to protein
8	Sudan III Test	Forms a bright red layer when mixed with lipids
9	Enzyme	A protein molecule that acts as a biological catalyst
10	Substrate	A molecule that is broken down by an enzyme
11	Active Site	The part of an enzyme that the substrate fits into
12	Amylase	Enzyme that breaks down starch into sugars; produced in the salivary glands and the pancreas
13	Protease	Enzyme that breaks down proteins into amino acids; produced in the stomach and the pancreas
14	Lipase	Enzyme that breaks down lipids into glycerol and fatty acids; produced in the pancreas
15	Bile	A liquid that neutralises stomach acid & emulsifies fats; produced in the liver and stored in the gall bladder
16	Denatured	When the active site of an enzyme changes shape, so the substrate can no longer fit
15	Factors Affecting Enzyme Activity	 High temperatures cause enzymes to denature Very high or very low pH cause enzymes to denature Substrate concentration Enzyme concentration
16	Red Blood Cell	Carry oxygen to body cells. Biconcave disc shape gives them a large surface area. Contain haemoglobin, which binds to oxygen

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	17	White Blood Cell	Part of the immune system, which defends us against infection by microbes; some engulf microbes, others produce antibodies
	18	Platelets	Small fragments of cells, responsible for blood clotting
	19	Plasma	Liquid that carries cells, nutrients, hormones, water and urea
	20	Arteries	Blood vessels that take blood away from the heart; they have thick muscular walls and elastic fibres to cope with high pressure
	21	Veins	Blood vessels that take blood back to the heart; they have valves to prevent the backflow of blood and a large lumen
	22	Capillaries	Blood vessels that carry blood to every cell; they are one cell thick to provide a short diffusion distance
	23	Coronary Heart Disease	When the coronary arteries, which supply the heart with blood, are blocked by fatty deposits. This restricts the supply of oxygen to the heart and can cause a heart attack
	24	Stent	A surgical device inserted into an artery to keep it open, as a treatment for heart disease
	25	Statins	A drug that reduces the amount of cholesterol in the blood, reducing the risk of heart disease. Some side effects, e.g. headaches / memory loss
1	26	Communicable Disease	Can be spread between people, e.g. measles and malaria
	27	Non- communicable Disease	Cannot be spread between people, e.g. asthma and cancer
	28	Cancer	Uncontrolled cell division leading to the build-up of a tumour
	29	Malignant Tumour	When tumour cells break off and spread to other parts of the body through the bloodstream, which can be fatal. Tumours that do not spread are called benign

30	Epidermal Tissue	Covers the surface of a leaf
31	Palisade Tissue	Where most photosynthesis takes place in the leaf, as the cells have many chloroplasts
32	Xylem	Tubes that carry water and mineral ions from the roots to the leaves. Made of dead cells and strengthened with lignin
33	Phloem	Tubes that carry sugars from the leaves to other parts of the plant (known as translocation). Made of long cells with pores in each end
34	Stomata	Pores in the lower epidermis that allow gases to diffuse in and out of the leaf
35	Guard Cell	Responsible for opening and closing the stomata. Stomata close at night to prevent water loss
36	Transpiration	Loss of water from a plant. Water moves up the xylem and then evaporates from the stomata
37	Factors Affecting Transpiration	Light intensityTemperatureAir flowHumidity

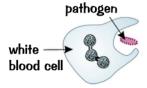


Biology Topic 3: Diseases & Infections (Paper 1)

