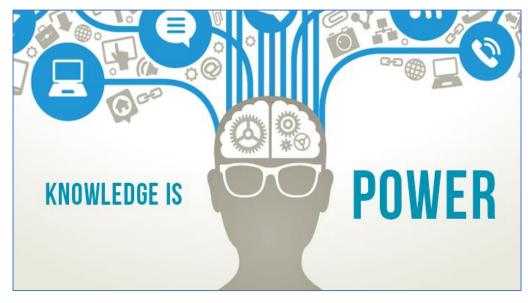
Year 10 - Knowledge Organiser #1

Mid-Year Assessments September to January/February



Kettering Buccleuch Academy 2019-2020		
Name:		
Tutor Group:		
Tutor and Room:		

"If you are not willing to learn, no one can help you." If you are determined to learn, no one can stop you."

Year 10 Knowledge Organiser #1 - Contents

Page	Subject
1	You Knowledge Organiser and Self Quizzing Book
2	How do I complete Knowledge Organiser homeworks?
3	<u>Literacy Fundamentals</u>
4	<u>Literacy Fundamentals</u>
5	Art & Design
6	Art & Design
7	Art & Design
8	Art & Design
9	Business Studies
10	<u>Business Studies</u>
11	<u>Computer Science</u>
12	<u>Computer Science</u>
13	<u>Drama</u>
14	<u>Drama</u>
15	English Language
16	English Language
17	English Literature

Page	Subject
18	English Literature
19	English Literature
20	English Literature
21	<u>French</u>
22	<u>French</u>
23	Geography
24	Geography
25	<u>German</u>
26	<u>German</u>
27	<u>History</u>
28	<u>History</u>
29	<u>IT</u>
30	<u>ΙΤ</u>
31	<u>Maths</u>
32	<u>Maths</u>
33	<u>Maths</u>
34	<u>Music</u>

Page	Subject
35	<u>Music</u>
36	<u>Music</u>
37	<u>PE BTEC</u>
38	<u>PE BTEC</u>
39	<u>PE GCSE</u>
40	<u>PE GCSE</u>
41	<u>PRE</u>
42	<u>PRE</u>
43	<u>PRE</u>
44	<u>Sociology</u>
45	<u>Sociology</u>
46	<u>Science</u>
47	<u>Science</u>
48	<u>Science</u>
49	<u>Spanish</u>
50	<u>Spanish</u>

Your Knowledge Organiser and Self Quizzing Book

Knowledge Organisers

Year 10 - Knowledge Organiser #1 Mid-Year Assessments September to January/February Annuary Name: Tutor Group:

Knowledge Organisers contain critical, fundamental knowledge that you MUST know in order to be successful in Year 10 and subsequent years.

"If you are not willing to learn, no one can help you.
If you are determined to learn, no one can stop you."

They will help you recap, revisit and revise what you have learnt in lessons in order to move the knowledge within from your short-term memory to long term memory.

Self Quizzing Book



This is the book that <u>all</u> Knowledge Organiser homework is to be completed in.

You must follow the simple rules as to how they are to be used.

You must bring your Knowledge Organiser and Self Quizzing Book to every lesson and place it on your desk at the beginning of each lesson.

You <u>must</u> keep all of your Knowledge Organisers and Self Quizzing Books because the fundamental knowledge required in Year 10 will also be required in year 11

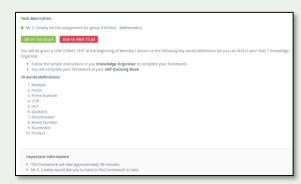
Knowledge Organisers are <u>NOT</u> a replacement for revision guides but they include the fundamental knowledge that ALL students in Year 10 require.

How do I complete Knowledge Organiser homeworks?

You will be set a MINIMUM of 2 Knowledge Organiser homeworks in every subject each half term

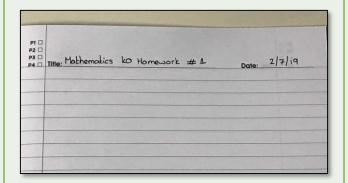
Step 1

Check SMHW and identify what words/definitions/facts you have been asked to learn.



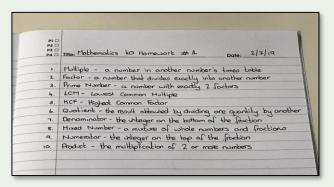
Step 2

Write today's date and the title from your Knowledge Organiser.



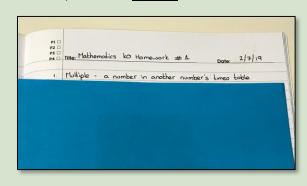
Step 3

Write out the keywords/definitions/facts you have been set from SMHW in **FULL**.



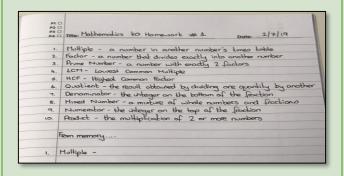
Step 4

Cover the definitions in your SELF QUIZZING BOOK, apart from the first. Read it, Cover it, Say it in your head, check it....REPEAT until confident.



Step 5

Cover up ALL the definitions/facts and write them out from memory in your SELF QUIZZING BOOK.



Step 6

Check your answers and correct where required. Repeat Steps 4 to 6 until you are confident.

You will be <u>tested</u> on the words/definitions/facts as a starter activity in your lesson on the day that the homework is due.

This will be completed in your normal exercise book and you will mark it in class.

Can I write in paragraphs?

The **TIPTOP** rule

You move onto a new paragraph when you change time, place, topic or person.

- 1. I always start an essay with an introduction which addresses the question.
- 2. I finish an essay with a conclusion to summarise the main points of my argument and to address the question again.
- 3. I use **connectives** in each paragraph to link my ideas and to put them in a logical order.
- o Furthermore
- OWhereas
- Nevertheless
- OAlternatively
- Consequently
- o But
- oSince o Yet
- oTherefore
- Besides
- o Meanwhile Nonetheless
- ○However
- OAlthough
- OMoreover

Have I used the correct grammar?

I am aware that I must use language that is appropriate to my reader.

- ❖ No slang that lesson was bangin'
- No informal language I'm gonna do my homework now

❖Other things to consider:

- ✓ I am clear about the purpose of this piece of writing
- ✓ I know who my audience is
- ✓ I will use a suitable layout and text type

I am proud of my work because...

- I have written clearly so that my reader can understand my writing easily.
- I have checked my **spelling** and corrected any errors.
- I have used full sentences with a subject and a verb.
- I have used correct punctuation and grammar.
- I have paragraphed my work using **TIPTOP**.
- My writing is suitable for the person I am writing for.

Can I spell familiar words accurately?

Common contractions

We must use an apostrophe to replace any letter(s) we have left out.

11 o'clock	How's	They'd	Where'll
Aren't	l'd	They'll	Where's
Can't	l ' ll	They're	Who'd
Couldn't	l'm	Wasn't	Who'll
Didn ' t	Isn't	We ' d	Who's
Doesn't	It'd	We ' ll	Why'd
Don't	It ' II	We ' re	Why ' ll
Hadn't	It's	Weren't	Why's
Hasn't	Mightn't	What'd	Won't
Haven't	Mustn't	What'll	Wouldn't
He ' d	Shan't	What's	You'd
He ' ll	She'd	When'd	You ' ll
He's	She ' ll	When'll	You're
How'd	She's	When's	
How'll	Shouldn't	Where'd	

Can I use different sentence types?

Simple sentences: contains a subject and a verb and can contain an object

- Sarah likes to read in the library.
- Tom enjoys reading at home.

Compound sentences: joins two simple sentences using the connectives: for, and, nor, but, or, yet, so.

• Sarah likes to read in the library but Tom prefers to read at home.

Complex sentences: A complex sentence contains a conjunction such as because, since, after, although, or when.

- Because Robert felt tired, he only studied for an
- Although the rain had stopped, the pitch was still water-logged.
- Paul enjoys Music, however, he is more proficient in Art.

Homophones

I have checked that I have not mixed up my homophones.

Basics:

- $\hfill \square$ Every sentence must start with a capital letter.
- ☐ Every sentence must finish with some form of punctuation: .?!
- ☐ Proper nouns need capital letters. These are unique people, places or things e.g. there are many cities so 'city' doesn't take a capital letter. However there is only one London, therefore it takes a capital letter.
- ☐ When writing titles of works such as books, films or plays:
 - Capitalise the first word
 - Capitalise any main/important words
 - Don't capitalise minor words such as 'and', 'of' or 'the' e.g. The Sound of Music, The Wizard of Oz, Harry Potter and the Goblet of Fire
- ☐ When writing speech:
 - ✓ Go to a new line when a different person speaks e.g. "Good morning" said the Headteacher. "It's the afternoon!" replied the student.
 - ✓ Each person's speech is marked with speech marks e.g. "Walk on the left" said Mr Mathews.

Can I spell accurately?

- 1. Sound out the word
- 2. Think about how it looks
- 3. Think about a similar word
- Is there a memory sentence for this word? (e.g. big elephants cannot always use small exits)
- 5. Find the word in a list -
 - Key words list
 - Frequently used words list
 - Your own word bank
- 6. Look it up in a dictionary/spellchecker
- 7. Ask a friend or teacher
- 8. To learn it: look, cover, write, check
- 9. Once you've solved it, add the correct spelling to your own word bank.

Can I use punctuation?

The Apostrophe

I always aim to use apostrophes correctly.

There are two main reasons why we use apostrophes: for possession and to replace a letter or letters

Note: Apostrophes are NEVER used to denote plurals

Full stop	•	indicates that a sentence has finished	
Comma	,	indicates a slight pause in a sentence,	
		separates clauses in a complex	
		sentence and items in a list	
Question mark	?	goes at the end of a question	
Exclamation	1	goes at the end of a dramatic	
mark		sentence to show surprise or shock	
Apostrophe		shows that letter(s) have been left out	
		or indicates possession	
Speech marks	un	indicate direct speech, the exact	
		words spoken or being quoted	
Colon	:	introduces a list, a statement or a	
		quote in a sentence	
Semicolon	;	separates two sentences that are	
		related and of equal importance	
Dash / hyphen	-	separates extra information from the	
		main clause by holding words apart	
Brackets	()	can be used like dashes, they separate	
		off extra information from the main	
		clause	
Ellipsis		to show a passage of time, to hook the	
		reader in and create suspense	

Apostrophe for Possession

(To show that something belongs to another)

If a single thing/person owns anything, add an apostrophe + 's'.