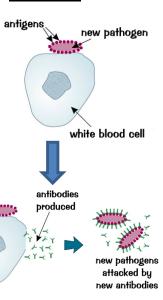
1	Pathogen	Micro-organism that causes disease
2	Bacteria	Make toxins that damage cells
3	Salmonella	Caught by eating food that contains bacteria. Bacteria make toxins that cause fever, stomach cramps & vomiting
4	Gonorrhoea	Bacteria that spread through unprotected sex; causes genital discharge. Some strains of the bacteria are now resistant to antibiotics
5	Viruses	Replicate inside your cells – the damage this causes makes you ill
6	Measles	Virus spread in the droplets released when a person coughs or sneezes. Causes fever & red rash and sometimes serious complications
7	HIV	Virus spread through unprotected sex & drug use. Attacks the immune system, leading to AIDS. Treated with antiretroviral drugs
8	Tobacco Mosaic Virus	A viral disease of plants that discolours leaves, preventing photosynthesis
9	Fungi	Form thread-like arms called hyphae, which penetrate defences. Spread by making spore
10	Rose Black Spot	Fungus that spreads through wind or water, causing leaf spots that prevent photosynthesis
11	Protists	Single-celled eukaryotes, often carried by another animal that spreads the disease (called a vector)
12	Malaria	Caused by a protist, which is spread by mosquitoes. Causes potentially fatal fever
13	Infected Water	A way that disease can be spread, e.g. cholera
14	Airborne	A way that disease can be spread, e.g. by breathing in droplets produced when a person infected with influenza coughs / sneezes
15	Direct contact	A way that disease can be spread, e.g. touching a floor infected with athlete's foot fungus or having unprotected sex with someone with gonorrhoea

16	Preventing transmission of disease	 Good hygiene, e.g. washing hands with antibacterial handwash Isolating people with the disease Destroying vectors
17	Physical defences	 Skin acts as a barrier Saliva & tears contain antibacterial enzymes Mucus traps microbes, which are swept out by cilia Stomach acid kills pathogens
18	Painkillers	Drugs that relieve symptoms, but don't cure the disease, e.g. aspirin
19	Antibiotics	 Medicines that kill <u>bacteria</u>, but <u>NOT viruses</u> Some bacteria have mutated to become resistant to antibiotics, e.g. MRSA
20	Phagocytosis	When white blood cells destroy pathogens by engulfing them
21	Antibodies	Produced by white blood cells to destroy pathogens
22	Antitoxins	Produced by white blood cells to neutralise toxins
23	Immune	If you're infected by the same pathogen again, the body quickly produces antibodies to kill the pathogen before it makes you ill
24	Vaccines	Contain <u>dead / weakened pathogens</u> . The body recognises their antigens and you become immune – but the weakened pathogens don't make you ill
25	Preclinical Trials	Drugs are tested on human cells and animals in the lab to check if they are poisonous.
26	Clinical Trials	Phase 1: Test low doses on healthy volunteers to check for side effects Phase 2: Test on patients, comparing the effect of a placebo versus the drug
27	Double Blind Trial	The effect of a new drug is compared with a placebo (fake drug) to see if the drug works; neither the doctor nor the patient know who has been given the placebo
28	Peer Review	When the results of scientific studies are checked by other scientists to ensure they are of high quality

Phagocytosis:



Production of antibodies:



Physical defences:

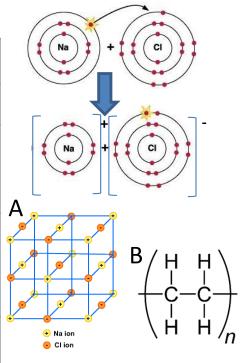


Chemistry Topic 2: Structure & Bonding (Paper 1)

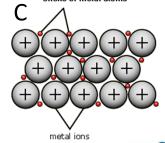
1	Metal	An element which loses electrons to form positive ions
2	Non Metal	An element which gains electrons to form negative ions
3	Positive Ion	An atom that has lost electrons to gain a positive charge
4	Negative Ion	An atom that has gained electrons to gain a negative charge
5	Electrostatic	The force between a positive and negative charge
6	Ionic Bond	A bond formed by the electrostatic attraction between positive and negative ions
7	Ionic Lattice	Hundreds of positive and negative ions arranged in rows, with strong electrostatic forces holding them together
8	High Melting Points	A property of ionic compounds. This is because a lot of energy is needed to break the strong electrostatic attraction between the ions
9	Conduct Electricity	Ionic compounds conduct electricity when melted or dissolved in water, because the ions can move to carry a current
10	Aqueous	When a substance is dissolved in water
11	Covalent Bond	When two atoms share a pair of electrons
12	Chlorine Molecule	CI X CI
13	Oxygen Molecule	0 0
14	Low Melting Points	A property of covalent compounds. This is because little energy is needed to break the weak intermolecular forces between the molecules