- •The dog's bone
- •The boy's homework
- Jones's bakery
- Yesterday's lesson

However, if it is plural (more than one), an apostrophe comes after the 's'.

- •The dogs' bones
- •The boys' homework
- Joneses' bakeries (lots of Jones families)
- •Many websites' content is educational

There/ their/ they're

<u>Note:</u> special care must be taken over the use of **there**, **their** and **they're** as they sound the same but are used quite differently:

- **❖There** shows position *Your seat is over there*
- ❖Their shows that 'they' own something Their blazers are navy blue
- They're is short for they are as in They're revising every day

ITS

Note: its, which shows that something owns something (like our, his etc), does not take an apostrophe: the dog ate its bone and we ate our dinner

Your/ you're

Note: special care must be taken over the use of your and you're as they sound the same but are used quite differently:

- **❖Your** is possessive as in this is your pen
- *You're is short for you are as in you're coming over to my house

1. The Formal Elements

- Line: Defines shape; the outer edge of something. It can vary in width, direction and length
- Tone: How dark or light a shape is
- Pattern: A repeated shape or line
- Texture: The feel or appearance of a surface; how rough or smooth it is
- **Shape:** Can be in the form of squares, circles, triangles, rectangles, and ovals.

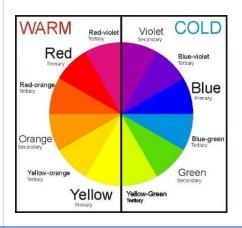
Additional Key Words

- Still Life: A painting or drawing of an arrangement of objects, typically including fruit and flowers and objects.
- Symbolism: Is when one idea, feeling, emotion, or other concept is represented by something else, like a: skull meaning death, a white dove representing peace. A red rose conveying love.
- Dominance: An object or colour that stands out in relation to the rest of the artwork.
- **Highlight:** Small areas on an artwork in which reflected light is the brightest.

3. Colour Theory

- Colour: When light is reflected of an object, colour is what the eye sees. There are primary colours and secondary colours.
- Warm Colours: Colours that give the feeling of warmth – red, orange, yellow.
- Cool colours: Colours that give a cool feeling – blue, green purple.
- Complementary colours:
 Opposite colours on the colour wheel.

- Shade: When Black is mixed with a colour to make it darker
- **Tint:** When white is mixed with a colour to make it lighter.



2. Techniques specific to: Drawing

- **Hatching:** Drawing Lines that are close together, the closer they are the darker they will appear, while lines further apart will suggest highlights.
- **Cross Hatching:** Drawing lines that cross over each other, the more lines that cross the darker the area
- Blending: Gradually blend and build tone onto your pages. Blending colours together and showing graduated tone
- **Stippling:** Applying small dots to your work the closer the dots the darker the tone appears
- **Scumbling:** Building up small scribbled lines, vary the direction of the line to add interest

4. Composition

- Composition: the arrangement/layout of shapes/objects on the page
- Proportion: The size and shape of one object in comparison to another
- Foreground, mid-ground, background: The areas at the front middle or back of a drawing or painting.
- Focal Point: The part of the artwork which stands out and draws the eye.
- **Perspective:** The way of showing that objects appear to get smaller and closer together the further away they are from the viewer.

Page 6

Year 10: September to January

Keywords specific to Painting

- Mark making: The different line, patterns and textures we create in a piece of art
- Chiaroscuro: The contrast of light and dark in a drawing or painting
- Medium: The media used to create the artwork
- Realism: Painted realistically.
- **Under painting**: An underpainting is the first layer of paint applied to a painting, which serves as a base for more layers of paint over the top.
- **Daubing**: To apply paint to a surface with fast and clumsy strokes.
- Observational: Closely studying objects
- **Oil paint**: A pigment mixed with linseed oil to slow drying and aid blending.
- **Sgraffito**: Scratching into the painted surface to reveal underpainting or create texture
- Sfumato: Soft graduated shading and tone
- **Gestural**: A painting that has been created using large sweeping movements of the hand, arm or body
- Impasto: This use of paint

Key Words specific to Printmaking

The activity of making pictures or designs by printing them from specially prepared plates or blocks

- **Plate:** The surface that is added to or cut into to create a print.
- Monoprint: A single print taken from a design
- **Etching**: An image that is created by engraving onto a plate which a print is taken from
- Collagraph: A print taken from a collaged surface.

Key Words specific to Photography

- Aperture: The size of the hole which controls how much light is allowed into the camera when taking a photograph. The higher the aperture the smaller the hole (less light)
- Focus: Areas of an image may be in focus (clear and sharp) and some areas may be out of focus (blurry and difficult to see)
- **Focal Point**: The part of the photograph that the eye is immediately drawn to
- Rule of thirds: A technique used to create a successful composition. The rule states that the focal point should not be dead centre.
- Leading lines: The viewers eyes are naturally drawn along vertical and parallel lines

Additional Fine Art Key terms

- Collage an image that is created by using layers of other images and/or materials
- **Mixed Media**: Using a variety of different media to create an artwork.
- **Sculpture**: A 3D piece of artwork.
- **Stencil**: An image that has been cut out of card and used to create an image.
- Transparent: Being able to see underneath the top layer

Key terms specific to 3D Art and Design

- Sculpture: A three-dimensional, fine art piece designed purely for aesthetics – not function
- Maquette: A small scale model to illustrate how a 2D sculpture design would look if realized in 3D
- Model Box: A scale model of a theatre set, exhibition space, interior or architectural design
- Plastic materials: Clay, papier-mâché, textiles malleable materials
- Resistant Materials: Wood, metal plastic Sheet materials that need to be cut with hand and/or power tools
- Armature: A rigid framework, often wood or steel, used to support a sculpture or other large work while it is being made.

Key Terms specific to Sculpture

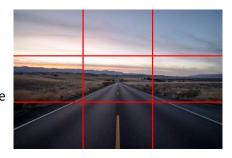
- Sculptor: An artist who works in 3D
- Carving: The sculptor removes unwanted material to create the form. Materials such as a block of wood, stone, soap and other hard materials are used.
- Modelling: The sculptor creates a form by building it up. Clay, papier-mâchê, and other soft materials are modelled into a sculpture. Modelling with clay is generally the first process for creating a cast metal sculpture.
- Assembly or construction: The sculptor joins materials together. This is also additive sculpture.
 Materials such as steel, wood, and found materials are glued, welded, or connected in some way to create a sculpture.
- Freestanding Sculpture: A piece that is finished on all sides. It can stand-alone. Designed and made to be viewed from all angles
- Relief Sculpture: Shapes that project from a background. Reliefs are classified by their degree of projection; high relief indicates that the objects project at least half of their natural circumference from the background and low relief indicates the figures barely project from the background.
- Kinetic Sculpture: Sculpture that moves either by air currents, such as mobiles, or by a power source installed by the artist.

Key Professions specific to 3D Art and Design

- **Architectural Design**: The profession associated with any type of building design and construction
- Interior Design: The design of any space inside a building.
- **Silver-Smith**: A designer that works with precious metals and gems to create jewellery
- **Automotive Design**: The profession associated with the design of motor vehicles
- Ceramicist: An artist or designer that works solely with clay

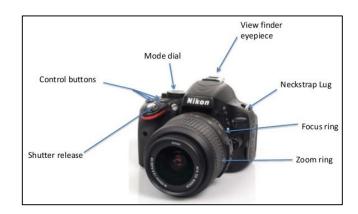
Keywords specific to Photography

- Aperture: The size of the hole which controls how much light is allowed into the camera when taking a photograph. The higher the aperture the smaller the hole (less light)
- **ISO**: ISO is a camera setting that will brighten or darken a photo. As you increase your ISO number, your photos will grow progressively brighter.
- **Focus**: Areas of an image may be in focus (clear and sharp) and some areas may be out of focus (blurry and difficult to see)
- **Focal Point**: The part of the photograph that the eye is immediately drawn to
- Rule of thirds: A technique used to create a successful composition. The rule states that the focal point should not be dead centre in the image but either one third from the top, bottom or from one side of the image
- Leading lines: The viewers eyes are naturally drawn along vertical and parallel lines





- **Shutter speed**: How long the cameras shutter is kept open
- **Subject matter**: What is represented in the photograph, a basic breakdown of what can be seen
- Over exposure/under exposure: When too much or too little light has been exposed onto the film
- Crop: To select an area of an image and remove surrounding area
- **Composition**: To arrangement of the subject matter and how they relate to one another within the photograph
- Depth of field: The area of the image which is in sharp focus
- Lighting/ shadow: Light and shadow can be created with artificial light (lamps or flash) or natural light (sun)
- Perspective: The position or angle of the shot in relation to object being photographed



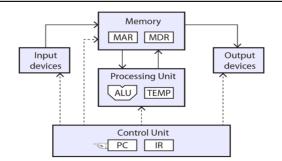
Enterprise	Entrepreneurial activity (can also mean a business or company)		
Entrepreneur	Someone who creates a business, taking on financial risks with the aim of making a profit from the business Enterprise Key Words		
Consumer Someone who buys and uses goods and services			
Obsolete	Out of date or not used anymore		
E-commerce Using the internet to carry out business transactions			
M-commerce	Using mobile technologies, such as smartphones and tablets, to carry out business transactions		
Social media	Websites that allow users to interact with other users, by sharing text-based messages, pictures or links to online content		
Payment platform	Enable businesses to take online payments from customers. They are usually free for the customer to use, but take a small amount of commission from the seller		
Marketplace	The activities involved in buying and selling particular types of goods and services, in competition with other companies		
Data Information, particularly statistics, that can be collected and analysed			
Demographic	Relating to the population, such as average age, average income and so on		
Risk The possibility that an enterprise will have lower than anticipated profits or experience a loss			
Financial reward The money that an entrepreneur or investor receives when a business succeeds			
Market research	The process of gathering information about the market and customers' needs and wants in order to help inform business decisions, including product design and marketing		
Revenue forecast A prediction of future revenue based on expected sales; this is either a judgement or based on previous sales patterns			
Cash flow	Cash flow The amount of money coming in and going out of the business and the timing of the movement		
Sales revenue The amount of money that comes in from a business's sales			
Investment Putting money into a business with the intention of making a profit			
Start-up A new business, usually with only a small number of employees – perhaps only one			
Intuition	Intuition Knowing something instinctively or understanding something easily without conscious thought		
Stakeholder	Anyone who has an interest in the activities of a business, such as its workers, its suppliers, its directors, the local community and the government		
Ethics	Moral principles or standards that guide the behaviour of a person or business		
Unique selling point (USP)	Inique selling point (USP) Something that makes a product stand out from its competitors		
Values	Standards of behaviour or moral principles		
Loyalty	Wanting to always support something or someone		
Market share	The proportion of sales in a market that taken by one business		
Economy	Economy The system by which a country's money and goods are produced and used		
Business S	tudies 1 of 2 Page 9 <u>Year 10: September to January</u>		