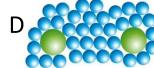
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	17	Non- conducting	A property of covalent compounds. There are no delocalized electrons to carry a current
	18	Polymer	Many small units (monomers) joined together with covalent bonds to form a large molecule
	19	Diamond	 Each carbon atoms covalently bonded to four others Very high melting point, due to strong covalent bonds. Does not conduct electricity
	21	Graphite	 Each carbon atom covalently bonded to three others Weak bonds between the layers, allowing them to slide over each other Contains delocalised electrons, which allow it to carry an electrical current
	22	Graphene	A single layer of graphite – a layer of inter-locking hexagonal rings of carbon atoms one atom thick
	23	Fullerene	Hexagonal rings of six carbon atoms with hollow shapes, e.g. buckminsterfullerene forms a sphere
	24	Nanotubes	Thin cylinders, with high strength and electrical and thermal conductivity. Could also be used for drug delivery into the body, as well as lubricants and catalysts
	25	Metallic Bonding	Consists of rows of positive metal ions, surrounded by a 'sea' of delocalised electrons
	26	Properties of Metals	 Conduct electricity because delocalised electrons carry a current High melting and boiling point (see previous explanation) Malleable because layers of ions slide over each other
	27	Alloy	 A mixture of two metals with another element, e.g. steel is an alloy or iron and carbon Harder than pure metals as different sized atoms stop the layers sliding over each other

Ionic bonding:









- D Alloy:
- C Metallic bonding:
- A Ionic lattice:
- <u>B Polymer:</u>

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Chemistry Topic 3: Quantitative Chemistry (Paper 1)

1	Conservation of Mass	 Atoms can never be created or destroyed In a reaction, the total mass of reactants always equals the total mass of products
2	Decreases in Mass	Mass may seem to decrease in a reaction if a gas is released, e.g. when magnesium reacts with acid to make hydrogen
3	Increases in Mass	Mass may seem to increase in a reaction if one of the reactants is a gas, e.g. when magnesium reacts with oxygen to make magnesium oxide
4	Relative Formula Mass	 The sum of the atomic masses of each atom in the formula For example CO₂: C = 1 x 12, O₂ = 2 x 16 12 + (2 x 16) = 44
5	Percentage by Mass	You can calculate the percentage mass of an element in a compound, using the formula:
		Percentage mass of an element in a compound $= \frac{A_r \times \text{number of atoms of that element}}{M_r \text{ of the compound}} \times 100$
6	Concentration	 The mass of a substance in a given volume of solution Measured in g/dm³
7	1dm³	 = 1 litre = 1000 cm³
8	Calculating Concentration	$\frac{\text{concentration}}{\text{in } g/\text{dm}^3} = \frac{\text{mass of solute}}{\text{volume of solvent}} = \frac{\text{in } g}{\text{in } dm^3}$
9	Solute	Solid that dissolves
10	Solvent	Liquid that a solute can dissolve in
11	Solution	When a solute is dissolved in a solvent
	· · · · · · · · · · · · · · · · · · ·	

Higher Tier Only

17	Mole	The amount of a substance that contains 6.02x10 ²³ particles				
18	Mole Equation	Number of moles = $\frac{\text{mass in g (of an element or compound)}}{M_r \text{ (of the element or compound)}}$				

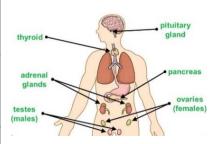
	Knowledge Organiser Physics Topic 2 – Electricity									
Charge, Current, Resistance, Potential Difference				Energy in Circuits						
2	Charge (Coulombs) Current (Amps)		Electrons are transferred when objects become charged The rate of flow of electric charge		1	Power	Power (Watts) = Current (Amps) x Potential $= \frac{Potential\ Difference\ (Volts)}{Current\ (Amps)}$		ial Difference (V)	
-	Current (/ unpo	" .	Measured using an ammeter connected in series		2	Resistance	When current passes through a resistor, the power			
3	Resistance (Of	nms) .	 = Potential Difference (Volts) Current (Amps) Electrons have to push their way through vibrating atoms in the metal 		Ĺ	Heating supplied to the resistor heats it			une power	
					3	Fuses	A fuse contains a thin wire which will break if too much current passes through it			
4	Potential Difference (Volts)		• = $\frac{E_1}{}$	ergy transferred per coulomb of charge nergy Transferrred (J) Charge (Coulombs) asured using a voltmeter connected in parallel	4	Energy Transfer	nergy = Charge (Coulombs) x Potential Difference (Volts			
Cor	nponent Characte	ristics			5	Efficiency	$= \frac{Output\ Power\ (W)}{Input\ Power\ (W)}\ \chi$	100		
1	Ohms Law			Current through a resistor at a constant temperature is directly proportional to the potential difference across a resistor. A	Na	National Grid				
			conductor which obeys this rule is described as an ohmic conductor		1	Direct Current Current goes in one direction only				
2	Filament Lamp	Corners		Current is not directly proportional to potential difference. The resistance increases as the temperature of the filament lamp	2	Alternating Current	· · · · · · · · · · · · · · · · · · ·	Repeatedly reverses its direction. Its frequency is the number of cycles per second		
			increases		3	Mains Circuit Has a live wire and a neutral wire, an alte potential difference occurs between the		_		
3	Diode	Current.	Only allows current to pass through it in one direction, this stop a circuit being damaged if the battery is connected the wrong way	4	National Grid A nationwide network of cables and transferring electricity from power station					
					5	Step Up Transformer	Used at a power station to increase vol decrease current so less power is lost h		_	
4	LDR	The resis	tance	of a light dependent resistor decreases if light intensity increases	6	Step Down	Used at homes to decrease voltage so it is safe to use			
6	Thermistor	The resis	tance	of a thermistor decreases if temperature increases		Transformer				
Ser	ies and Parallel Ci	rcuits			Ci	rcuit Symbols				
1	Series Circuit Rules		• (Potential difference is shared between the components Current is the same everywhere Fotal Resistance = $R_1 + R_2 +$	F	ilament Lamp	Cell	Switch	-A- Ammeter	
2	Parallel Circuit Rules		• 1	For components in parallel, the potential difference across each component is the same Total current is the sum of the currents through separate branches The total resistance of two components in parallel is less than the resistance of the resistor with the least resistance		Resistor	Variable Resistor	Light Emitting Diode	41 Voltmeter	

Biology Topic 5: Homeostasis (Paper 2)

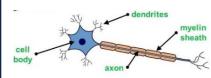
1	Homeostasis	Maintaining a constant internal environment Body temperature, blood glucose and blood water content are all regulated				
2	Stimulus	A change in the environment				
3	Effector	An organ that carries out a response (a muscle or a gland)				
4	Hormone	A chemical messenger that travels in the bloodstream and causes a response over a wide area				
5	Gland	An organ that releases hormones into the bloodstream, e.g. pituitary gland / pancreas				
6	Insulin	Released by the pancreas when blood glucose levels are too HIGH Causes glucose to be converted to glycogen				
7	Glucagon	Released by the pancreas when blood glucose levels are too LOW Causes glycogen to be converted to glucose				
8	Type 1 Diabetes	 A condition where the pancreas does not release insulin Controlled by insulin injections, dietary restrictions and exercise 				
9	Type 2 Diabetes	 A condition where body cells no longer respond to insulin Linked to obesity and genetics Controlled through dietary restrictions and exercise 				
10	Adrenaline	 A hormone produced by the adrenal glands in times of fear or stress It increases the heart rate and boosts the delivery of oxygen and glucose to the brain and muscles, preparing the body for 'flight or fight' 				
11	Thyroxine	A hormone released from the thyroid gland to control basal metabolic rate				