Bu	siness Studies 2 of 2	Pa	age 10		Year 10: September to January	
	A product or service's ability to fit in well w	ith a customer's lifestyle or	Market share	The proportion	of sales in a market that are taken by one business	
Convenience	routine, the ease with which it can be used and/or its easy to reach location		Profit	The amount of	revenue left over once costs have been deducted	
			Social objectives Lik	Likely to be no	n-financial, such as to reduce the carbon emissions of a business or	
Viable	Able to work properly or successfully		Social objectives		uality of life for a local community	
	The process of gathering information about the market and				regular income that a business receives. This could be through the	
Market research			Income stream	money it receiv	ves from customers, or other seas such investment income	
			Viable	Capable of wor	rking or succeeding	
					ement showing the amount of money earned and spent in a particular	
Focus group	A group of people who discuss their views	·	Income statement		ulting profit and loss	
. ocas B. cap	advertisement or idea, either face-to-face	or online	Stakeholder	Anyone who ha	as an interest in the activities of a business, such as its workers, its	
	A particular group of consumers at which a business aims its products				ocal community and the government	
Target market	and services	·	Break-even point		re revenue received meets all of the costs of the business	
_	A portion of the population asked for their	opinions in order to draw	Credit		money that a financial institution or supplier will allow a business to	
Sample	conclusions about the behaviour of the wh		G. 54		ust pay back in the future at an agreed time	
Generation Y	The people born shortly before the 21st century, usually defined as		Overheads		t come from running an office, shop or factory, which are not affected	
(also known as	born between 1980 and 2000		o vernedus		of specific products or services that are sold	
Millennials)			Insolvent	A business that	A business that is unable to pay its debts and/or owes more money than it is owed	
Data	Information, particularly statistics, that can be collected and analysed		msorvene	lhama that ast	(
24.4		balanced or inclined to agree with a particular judgement or ideas		Items that get 'used up', such as pens, paper, staples and other items that a business has to replace regularly		
Biased	rather than presenting the evidence fairly		Trade credit	A credit arrangement that is offered only to businesses by suppliers		
	Moral principles or standards that guide the behaviour of a person or		A fac	_	ed by a bank that allows an account holder to borrow money at short	
Ethics	business		Overdraft	notice		
	A place, person or thing, such as a book or	eport, that can provide	cneque	A written orde	r to a bank to pay an amount of money from an account holder's	
Source	information to be used in research			account to a sp		
Chamber of	A local association that promotes the interest of businesses in a county or region		Venture capital		st in a business is sourced from individuals, or groups of people, who	
commerce					their own money into new businesses	
Trade	Organisation founded and funded by busin	esses that operate in a	Return on investment	The amount of	The amount of money that an investor gets back in return for investing a business	
association	specific industry	cosos that operate in a	Shareholders	Investors who	are part-owners of a company	
Analysis	The process of looking at data to identify pa	atterns or trends			st in a business is raised by the business issuing shares that it then	
Allalysis			Share capital		who wish to invest in the company	
Incentive	Something such as a payment or gift that encourages someone to do comething		Credit check		financial status of a business or individual to ensure that the business	
Valid	Having a solid or accurate basis of facts				al has a reliable credit history and does not have any existing	
	The process of breaking something into smaller parts Relating to the structure of a population			outstanding de		
Segmentation			Security	item owned by	ers asks the borrow to put up an asset, such as a house, or a valuable	
Demographics			Asset		lue that a business owns, such as its machinery or premises	
Axes	The reference lines on a graph		ASSET		on who guarantees to pay the repayments on a loan should the person	
	A study undertaken by a business to identify the strengths and		Guarantor		out the loan not be able to make the payments	
SWOT analysis			Retained profit		pusiness keeps, rather than paying out to its shareholders	
			netained profit	. Honey that a c	sacross neeps, rather than paying out to its shareholders	

GCSE Computer Science | OCR J276

1.1 Systems architecture

- The purpose of the CPU
 Central Processing Unit [CPU]
- Von Neumann architecture
 - Memory Address Register [MAR]
 - Memory Data Register [MDR]
 - Program counter [PC]
 - Accumulator [ACC].
- Common CPU components and their function
 - Arithmetic Logic Counter [ALU]
 - Control unit [CU]
 - Cache [temporary store]
- Function of the CPU
 - Fetch / execute instructions stored in memory
- How common characteristics of CPUs affect their performance:
 - Clock speed
 - Cache size
 - Number of cores.
- Embedded systems:
 - Purpose
 - Examples of embedded systems.



1.2 Memory

- Random Access Memory [RAM]
 - Volatile
 - Stores data and instructions in use.
- Read Only Memory [ROM]
 - Non-volatile
 - Stores start up instructions.
- Virtual Memory
 - How it works
 - The need for virtual memory
 - How to prevent the need for virtual memory.
- Flash memory
 - How it is constructed
 - Appropriate use.





1.3 Storage

- Secondary Storage
 - The need for secondary storage
 - Data capacity
 - Calculation of data capacity requirements.
- Common types of storage
 - Optical (including different types of optical storage)
 - Magnetic
 - Solid State.
- Suitable storage devices / media for a given application
 - Compare using the following characteristics:
 - Capacity
 - Speed
 - Portability
 - Durability
 - Reliability
 - Cost
 - Advantages / disadvantages of each.



GCSE Computer Science | OCR J276

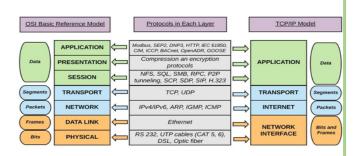
1.4 Wired & Wireless networks

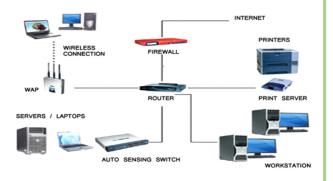
- Types of network
 - Local Area Network [LAN]
 - Wide Area Network [WAN]
- Factors that affect the performance of networks:
 - Bandwidth
 - Latency
 - Error rate
 - Transmission media
- Different roles of computers in a network:
 - Client-server network (central server)
 - Peer-to-peer network (all PCs equal)
- Hardware needed to connect standalone computers into a Local Area Network:
 - Wireless Access Points
 - Router
 - Switch
 - Network Interface Card (NIC)
 - Transmission Media
 - Fibre optic, ethernet, coaxial
- The Internet
 - Definition
 - Domain Name Server [DNS]
 - Web hosting (benefits / drawbacks)
 - The Cloud (benefits / drawbacks)
 - Virtual networks

1.5 Network topologies, protocols & layers

- Topologies
 - Star (central router)
 - Mesh (all nodes connected)
 - Partial mesh (most nodes connected)
- Wi-Fi:
 - Frequency & channels
 - Encryption
- Ethernet
 - Definition
- IP addressing & MAC addressing
- Protocols:
 - Transmission Control Protocol / Internet Protocol [TCP/IP]
 - Hyper Text Transfer Protocol [HTTP]
 - Hyper Text Transfer Protocol Secure [HTTPS]
 - File Transfer Protocol [FTP]
 - Post Office Protocol [POP]
 - Internet Message Access Protocol [IMAP]
 - Simple Mail Transfer Protocol [SMTP]
- The concept of layers
 - TCP/IP stack
 - Network, Internet,
 Transport, Application
- Packet Switching
 - What is a packet?
 - How are packets routed?



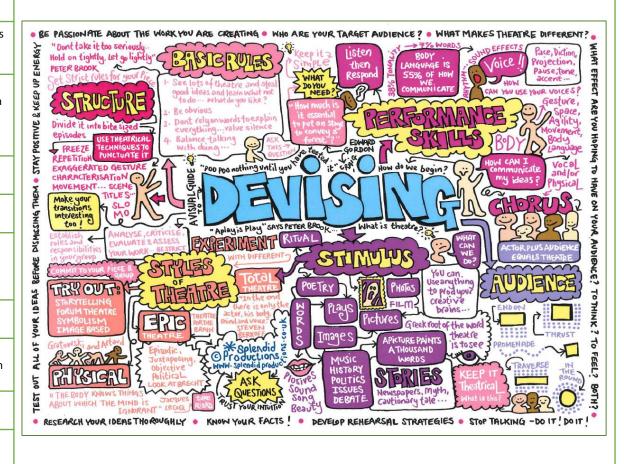




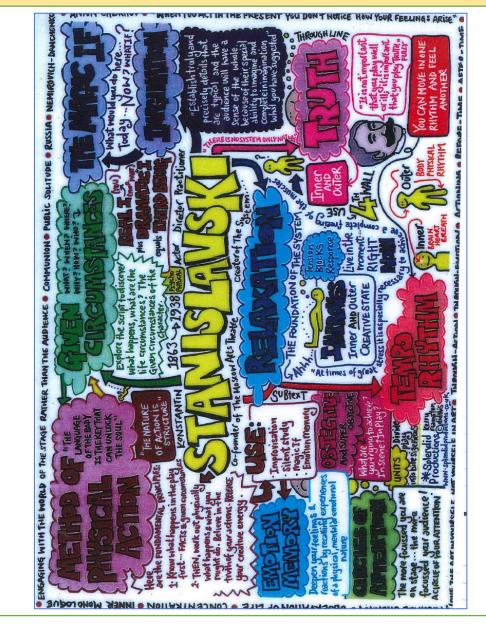
Performance Style: Key Terms and Definitions