12	FSH	 A hormone released by the pituitary gland to control the menstrual cycle Causes eggs to mature in the ovary Stimulates the ovary to produce oestrogen 			
13	Oestrogen	 A hormone released by the ovary to control the menstrual cycle Causes the uterus lining to thicken Stops the pituitary gland releasing FSH 			
14	LH	 A hormone released by the pituitary gland to control the menstrual cycle Causes the ovary to release an egg into the oviduct 			
15	Progesterone	 A hormone released by an empty egg follicle to control the menstrual cycle Maintains the lining of the uterus Inhibits the release of FSH and LH 			
16	IVF	 In vitro fertilisation Women are treated with FSH and LH, then eggs are collected Eggs are fertilised in the lab using a sample of sperm Embryos are surgically implanted into the mother 			
17	Neurone	 A nerve cell; carries electrical messages Adaptations are dendrites (for connection to other nerve cells) and myelin sheath (insulates the nerve and speeds up electrical impulses) 			
18	Synapse	 A gap between two neurones Messages are carried across by chemicals called neurotransmitters 			
19	Sensory Neurone	A neurone that carries a message from a receptor to the central nervous system			
20	Relay Neurone	 Part of a reflex arc, so only involved in involuntary actions, e.g. blink reflex, knee jerk reflex Connects a sensory neurone to a motor neurone, bypassing the brain 			
21	Motor Neurone	Connects the central nervous system to effectors			

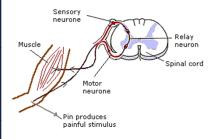
<u>Glands</u>



Neurone



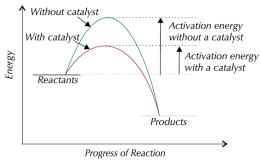
Reflex arc

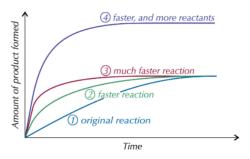


Chemistry Topics 6 Rates of Reaction Paper 2)

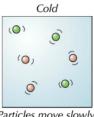
1	Rate of Reaction	How quickly reactants are turned into products				
2	Collision Theory	The rate of reaction depends on: • Frequency of collisions between reacting particles • Energy transferred during each collision				
3	Activation Energy	The minimum energy that particles must have to successfully collide				
4	Rate of Reaction Equation	Quantity of reactant used Time taken OR Quantity of product formed Time taken				
5	Factors Which Affect the Rate of Reaction	 Temperature Concentration of reactants (or pressure if it is a gas) Surface area Presence of a catalyst 				
6	Catalyst	Speeds up the rate of reaction by lowering the activation energy without being used up or changed				
7	Effect of Increasing Temperature	 The particles will move faster so will collide more frequently The particles will collide with more energy (more successful collisions) 				
8	Effects of Increasing Concentration	There are more particles in a fixed volume so they will collide more frequently				
9	Effect of Increasing Gas Pressure	The particles are in a smaller space and therefore closer together so will collide more frequently				
10	Effect of Increasing Surface Area	More particles are exposed and able to collide in a set period of time				

11	Reversible Reactions	The products can react to produce the original reactants. The reaction is exothermic in one direction and endothermic in the other direction						
12	Closed System	When nothing can escape or get in						
13	Equilibrium	When the rate of forward reaction and backward reaction are equal in a reversible reaction. The amount of products and reactants will remain constant						
		HIGHER TIER ONLY						
14	Le Chatelier's Principle	If you change the conditions of a reversible reaction at equilibrium, the system will try to counteract the change						
15	Decreasing Temperature in a Reversible Reaction	 The rate of the exothermic reaction will increase so the amount of product for the exothermic reaction increases The rate of the endothermic reaction will decrease so the amount of product for the endothermic reaction decreases 						
16	Increasing Temperature in a Reversible Reaction	 The rate of the exothermic reaction will decrease so the amount of product for the exothermic reaction decreases The rate of the endothermic reaction will increase so the amount of product for the endothermic reaction increases 						
17	Increasing the concentration of Reactant in a Reversible Reaction	The rate of the forward reaction will increase so more product will be made to reach equilibrium again						
18	Increasing the Concentration of Product in a Reversible Reaction	The rate of the backward reaction will increase so more reactant will be made to reach equilibrium again						