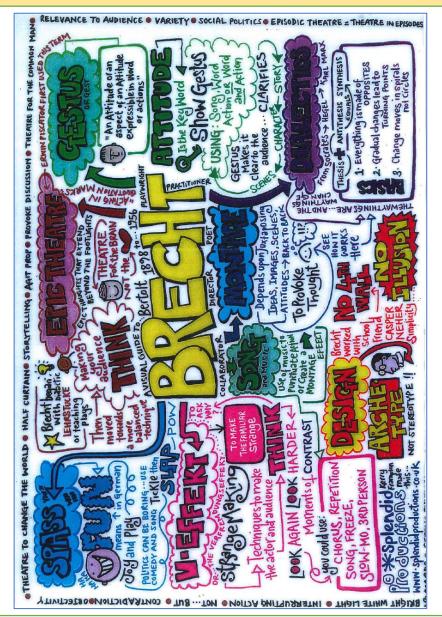
- Comedy: A performance where there is a happy ending, with the intention of amusing and entertaining the audience.
- Epic Theatre: Feature of Epic Theatre include episodic scenes, a lack of tension, breaking the theatrical illusion through devices such as direct audience address, use of songs, projections and narration.
- Expressionism: A term for theatre design and performance style which places greater value on emotion than realism. The trademark Expressionist effects were often achieved through distortion.
- Form Theatre: In the process the actors or audience members could stop a
 performance, often a short scene in which a character was being oppressed in
 some way. The audience would suggest different actions for the actors to
 carry out on stage in an attempt to change the outcome of what they were
 seeing.
- Melodrama: A Melodrama is a dramatic work that exaggerates plot and /or characters in order to appeal to the emotions.
- Metatheatre: Comedy and tragedy, at the same time, where the audience can laugh at the protagonist while feeling empathetic simultaneously.
- Naturalism/Naturalistic: A performance that attempts to replicate nature and present events and characters on stage as in real life. Naturalism attempts to hold up a mirror to nature and give the illusion of characters as actual people in real-life situations using everyday language.
- Physical Theatre: Performances which incorporate dance elements into a dramatic theatre performance.
- **Realism**: realism in theatre describes a decision by the creative team to present the audience with an accurate depiction of the real world, rather than a stylized interpretation.
- Style: Style refers to the way the actors perform, the visual characteristics of the setting and costumes, and the choice of conventions used,
- Stylised: Stylisation is the conscious process of emphasizing and often exaggerating elements of the design or characteristics of a role.
- Symbolism/Symbolic: Using symbols to suggest and communicate meaning to the audience.
- Theatre in Education: Often abbreviated to T.I.E. The use of theatrical techniques to educate, covering social issues or topics on the school's syllabus.





Stanislavski Brecht





Start of the exam – 15 minutes

- 1. Read the glossary.
- 2. Read the information box and underline:
 - Character
 - Setting
 - Place in Story
- 3. Read the passage WITHOUT looking at the questions. Focus on just understanding what is going on.

Question 1 - 5 minutes LEARN

Planning the answer:

- 1. Read the question and highlight the focus.
- 2. On the guestion draw a box around which lines to focus on.
- 3. Highlight the correct answers in the text.
- 4. When writing the answer:
 - Use full sentences
 - Start each sentence with the focus from the question
 - Be careful not to repeat points.

Question 2 - 10 minutes - Language

Planning the answer:

- 1. Read the question and highlight the focus.
- 2. Highlight powerful words and phrases linked to the question focus.
- 3. Pick three examples to use and circle your zoom word.
- 4. Label your examples with subject terminology.

When writing the answer:

- Write an establishing sentence outlining your three ideas linked to the focus

 in your own words.
- 2. Write three PEEZE paragraphs.
- 3. Always use quotation marks.
- 4. Always zoom in.
- Always explain why the language feature/word class has been used. features or structural features. Consider the writer's intention.

Question 3 - 10 minutes - Structure

Planning the answer:

- Decide what the writer focuses on at the beginning, middle and end of the extract and highlight a quotation (piece of evidence) that supports this.
- Jot down the tone next to the evidence, any questions that come to mind and the effect of the section on the reader.
- 3. When writing the answer:
 - Write three paragraphs each one must contain a quotation and structural feature.
 - Do not make reference to language features or zoom in.

Question 4 – 20 minutes - Evaluation

Planning the answer:

- . Draw a box around the section on the extract.
- 2. Highlight the keywords in the statement.
- Find three pieces of evidence to show that you agree with the statement.
- Circle your zoom words and label with subject terminology.

When writing the answer:

- 1. Write an introduction stating how much you agree and give two reasons why in your own words.
- 2. Write three PEEZEL paragraphs.
- The last sentence of each paragraph should always refer back to the statement.

Planning the answer: 10mins

1. Plan before your ideas before you start.

Question 5 – 45 minutes - Writing

- Order your ideas to show the examiner that you are attempting to structure and craft your work.
- 3. Write a punctuation list at the top (!?,.;-)

When writing the answer: 30mins

- Write your description / story
- 2. Start each paragraph in a different way:
 - Verb: 'ing' / 'ed' word
 - Adverb: 'ly' word
 - Preposition/Place word: 'on' / 'next to' / 'near'
 - Adjectives: describing word
- 3. Vary your sentence starts.
- Litter your work with techniques and to use ambitious vocabulary.
- 5. Use a range of punctuation and sentence types for effect.
- 6. Proofread each paragraph as you work
- Complete a final proofread of your work (5mins).
 - Correct spelling errors.
 - 2. Add missing words and punctuation.
- Remember that it is okay to cross out and write a better word above a piece of dull or repeated vocabulary.

Explorations in Creative Reading and
Writing Language
Paper 1
1hour 45minutes

Start of the exam - 15 minutes

- 1. Read both extracts do not forget to read the glossaries.
- 2. Focus on understanding what is going on.

Ouestion 1 - 5 minutes - True or False

Read the INSTRUCTIONS about how to shade VERY carefully (this is marked electronically an must be shaded right!)

Before you answer:

- 1. **Circle** the lines you have been directed to
- **2. Read** each statement.
- If you find evidence in the extract for the statement underline it

Answering the question:

- 1. Shade only the true statements
- 2. Choose a maximum of four
- 3. Double-check your answers

Question 2 – 8 minutes – Summary

- Read the question and highlight the focus.
- On the sources underline quotations (evidence) that link to the focus of the question.
- Match the pairs of quotations that allow you to show the most inference (3 pairs).
- 4. Do not make reference to language or structure.
- 5. Embed quotations where possible.

Question 3 – 12 minutes - Language

Planning the answer:

- 1. Read the question and highlight the focus.
- Highlight powerful words and phrases linked to the question focus.
- 3. Pick three examples to use and circle your zoom word.
- 4. Label your examples with subject terminology.

When writing the answer:

- Write an establishing sentence outlining your three ideas linked to the focus – in your own words.
- 2. Write three PEEZE paragraphs.
- 3. Always use quotation marks.
- 4. Always zoom in.
- Always explain why the language feature/word class has been used.
 Always explain why the language feature/word class has been used.
 features or structural features.
 Consider the writer's intention.

Planning the answer:

 Read the question and highlight the focus of the question. This is the comparison focus.

Question 4 - 20 minutes - Viewpoints

- Highlight quotations (evidence) in both sources that answer the question. You need three per source.
- Next to the evidence label with correct subject terminology.
- 4. Pair up the three ideas from Source A with the three from Source B.

When writing the answer:

- Write an opening statement that clearly refers to the question – name both writers and make reference to each source.
- 2. Write three 'PEEZE C PEEZE' paragraphs.
- 3. Use a comparison word (C) in each paragraph.
- Zoom into the language feature used and explore why it has been used in relation to the question.
- 5. Explore the tone of both extracts.
- 6. Use the writers' names through your response.

Question 5 – 45 minutes - Writing

- Underline the purpose/audience/form (PAF) in the question.
- 2. Plan before your ideas before you start.
- Order your ideas to show the examiner that you are attempting to structure and craft your work.
- 4. Write the techniques for the purpose (explain, argues, persuade, instruct/advise) at the top of the page.
- 5. Write a punctuation list at the top (!?,.;-)

When writing the answer: 30mins

Planning the answer: 10 mins

- 1. Write your response.
- 2. Start each paragraph in a different way:
 - Rhetorical question
 - Use the word 'Imagine'
 - Discourse markers
- 3. Vary your sentence starts.
- Litter your work with techniques and use ambitious vocabulary.
- Use a range of punctuation and sentence types for effect.
- 6. Proofread each paragraph as you work.
- 7. Complete a final proofread of your work (5mins).
 - Correct spelling errors.
 - 2. Add missing words and punctuation.
- 8. Remember that it is okay to cross out and write a better word above a piece of dull or repeated vocabulary.

Writers' Viewpoints and Perspectives Language Paper 1 1hour 45minutes

Macbeth – William Shakespeare

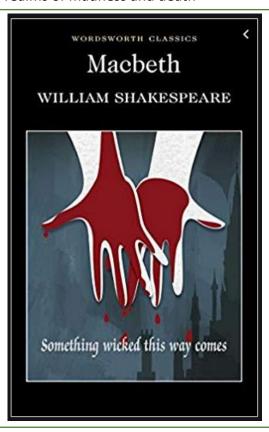
A Christmas Carol – Charles Dickens

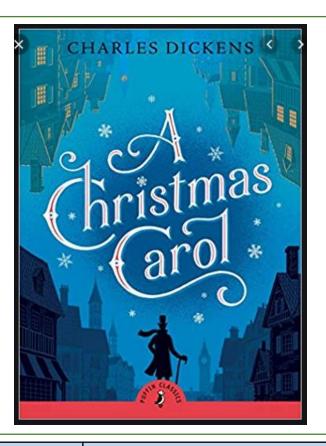
Widebeth - William Shakes

Summary:

Summary:A Christmas Carol recounts the story of Ebenezer Scrooge, an elderly miser who is visited by the ghost of his former business partner Jacob Marley and the spirits of Christmas Past, Present and Yet to Come. After their visits, Scrooge is transformed into a kinder, gentler man.

A brave Scottish general named <u>Macbeth</u> receives a prophecy from a trio of witches that one day he will become <u>King of Scotland</u>. Consumed by ambition and spurred to action by his wife, Macbeth murders King Duncan and takes the Scottish throne for himself. He is then wracked with guilt and paranoia. Forced to commit more and more murders to protect himself from enmity and suspicion, he soon becomes a tyrannical ruler. The bloodbath and consequent civil war swiftly take Macbeth and Lady Macbeth into the realms of madness and death





MACBETH plot summary:

Macduff: A brave warrior who is loyal to Duncan

The Three Witches (Weird Sisters) – Portraved as

forces of nature that seem to know the future

and is consistently suspicious of Macbeth.

and are fascinating to Macbeth.