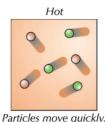




Rate of reaction = change in y/change in x



Particles move slowly. Not many collisions.



Particles move quickly.
Lots of collisions.
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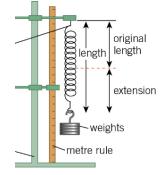
Physics Topic 5: Forces

(Paper 2)

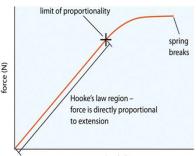
1	Vector quantity	Quantity with size and direction – e.g. velocity, force, displacement, acceleration.		
2	Scalar quantity	Quantity with size only – e.g. speed, distance, mass.		
3	Contact force	When 2 objects have to be touching for a force to act – e.g. friction, air resistance.		
4	Non-contact force	When 2 objects do not have to be touching for a force to act – e.g. magnetic force, gravitational force.		
5	Newtons (N)	The unit of force		
6	Mass	The amount of matter in an object, measured in kilograms (kg)		
7	Weight	☐ The force acting on an object due to gravity. ☐ Weight = Mass x Gravitational Field Strength		
8	Resultant force	The overall force acting on an object		
9	Work done	 □ The energy transferred when a force moves an object. Measured in Joules (J) or Newton metres (Nm). □ Work done = Force x Distance 		
10	Resolving forces	A force acting at an angle can be split into a horizontal force and a vertical force		
11	Elastic deformation	When an object can return to its original shape and length after the force on it is removed.		
12	Direct proportion	□ As one quantity increases, the other increases by the same percentage – e.g. extension of a spring is directly proportional to the force on it. □ Force = Extension x Spring Constant		
13	Limit of proportionality	When the force applied to a spring is so great that it becomes <u>inelastically</u> deformed. Extension of the spring will no longer be proportional to force.		
14	Displacement	This measures the distance and direction that an object has travelled in a straight line from its starting point to its finishing point.		

15	Typical speeds	 □ Walking = 1.5 m/s □ Running = 3 m/s □ Cycling = 6 m/s □ Plane = 250 m/s 						
16	Acceleration	 The change in an object's velocity within a certain time. Measured in m/s². Acceleration = Change in velocity Time taken 						
17	Drag	 The frictional forces experienced when an object passes through a fluid (e.g. air resistance). Drag increases as speed increases. 						
18	Terminal velocity	 When the drag forces on a falling object (e.g. parachute jumper) equal its weight. The object stops accelerating and reaches its maximum speed. 						
19	Newton's first law	 A resultant force is needed to change the motion of an object E.g. if an object is moving at 5 m/s and the resultant force is 0N, it will carry on moving at 5 m/s. The object's tendency to keep moving at this constant speed is called <u>inertia</u>. 						
20	Newton's second law	 ☐ The acceleration of an object is proportional to the resultant force on it and inversely proportional to its mass. ☐ Resultant force = Mass x Acceleration 						
21	Newton's third law	When 2 objects interact, the forces they exert on each other are equal and opposite.						
22	Light gates	A pair of sensors that can calculate an object's speed and acceleration.						
23	Stopping distance	Stopping distance = Thinking distance + Braking distance						
24	Thinking distance	Affected by: Speed Reaction time (e.g. tiredness, drugs, alcohol).						
25	Braking distance	Affected by: ☐ Speed ☐ Tyre & brake quality ☐ Weather (e.g. ice)						