- Act 1 This Act opens with the three Weird Sisters setting up the entire theme of the play: Fair is foul and foul is fair. A war is taking place against Scotland (the setting of this play) and Norway. Scotland is victorious due to the valiant efforts of Macbeth. The traitorous Thane of Cawdor is captured and executed. King Duncan decides to reward Macbeth with the title of Thane of Cawdor to show his gratitude. Three Weird Sisters confront Macbeth and Banquo, telling Macbeth that he will become Thane of Cawdor and eventually king. Macbeth soon learns of his new title fulfilling the first part of the prophecy and sends word to his wife. King Duncan plans on staying the night at Macbeth's home. Lady Macbeth receives the news and immediately plots the death of King Duncan so her husband will be king. Lady Macbeth manipulates Macbeth into following her plans. By the end of Act I, Macbeth is determined to follow the plan.
- Act 2 Macbeth again has some doubts (and visions) but he talks himself into following through with the murder. Macbeth is so scared Lady Macbeth must finish the rest of the plan by wiping blood on the drunk guards. The next morning, Macduff and Lennox arrive at Macbeth's and Macduff discovers the dead body of King Duncan. The guards are immediately suspects and Macbeth kills them. Malcolm and Donalbain, the King's sons, flee the castle because they are afraid.
- Act 3 Banquo begins to suspect Macbeth for the murder of King Duncan and Macbeth in turn feels that Banquo will reveal that it was he that killed the King. Therefore, Macbeth sends out some thugs to murder Banquo and his son, Fleance. Banquo is murdered, but Fleance escapes. Macbeth, Lady Macbeth, Lennox, Ross, and other lords attend a banquet. The ghost of Banquo presents itself to Macbeth. Macbeth begins to rant and rave, making the other guests uneasy. Lady Macbeth tries to cover up the situation by saying Macbeth is prone to fits. By the end of this Act, we learn that Macduff has not attended the banquet because he has gone to England because he is suspicious of Macbeth.
- Act 4 Macbeth confronts the three Weird Sisters and they show him more visions. The visions lead Macbeth to believe that he cannot be killed by any man, giving him a false sense of security. He then plans to send murderers to the castle of Macduff (who is in England) in order to kill his family. Meanwhile, Macduff is in England begging Malcolm to return to Scotland and seize the throne from Macbeth who has become a tyrant. Malcolm tests Macduff's loyalty to Scotland and himself and after being satisfied with Macduff's responses, he agrees to wage war against Macbeth. Malcolm's uncle will also aid in the attack.
- Act 5 Lady Macbeth has finally gone mad with guilt over the murders. The once strong and ruthless woman is now a scared child. She continually sleepwalks, whilst trying to clean her hands of blood. Doctors are unable to help her. Some of the Scottish lords are discussing Macbeth's state of mind and have come to the conclusion that they will help Malcolm and Macduff fight against Macbeth. Of course, Macbeth isn't really concerned because he believes the prophecy ensures that he cannot be killed by any man born of woman. Macbeth soon confronts Macduff and learns that Macduff was not born naturally. Macbeth and Macduff fight and the natural order is restored by the end of the play.

Key Characters Context and Literary Tradition Key Themes Ambition Macbeth: A loyal warrior who becomes The 5 Acts: 'Macbeth' is a typical tragedy. The first part builds up the turning point (Duncan's murder), and Kingship duplicitous as he becomes obsessed with the the second part deal with the consequences of this, which leads to the main character's downfall. witches' prophecies of power. Soliloguy: A soliloguy is when a character speaks their true thoughts and feelings aloud, normally alone on Fate and Free Lady Macbeth: Macbeth's wife who drives his stage, regardless of any listeners. Will ambition in the beginning but loses her control Tragic Conventions: Macbeth is one of Shakespeare's Tragedies and follows specific conventions. The Good and Evil by the end. climax must end in a tremendous catastrophe involving the death of the main character; the character's Revenge Banquo: Macbeth's close friend and ally who death is caused by their own flaw(s) (hamartia): the character has something the audience can identify with Supernatural also receives <u>prophecies</u> from the witches which outweighs their flaws so we care about them. Fleance: Banquo's son who represents Dramatic irony is defined as when an audience watching a play understands what's going on in a situation Appearance and Reality Nature innocence and justice. while the characters are unaware of what is happening. **Light and Darkness** Duncan: King of Scotland at the beginning of the The Real Macbeth: Macbeth is loosely based on true events in feudal Scotland in the 11th Century and Guilt play who is portrayed as a strong and respected would have been known to King James. King James inherited the throne through his ancestors Banquo and Sleep Fleance who appear in the play. Gender Malcolm: Duncan's oldest son and next in line to Role of women: Women were expected to follow social expectations with their behaviour towards men. Stylistic features & relevant terms the throne. Joins the English army to defeat They were meant to obey all men, not be violent and be religious. Lady Macbeth reverts these expectations Macbeth at the end of the paly. in the play to manipulate Macbeth in getting what she wants. Meter Donalbain: Duncan's youngest son disappears Superstition and witchcraft: At the time Shakespeare was writing, many people believed that witches were (to Ireland) after Duncan's murder, but never real, so the Weird Sisters would have seemed believable and frightening to an audience in the 1600s. Blank Verse Rhymed Verse returns. Succession and Order: To inherit the throne, you did not have to be a direct decent. Anyone could take the

throne through a rebellion against the monarch. Current monarchs would have to name their successor

This is reflected in Macbeth's failure as a King.

before they died. This would often help avoid such rebellions. King James also believed in The Divine Right

of Kings meaning that any attempt to depose a king went directly against God and would be judged harshly.

Prose Iambic Pentameter Soliloguy Dramatic Irony

Concealment Gender Tragedy

Tragic Flaw

Prophecy Imagery Symbols Metaphor Sounds

Pathetic Fallacy

Regicide

A Christmas Carol Plot Summary

Stave One

- The narrator introduces Scrooge at work in his counting house (loan office) on Christmas Eve. The semantic field of cold and winter is used to portray him as lonely, miserable and a greedy character.
- Scrooge refuses to return the Christmas greetings of his nephew Fred, he refuses to give money to charity
 collectors and reluctantly allows his clerk (Bob Cratchit) Christmas Day off.
- On his return home, Scrooge sees the face of his dead business partner (Jacob Marley) appear in the door knocker. As a logical and cynical man, Scrooge initially ignores this supernatural appearance.
- The ghost of Marley appears wearing the chains that he must carry with him as "penance" for his life of
 greed. He tells Scrooge that he will be visited by three spirits over the next three nights.

Stave Two

- The Ghost of Christmas Past visits Scrooge; he looks like an old man in a child's body (to <u>symbolise</u> the
 onset of time) and has a bright light (truth and enlightenment) shining out of his head.
- They visit Scrooge as a child, alone and neglected in his schoolhouse. Scrooge feels self-pity.
- They visit young Scrooge at a Christmas party being thrown by his popular boss, Mr Fezziwig. He feels
 remorse over how he has treated his employee.
- They observe young Scrooge being left by his fiancée, Belle, because of his obsession with money. Scrooge
 cannot bear to see anymore and extinguishes the ghost's light, although some of the light still shows; he
 cannot hide from the truth.

Stave Three

- The logical Scrooge is now ready for the second ghost, although his logic is disrupted by his lateness.
- The Ghost of Christmas Present is a Santa-type figure, but also with connotations of <u>Christianity</u> (wearing a crown of holly).
- They observe London's impoverished streets, seeing how Christmas can bring happiness to even the poor.
 Scrooge begins to show some sympathy for the poor.
- They visit Bob Cratchit's home during a typical Christmas dinner and see how a poor family can still be happy and content. The changing Scrooge shows concern and sympathy for Bob's ill son, Tiny Tim.
- They visit Fred's house and Scrooge is warned to see that they mention him (albeit in joking terms).
- Scrooge is beginning his <u>transformation</u>, but the ghost taunts him by reminding him of the cruel and uncharitable things he has said in the past.
- Scrooge spots two impoverished children under the ghost's cloak: the symbolic Ignorance and Want.

Stave Four

- The <u>tone</u> of the novella <u>shifts</u> with the arrival of the Ghost of Christmas Yet to Come. He is a deathly figure
 who shows Scrooge a dark and immoral version of future Christmases.
- They visit a beetling shop in an impoverished corner of London, where people are selling the stolen
 possessions of a dead and "uncared for man". Scrooge is too ignorant to realise the dead man is him.
- Scrooge asks to see someone who shows emotion at the man's death, but the ghost cannot find anyone.
 They visit someone who owes Scrooge money and they are pleased; they visit the Cratchit's house and his wife is pleased; Scrooge also learns that Tiny Tim will eventually die.
- The ghost forces Scrooge to look at his own name on a gravestone and Scrooge finally realises that he is the dead man. Scrooge is in "agony" and begs to know whether it's too late to change his ways.

Stave Five

- He wakes and it's Christmas morning; all three spirits seem to have (illogically) visited him in one night.
- He is now enlightened and transformed: he discards logic and wishes a young boy Merry Christmas and also sends the gift of a turkey to Bob Cratchit's house.
- Scrooge is forgiven (key concept of Dickens' Christmas) by others: he goes for dinner at Fred's house.
- Scrooge is the saviour of himself and also of Tiny Tim (we learn that the boy lives).

Stave	Key Quote	Info/Analysis
One	"Hard and sharp as flint"	Description of Scrooge at the start.
Marley's Ghost	(Flint = hard rock used to make tools)	
visits Scrooge	"Solitary as an oyster"	Simile to convey his lone existence.
	"I don't make myself merry at Christmas and I can't afford	Shows his unsympathetic attitude to the poor ("Idle")
to make idle people merry."		people.
"It's enough for a man to mind his own business, and not		
	to interfere with other people's."	He is obsessed with business and money.
	"I wear the chain I forged in life." Jacob Marley	
		A warning for Scrooge: Marley created his own eternal
	"There is no light part of my penance" Jacob Marley	punishment through greed.
		Penance= punishment.
Two	"From the crown of its head there sprung a bright clear jet	Refers to the Ghost of Christmas Past. The light
Ghost of	of light"	represents truth and enlightenment.
Christmas Past	"Your reclamation, then. Take heed!" Ghost of Christmas	Reclamation= recovery. Take heed= listen.
	Past	Scrooge visits his old schoolhouse and first shows
	"Your lip is trembling." Said the Ghost. "And what is that	emotion (self-pity)
	upon your cheek?"	Description of Scrooge as a child. How has his childhood
	"A solitary child, neglected by his friends, is left there still."	affected him?
	//	Scrooge speaking of Fezziwig's generosity. He realises
	"He has the power to render us happy or unhappy () The	how an employer can affect his employees.
	happiness he gives is quite as much as if it cost a fortune."	Scrooge's ex-fiancée (Belle) when she leaves him,
	"I have seen your nobler aspirations fall off one by one,	because he is obsessed with "Gain".
	until the master passion, Gain, engrosses you."	Scrooge just before extinguishing the ghost's light (he
Three	"Remove me!" Scrooge exclaimed. "I cannot bear it!"	cannot bear the truth).
Ghost of	"Scrooge entered timidly, and hung his head before this Spirit."	Scrooge is subdued when he meets the second ghost (Ghost of Christmas Present)
Christmas	"Oh no, kind Spirit! Say he will be spared"	Scrooge shows concern and sympathy for Tiny Tim.
Present	"To hear the insect on the leaf pronouncing on the too	The Ghost reminds Scrooge of his earlier words about
resent	much life amongst his hungry brother in the dust!"	decreasing "the surplus population" of the poor. He
	interior and aniongst this hang, y should an the dust.	compares Scrooge to an insect
	"I am sorry for him () Who suffers by his ill whims?	Fred discusses his uncle Scrooge with the family.
	Himself, always."	,
	"Uncle Scrooge had imperceptibly become so gay and light	Scrooge is delighted that his family even want to speak
	of heart."	of him.
	"This boy is Ignorance. This girl is Want. Beware them	The ghost warns Scrooge with personification/symbols
	both."	of mankind's faults.
Four	"Plundered and bereft, unwatched, unwept, uncared for,	Description of the man on the deathbed.
Ghost of	was the body of this man."	
Christmas Yet to	"Avarice, hard dealing, griping cares? They have brought	Scrooge's iconic statement about the dead man, before
Come	him to a rich end, truly!"	he realises that he is looking at himself.
	"Are these shadows of the things that Will be, or are they	Scrooge asks the ghost if it's too late for him to
	the shadows of the things that May be only?"	transform and alter his future.
	"Men's courses will foreshadow certain ends."	Scrooge realises that his past behaviour will determine
		his future.
Five	"I don't know how long I have been among the Spirits. I	Scrooge discards logic and is now carefree. He is a
Scrooge is	don't know anything. I'm quite a baby."	transformed character.
transformed	#G	
	"Scrooge delighted everyone with a delighted smile."	He spreads good-will instead of fear and hatred.

A Christmas Carol - Dickens

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Dickens' message on poverty

Context

- Dickens had a comfortable childhood until the age of twelve when his father was sent to a debtors' prison and young Charles had to work in a factory. The harsh conditions made a lasting impression: through the works of social criticism, he sought to draw attention to the plight of the poor.
- The New Poor Law, 1834
- In order to deter poor people from claiming financial help, the
 government made claimants live in workhouses: essentially,
 prisons for the poor. Dickens hated this concept. He spent 1843
 touring factories and mines in England and wished to highlight
 the situation facing poor people. A Christmas Carol was published
 soon after- in December 1843.
- Dickens' previous novel had not sold well and so he needed a hit.
 He deliberately combined elements that he knew would appeal to Victorian readers: a parable; the supernatural; happy conclusion; and Christmas.
- Dickens' construction of secular Christmas values
- Until the mid-1800s, Christmas was solely a religious festival.
 Dickens helped to popularise many of the cultural elements that we now associate with Christmas. The imagery (the food, the decorations, the music) is used throughout the novella. This has contributed to a more secular (non-religious) Christmas, based on good-will, benevolence and forgiveness.

Key Themes

Logic and Time

Scrooge's sense of logic is continually disrupted, helping to dismantle his cold and rational view of society. He initially dismisses the supernatural appearances, before then submitting to them. The ghosts are late to visit him, and then distort time as they seem to visit him all in one night - not over three nights as planned. The discarding of logic reflects Dickens' criticism of the heartless economic logic that was used to create the New Poor Law.

Compassion, Forgiveness and Reclamation

Dickens uses different characters to demonstrate compassion and forgiveness (Fred and Bob who feel pity for him) and how these people lead happy lives. In contrast, he shows the selfish nature of mankind in the dark and sinister Stave Four. Fred shows compassion and forgiveness to Scrooge in Stave Five by welcoming him for Christmas.

Poverty and Greed

Dickens wanted to highlight the plight of the poor in Victorian England and how they are exploited by greed of the wealthy. He used the harshness of winter to further emphasise this. He also uses Scrooge as a vehicle to show that financial wealth does not mean contentment. Scrooge is impoverished in other ways - family, friends, happiness.

Isolation versus Family

We quickly learn that Scrooge ("solitary as an oyster") and Marley are isolated and unhappy characters. Scrooge was Marley's "sole friend and sole mourner". The warmth and emotional richness of families (Bob Cratchit's, Fred's, his exfiancée's) are used as a contrast to Scrooge's self-determined isolation. The disruption to Scrooge's childhood family life may have also contributed to his future behaviour. The message may be that family is the cornerstone of a happy society.

Transformation

The novella contains many examples of transformation: the transformation of young Scrooge into an embittered old man; his transformation to a benevolent man; the transformation of Marley from selfish human to eternally-suffering ghost; supernatural transformations; the transformation of the future - to save Scrooge and Tiny Tim. Dickens' message may have been that it is never too late to change.

Key Characters

- Scrooge: The protagonist who initially dismisses the goodwill and generosity associated with Christmas. After being forced to transform, he becomes a symbol of Christmas spirit in Stave Five. He is cheerful and benevolent. He is a dynamic character (a character who changes).
- Bob Cratchit and Family: Bob is Scrooge's downtrodden but loyal employee. His family are a symbol of Victorian poverty, cheerfulness in adversity, teamwork and Christmas spirit. Bob shows pity for Scrooge and provides a contrast to Scrooge's isolation and meanness.
- Nephew Fred: The character of Fred serves as another contrast to Scrooge. He epitomises the Christmas spirit of goodwill and refuses to be
 discouraged by his uncle's misery. People (such as the Cratchits) speak highly of him and his generosity, in contrast to how they speak of
 Scrooge. Fred shows that Scrooge has chosen isolation.
- The Ghosts: The ghosts are the antagonists to Scrooge. They force him to view his selfish and greedy ways, and also to admit how his behaviour will lead to a lonely death ("Men's courses will foreshadow certain ends"): a metaphor for how the greed of the wealthy middle class will lead to a disastrous future for society.

Structure and Form

- The novella is narrated in the third person by an omniscient narrator, who also seems very biased against Scrooge.
- It is a parable: a moral tale with a strong message.
- It is arranged in five staves (not chapters) as a metaphor for an actual Christmas carol. It contains much musical imagery throughout (church bells, clock chimes, carol singers, Fezziwig's party).

Kole play			
Je voudrais + INF- I would like + inf			
Je veux + INF- I want + inf			
commence à starts at			
se termine à finishes at			
ouvre à opens at			
ferme à closes at			
ça dure une heure/semaine lasts an hour/week			
ça coûte euros costs euros			
c'est dans/en is in			
Vous pouvez m'aider avec? Can you help me with?			
On peut réserver? Can we book?			
Combien de temps dure?- How long does last?			
Combien de temps vous restez à/en? How long are you in?			
Que pensez-vous de? What do you think about			
Qu'est-ce que vous allez faire? What are you going to do?			
Quand est le/la/les?- When is the?			
Combien coûte? How much do cost?			

_			
Answer booster	Solid answer	Aiming higher	Aiming for the top
Verb structures in past	L'année dernière, je suis allé - Last year I went to Quand j'étais jeune - When I was younger Quand j'avaisans - When I was years old	J'ai fait plein de choses comme I did many things like Avant, je pensais que - Before I used to think that Je faisais beaucoup d'activités - I used to do various activities J'ai toujours voulu – I've always wanted	J'ai décidé d'aller à- I decided to go to J'ai toujours était sportif - I've always been very active Les activités ne m'ont pas intéressé- the activity didn't interest me Je viens de <u>+ inf</u> - I have just + <u>inf</u>
Verb structures in present	Je vais - I go Je fais beaucoup de choses- I do a lot of things Je sors avec mes amis - I go out with my friends	Il y a ni deni de There isn't a nor a Je le veux - I want it	J'ai l'habitude de jouer - I tend to play Je le/la fait depuis deux ans - I have done it for 2 years LoJe le/la pratique beaucoup - I practise it loads
Verb structures in future	L'année prochaine, je vais +inf - Next year I am going to Je vais aller à- I am going to go to Je vais avoir - I am going to have Je visiterai des endroits interessants- I will visit interesting places Quand je serai grand-When I am older	Dans un monde ideal <u>+conditional</u> - In an ideal world + conditional Dans un monde ideal, je serais riche - In an ideal world I would be rich Quand j'auraians - When I am years old J'ai décidé que je vais aller/être I've decided that I am going to go/be	Si je pourrais <u>+conditional</u> - If I could <u>+conditional</u> Si j'avais de l'argent <u>+ conditional</u> - If I had money <u>+conditional</u> Même si ça a l'air effrayant, je voudrais le faire - Even though it is daunting, I would like to do it
Idioms	Ça déchire - It's awesome C'est dommage - What a shame	Ça marche – It Works (go for it) J'ai du pain sur la planche – I'm very busy (I have bread on the board)	Je dois me bouger - I have to pull my socks up Ça a ni queue ni tête- It is nonsensical

Openers / Connectives / Extenders

et mais	and but	cependant parce que c'est	however because it's	bien que où	although where	d'abord enfin	firstly lastly
avec	with	car c'est	as it's	ou	or	puis	then
sans	without	donc	so	par contre	on the other hand	encore	again
aussi	also	si	if	après	after	ensuite	then

au carrefour un centre de loisirs un château derrière devant droite une église entre faire du vélo faire une promenade faire une promenade en barque gauche il n'y a pas de il y a je peux ie veux jouer au babyfoot des magasins un marché des musées Où est? Où sont? une patinoire une piscine tout droit à côté (du/de la/de l'/des) loin/tout près au coin beaucoup de magasins une bibliothèque une cathédrale un centre de loisirs C'est...

un château Descends/descendez la rue une éalise en face (du/de la/de l'/des) une gare (SNCF)

des hôtels Il n'y a pas de... any...