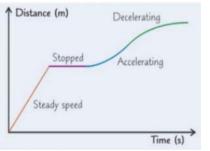
<u>Investigating the</u> extension of a spring:



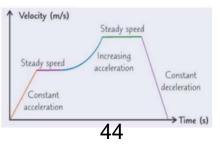
Hooke's Law:



Distance time graph:



Velocity time graph:



Y10 Spanish – Cycle 2			· ^ 2	4) ¿Dónde vives?	Where do you live?	6) ¿Cómo es tu ciudad?	What's your city like?	9) Cuando era pequeño	When I was little
	-	-		Vivo en un piso	I live in a flat	Mi ciudad ofrece	My city offers	Vivía en	I used to live in
Where I live and Technology			07	Vivo en una casa adosada	I live in a semi-detached house	Un gran almacén	A department store	Había	There was
	Ser is used for	Ser T	To be	Está en	It is located in	El ayuntamiento	The town hall	Era	It was
	Date	Soy	I am	El campo	The countryside	El puerto	The port	Iba	I used to go
0	Occupation	Eres	You are	La ciudad	The city	Una mezquita	A mosque	10) La tecnología	Technology
С	Characteristic	Es	He /she / it is	El pueblo	The town	Una fábrica	A factory	La red	The net
Т	Time	Somos	We are	Hay	There is / there are	Una iglesia	A church	Las redes sociales	Social networks
0	Origin	Sois	You all are	El salón	The living room	Las empresas	Businesses	El ordenador	The computer
R	Relation	Son	They are	El comedor	The dining room	donde se puede	where you can	Lo / las uso	I use it
2)	Estar is used fo	or Estar	To be	El dormitorio	The bedroom	Conseguir información	To get information	Para	In order to
Р	Position	Estoy	l am	El cuarto de baño	The bathroom	Coger el metro	To get the		
L	Location	Estás	You are	La cocina	The kitchen		underground	Compartir fotos	To share photos
Α	Action	Está	He /she / it is	La mesa	The table	Hay mucho que hacer	There is a lot to do	Conocer a gente nueva	To get to know new people
С	Condition	Estamos	We are	La cama	The bed	No hay nada que hacer	There is nothing to do	Subir y ver vídeos	To upload and watch videos
E	Emotion	Estáis	You all are	La silla	The chair	7) ¿Es mejor la ciudad o el campo?	Is the city or countryside better?	Colgar fotos	To upload photos
		Están	They are	El armario	The wardrobe	La pobreza	Poverty	Buscar música	To look for music
3)	La Navidad	Christm	nas	5) Las preposiciones	Prepositions	El paro	Unemployment	11) Las redes sociales	Social networks
La !	Nochebuena	Christr	mas Eve	Al lado de	Next to	Hay de todo	There is everything	Lo bueno/malo es que	The good thing is that
El <i>F</i>	Año Nuevo	New Year's Day		Detrás de	Behind	La contaminación	Pollution	Se puede	You can
La !	Nochevieja	New Y	/ear's Eve	Entre	In between	El alquiler	The rent	Mantenerse en contacto	To keep in contact
El á	árbol de Navidad	d The Ch	hristmas tree	Delante de	In front of	8) Conectores	Connectives	Aprender cosas nuevas	To learn new things
Los	s regalos	The pr	resents	A la derecha de	On the right of	Además / también	Also	Es gratis	It's free
Los	Los juguetes Th		oys	A la izquierda de	On the left of	Por un lado On the one hand		Hay el riesgo de ciberacoso	There is the risk of cyberbullying
Abr	-	To ope	en	Encima de	On top of	por otro lado on the other hand		Una falta de privacidad	A lack of privacy
Dar	r	To give	e	Cerca de	Close to	Así que / Por lo tanto	Therefore	Los jóvenes están	Young people are hooked
Rer	cibir	To rece	eive	Lejos de	Far from	Sin duda	Without a doubt	enganchados	roung people are mooked