II y a... une mairie un marché une mosquée un musée un parc/jardin public une pharmacie

une poste (un bureau de poste) un stade

un supermarché

sur ta/votre droite/gauche un théâtre

crossroads a leisure centre a castle

behind in front of right a church between to go cycling to go for a walk

to take a boat ride left there isn't there is I can

Iwant to play table football

shops a market museums Where is? Where are? an ice rink pool straight ahead next to

a long way/very close on the corner

lots of shops a library a cathedral

a leisure centre

It is... a castle Go down the road.

a church opposite a (train) station

hotels

There isn't a/aren't

There is/are... a town hall a market a mosque a museum a park a chemist a post office a stadium a supermarket on your right/left.

a theatre

Unit 5

à l'intérieur l'auberge de jeunesse la climatisation le coin du paradis le coup de soleil dans un beau cadre en montgolfière en vacances la formule demi-pension l'hôtel quatre étoiles l'île déserte les marchands le parc naturel le pourboire les sports d'hiver les vacances de neige i'ai bu i'ai écouté i'ai fait j'ai joué j'ai mangé j'ai regardé j'ai voyagé ie bois i'écoute ie fais je mange je regarde ie reste ie suis allé je suis resté

je vais

ie vais aller

je vais boire

ie vais faire

Je vais écouter

ie vais manger

je vais rester

je voyage

ie vais regarder

Je vais voyager

inside vouth hostel air con corner of paradise sunburn in a beautiful area in a hot air balloon on holiday half board four star hotel desert island shopkeepers nature/national park winter sports winter holidays I drank I listened I did I played I ate I watched I travelled I drink Llisten I do I eat I watch I stay I went I stayed I go I am going to go I am going to drink I am going to listen I am going to do I am going to eat

I am going to watch I am going to stay I am going to travel I travel

Unit 6

c'est facile it's easy difficile difficult ennuveux/-euse boring fascinant fascinating intéressant(e) interesting inutile useless je pense que ... est/sont I think that ... is /are ie suis doué(e) en I am gifted in ie suis faible en I am weak in

ie suis fort(e) en I am strong in ie trouve I find ma matière préférée est my favourite subject is mes cours finissent à my lessons finish at mon emploi du temps my timetable

on a trop de devoirs we have too much homework

passionnant(e) exciting utile useful l'allemand German l'anglais English l'art dramatique drama la biologie biology la chimie chemistry le commerce business studies

le dessin/les arts plastiques art/fine art l'économie economics l'éducation physique et sportive/l'EPS PE

Spanish

media studies

l'espagnol

l'étude des médias

la géographie geography l'histoire history ICT l'informatique l'instruction civique citizenship les matières school subjects

la musique music la physique physics la religion religious studies la technologie design and

technology c'est confortable it's comfortable. c'est démodé it's old-fashioned c'est embarrassant it's embarrassing c'est moche it is ugly c'est pratique it's practical

une chemise a shirt une cravate a tie il faut porter un uniforme you have to wear school uniform

ie porte Lwear une jupe a skirt my own clothes

mes propres vêtements la mode n'a pas de place à l'école fashion has no place in school un pantalon

trousers un polo a polo shirt a sweatshirt un sweat

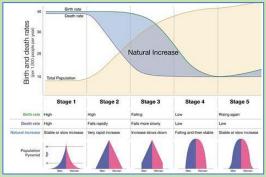
1. Development key words:

- **HIC:** Higher income country. E.g. USA, France, Australia.
- LIC: Lower income country. E.g. Kenya, Ethiopia, Bangladesh.
- **NEE:** Newly Emerging Economy. E.g. Brazil, India, Nigeria.
- **Development:** The progress made over time by a country.
- Poverty: People living without basic needs or income.
- **Corruption:** dishonest or wrong doings by those in power.
- Sustainable: Long lasting can support the needs of the present and the future.
- Multiplier effect: When one thing leads to another (can be positive or negative).
- Inequality: When there are differences e.g. in wealth/health.
- Trade: Transfers of goods and services from one country to another.

2. The development gap.

- Climate: The long term weather of an area e.g. arid/tropical.
- **Trade:** Transfers of goods and services from one country to another.
- Landlocked: Surrounded only by other countries not the sea
- Natural hazards: a natural event that may pose a risk to humans (E.g. earthquake).
- **Trading blocs:** A group of countries or organisations who work together to create deals for trade.

The demographic transition model (DTM): A model used to show the change of birth rates and death rates over time; reflecting the **population pyramid** of a country.



3. Methods used to close the gap.

- **Fairtrade:** Trade with growers and producers in NEEs/LICs where they are guaranteed a fair price.
- **Migration:** Movement of people from one place to another (can be permanent or temporary)
- **Microfinance:** the lending of small amounts of money at low interest to developing nations.
- Appropriate technology: Providing communities with resources that are appropriate for their level of development. E.g. A water pump to an LIC.
- **Remittances:** The money sent home often from migrants.
- Debt relief: The partial or total wiping off of any debts paid (has been given to many Highly Indebted Poor Countries – HIPCS – globally e.g. Ghana, Haiti).

4. How to measure development:

- **Gross National Income:** The sum of money made by a country per year. (Per capita: Divided per person).
- **Birth rate:** The number of live births per 1000 per year.
- **Death rate:** The number of deaths per 1000 per year.
- Literacy rate: The % of people who can read and write.
- Life expectancy: Average expected number of years that an individual will live to
- **HDI:** Human development Index (life expectancy, literacy rate and GNI).

5. Industry:

- **Employment structure:** How the employment structure of a country is broken down:
- **Primary:** Jobs that use raw materials from the land and sea (e.g. Fisherman).
- **Secondary:** The making of things/manufacturing (e.g. Factory worker)
- **Tertiary:** Providing a service (e.g. Teacher).
- Quaternary: Research and development (e.g. Medical Scientist).

Geography 2 of 2		Page 24	<u>Yea</u>	r 10: September to January
 6. Supporting countries to develop: Aid: Help Emergency aid: Help given for short term, often after outbreaks of diseases. Development aid (long term aid): Help given for a lot focusing on areas of need e.g. health, education. International aid: Aid sent from abroad. E.g. UK send to Nigeria. Bilateral aid: Help given from one country to another aid to India. Multilateral aid: Help given when organisations work Disaster Emergency Committee who collected donat to support after Nepal's earthquake. Self help schemes: Schemes that provide training an encourage people to improve their own standards of Appropriate technology: Providing communities with appropriate for their level of development. E.g. A was Remittances: The money sent home – often from mitological provides and Haiti). Debt relief: The partial or total wiping off of any debigiven to many Highly Indebted Poor Countries –HIPC Ghana, Ethiopia and Haiti). 	r natural disasters or inger time, often ling international aid r. E.g. UK sending constraint to living. In resources that are ter pump to an LIC. In grants.	 7. Nigeria key facts: 50% of Nigeria's GDP is from manufacturing 95% of Nigeria's export earning from oil. 60% of Nigeria's population live than \$1 a day. \$10billion invested by China in industry. 3rd largest global film industry in Nollywood. 500 different ethnic groups. 190 million people live in Nigeria. Nollywood: The Nigerian film in Niger Delta: The region near to where the River Niger enters to Ocean. Lagos: Key city with is a trading and economic hub Abuja: Capital city of Nigeria. Commonwealth: a group of contact that used to be part of the Brit Empire. Cultural diversity: A range of consociety. 	e on less the oil is ria. industry the area he Atlantic g centre ountries ish	 9. Shell in Nigeria: TNC: Trans-national corporation: A company that works in many countries around the world. Investment: Money that is put into a country to support with business etc. Quality of life: the standard of health, comfort, and happiness experienced by an individual or group. Standard of living: the level of wealth, comfort, material goods and necessities available to a person. Direct employment: Works for a specific company. Indirect employment: May work for one company but supplies other companies with materials or services.
 10. Changing UK Economy: Rural: Countryside. Urban: Town or city. Deindustrialisation: The loss/movement of industry area/country. 	·	 Globalisation: The increased interconnectivity between countries are Infrastructure: the basic services and facilities (e.g. buildings, roads, page needed for the operation of a society Science Park: an area devoted to scientific research or the development based or technological industries (quaternary) 		research or the development of science-
Post industrial: The movement from secondary indu quaternary based services.	stries to tertiary and	 Business Park: A mixed use de industries and retail. 	velopment, o	often containing companies, light

Role play

auf der linken Seite - on the left side auf der rechten Seite - on the right side **außerdem** - also eine Frau - a woman ein Mann - a man es gibt - there is das Foto/Bild - the picture gut - good im Hintergrund - in the background im Vordergrund - in the foreground die Jungen - the boys die Kinder - the children die Mädchen - the girls Man sieht... One sees... meiner Meinung nach.... in my opinion oben - on top schlecht -bad sie sehen....aus they look like...

unten - on the bottom

das Wetter ist... the weather is...

Auf dem Foto gibt es/sieht man – on the photo there is/you can see.

Das Foto ist drinnen/draußen – the photo is inside/outside.

Es sieht aus wie Sommer – it looks like summer **Es könnte ein Geburtstagsfeier sein** – it could be a birthday

Ich würde sagen, dass – I would say that Sie sehen glücklich / traurig aus – they look happy/sad

Answer booster	Solid answer	Aiming higher	Aiming for the top
Verb structures in past	Letztes Jahr bin ich nach gegangen last year I went to Letztes Jahr habe ich gespielt – last year I played Als ich jünger war- when I was younger Als ich Jahre alt war- when I was years old	Jeden Tag ging ich/ass ich/trank ich/fuhr ich/spielte ich/machte ich – everyday I used to go/eat/drink/travel/play/do Ich wollte immer + infin- I always wanted to	Ich habe mich entschieden, dass—I decided that Ich hatte es mir immer vorgestellt, dass — I always planned to Pluperfect: Ich hatte Tennis gespielt — I had played tennis Ich war ins Kino gegangen — I had gone to the cinema
Verb structures in present	Ich bin/ich habe — I am/I have Er ist/er hat — he is/he has Ich gehe schwimmen — I go swimming Ich sehe fern - I watch TV Ich fahre Rad - I ride my bike	Ich will + infin— I want to Ich soll + infin— I should Ich darf + infin - I am allowed to Ich muss + infin - I have to Ich kann + infin - I can Es gibt - there is Es gibt keinen/keine/keinthere isn't	Ich spiele seit einem Jahr Geige – I have played violin for 1 year. Ich lerne seit zwei Jahren Deutsch – I have been learning German for 2 years Ich lerne weder Musik noch Kunst – I am neither studying music nor art
Verb structures in future	Nächstes Jahr werde ich + infin - Next year I am going to Er/sie wird + infin – He/she will- Am Wochenende will Ich + infin At the weekend I want to Wenn ich älter bin werde ich+ infin -When I am older I will	Ich habe (in der Zukunft) vor,zu + infin – In the future I intend to— Mein Traumhaus wäre groß und es hätte ein Schwimmbad – My ideal house would be big and it would have a swimming pool Wenn ich reich wäre, würde ich ein großes Auto kaufen – if I were rich, I would buy a big car	Wenn es möglich wäre, würde ich - if it were possible, I would Wenn ich könnte, würde ich -if I could, I would Wenn ich viel Zeit hätte, würde ich if I had time I would Wenn ich die Wahl/genug Geld hätte, würde ich if I had the choice/enough money, I would
Idioms	Er hat Schwein gehabt! – he was lucky!	Da kannst du Gift drauf nehmen – you can bet your life on that	Du hast den Nagel auf den Kopf getroffen!- you've hit the nail on the head
	Past	Present	Future
Opinions in three tenses	Ich mochte es — I used to like it Ich fand es — I found it Es hat mir gut gefallen/nicht gut gefallen — I liked it/didnt like it Was mir am besten gefallen hat, war—what I liked the most was Ich war überzeugt, dassI was surprised that	Ich mag/ich mag nicht — I like/don't like Ich finde es I thinks it's Mir gefällt es/ Mir gefällt es nicht — I like it/don't like it Meiner Meiniung nach, — in my opinion Ich denke,dass I think that	Es wirdsein – it will be Ich freue mich drauf – I'm looking forward to it. Es wäre toll! – it will be great!

Openers / Connectives / Extenders

zuerst	first of all	obwohl	although	infolgedessen	although	nachdem	after
dann	then	nochmal	again	deshalb	therefore		
zum Schluß	finally	einerseits	on the one side	zum Beispiel	For example	trotzdem	nevertheless
,umzu	In order to	anderseits	on the other side	Auf der einen Seite	on the other hand	jedoch	however

Module 4 At home Zu Hause der Flur hall die Küche kitchen das Arbeitszimmer studv das Badezimmer bathroom dininaroom das Esszimmer das Schlafzimmer bedroom das Wohnzimmer sitting room Ich wohne (seit vier Jahren) ... I have been living ... (for four years). am Stadtrand on the outskirts / in the suburbs auf dem Land in the countryside das Einfamilienhaus detached house die Doppelhaushälfte semi-detached house das Reihenhaus terraced house der Wohnblock block of flats im zweiten Stock on the second floor im Untergeschoss in the basement im Erdgeschoss on the around floor der Dachboden loft, attic simsen to text eine SMS schicken / senden to send a text soziale Netzwerke nutzen to use social networks im Fotos hochladen to upload photos Musik herunterladen to download music sich mit Freunden unterhalten to chat with friends Ein großer Vorteil ist, dass ... A big advantage is that Der größte Vorteil ist, dass ... biggest advantage is that Ein großer Nachteil ist, dass ... A big disadvantage is that ... Der größte Nachteil ist, dass ... The biggest disadvantage is that ... Das Gute daran ist, dass ... The good thing about it is that ... Das Beste daran ist, dass ... The best thing about it is Schlecht daran ist, dass ... What's bad is that

Module 5 Ich fahre ... I travel ... mit dem Zug / Bus / Auto / Rad by train / bus / car bike mit der U-Bahn / S-Bahn / by underground / urban railwav / Straßenbahn tram Ich fliege mit dem Flugzeug. I travel by plane. Ich fliege. I fly. Ich gehe zu Fuß. I go on foot. / I walk. Ich möchte ... reservieren. I would like to reserve ... ein Einzelzimmer a sinale room zwei Doppelzimmer two double rooms ein Zimmer mit Aussicht a room with a view Gibt es WLAN im Hotel? Is there Wi-Fi in the hotel? Um wie viel Uhr ist das Frühstück / What time is breakfast /Abendessen? dinner? Wie viel kostet das Zimmer? How much is the room? Fahrkarten kaufen Buying train tickets Einfach oder hin und zurück? Single or return? Wann fährt der nächste Zug ab? When does the next train leave? Er fährt um 12:51 Uhr vom Gleis 22 ab It leaves at 12:51 from platform 22. Wann kommt er an? when does it arrive? Fährt der Zug direkt oder muss ich umsteigen? Does the train go direct or do I need Ferienunterkunft Holiday accommodation die Jugendherberge(n) vouth hostel der Campingplatz(-plätze) campsite Ich war total unzufrieden. I was totally dissatisfied. Ich werde nie wieder in diesem Hotel übernachten. I will never stay in this hotel again. Es gab keine Klimaanlage. There was no air conditioning. Es gab Renovierungsarbeiten. There were renovation works. Es gab viel Lärm. There was a lot of noise.

Module 6 Das Wetter The weather Es ist ... It is ... sonnig sunnv trocken dry regnerisch rainy windig windy wolkig cloudy neblig foggy frostig frostv stürmisch stormy wechselhaft changeable Es ... It's ... friert freezing hagelt hailing raining regnet schneit snowing Die Temperaturen liegen zwischen (15) und (18) Grad.Temperatures lie between (15) and (18) degrees. Die Temperatur ist hoch / niedrig. The temperature is high / low Ich mache (nicht) gern ... I (don't) like ... Pauschalurlaub a package holiday Erlebnisurlaub an adventure holiday Strandurlaub a beach holiday Urlaub auf Balkonien a staycation / a holiday at home Meine Stadt My town: Ich wohne in einer Stadt / in einem Vorort, wo ... I live in a town / suburb where ... man (Lebensmittel) kaufen kann you can buy (groceries) ich überall zu Fuß hinkomme I can get everywhere on foot ich mich nie langweile I never get bored es oft zu laut ist it is often too noisy es zu viel Verkehr / Müll gibt there is too much traffic / rubbish Es gab weder Freibad noch Tennisplatz. There was neither an open-air pool nor a tennis court.

KT1: The Weimer Republic, 1918-29				Key Words	
1.	This was the name given to Germany after the Kais This was a time of despair and hope for Germany. A		1.	Abdication:	When a monarch leaves the throne
	but under Gustav Stresemann, ther		2.	Republic: A	country without a King or a Queen
Key Ev	ents		3.	Ebert: The fi	rst President of the Republic
2.	1918 World War One ended. The Kaiser abdicated a without a monarch (a Republic).	nd Germany became a country	4.	Stresemann	: The Chancellor of Germany from the Summer of 1923
3.	1919 January Spartacist Uprising		5.	Article 48: T	he President could use this to ignore the Reichstag and rule
4.	1919 June Signing of the Treaty of Versailles		-		
5.	1919 August Weimar Constitution finalised		6.	Kaiser: King	
6.	1920 Kapp Putsch		7.	Armistice: A	n agreement to end war
7.	1923 French occupation of the Ruhr and hyperinflati	ion	8.		e new government could not meet in Berlin as it was so so they met here instead.
8.	1924 Dawes Plan			_	· · · · · · · · · · · · · · · · · · ·
9.	1925 Locarno Pact		9.		en: An enforced peace
10.	1926 Germany joins League of Nations		10.	Freikorps: E	x military soldiers who wanted to overthrow the
11.	1928 Kellogg Briand Pact		11.	Rentenmark	c: The currency of Germany after November 1923
12.	1929 Young Plan				
Key Co	ncepts		12.	нурегіппаті	on: When money loses its value
	The Weimar Republic faced much opposition, It was		13.	Dawes Plan: An agreement where the USA would lend Germany mo	
13.	Germany to be like Communist Russia and it was dis the monarchy back	liked by the right wing who wanted	14.	Young Plan: longer to pa	This lowered the reparations payment and gave Germany y
14.	The Treaty of Versailles caused many problems for G the politicians for signing it and it caused political pr		15.	Treaty of Ve	ersailles: This decided how Germany was going to be treated
15.	Gustav Stresemann helped to bring about recovery 1924. He solved economic problems by making frier		16.	Locarno Pac and Belgium	t: An agreement on borders signed by Britain, France, Italy
13.	countries. However, historians have very different v recovery.	iews about the extent of this	17.	Kellogg Bria	nd Pact: 65 counties including Germany agreed to resolve cefully
16.	The Golden age was the period from 1924-29 and it culture, the standard of living and the position of wo		18.	Coalition: A	government of two or more political parties
	History 1 of 2	Page 27			Year 10: September to January

	History 2 of 2	Page 28				Year 10: September to January
	KT2: Hitler's Rise to Power					Key Words
1	Hitler sets up the Nazi Party in 1920 and becomes Chancellor in January 1933. This			1.	NSDAP: The I	Nazis
1.	happens for a variety of reasons – Hitler's strengths, Republic, and the weaknesses of others.	inbuilt problems of the Weimar		2.	Iron Cross Av	ward: Given for bravery in war
Key Ev	ents			3.	Volk: The not	tion of pure German people
2.	1919 Hitler joins the German Worker's Party			4.	25 Point Prog	gramme: The political manifesto of the Nazi Party
3.	1920 Hitler sets up the Nazi Party			5.	Volkischer Re	eobachter: People's Observer, a Nazi newspaper
4.	1921 Hitler introduces the SA			J.	VOIKISCHEI BE	eobaciitei. Feople's Observer, a Nazi newspaper
5.	1923 The Munich Putsch			6.	Fuhrerprinzi	p: Belief that one person should run a Party
6.	1925 Mein Kampf published			7.	Swastika: Em	nblem of the Nazi Party
7.	1926 Bamberg Conference			8.		abteilung: Private army of the Nazi Party headed by
8.	1928 Nazis win 12 seats in Reichstag				Himmler	
9.	1929 Death of Stresemann and Wall Street Crash			9.	Aryan: Pure 0	German people
10.	1930 Nazis win 107 seats in Reichstag			10.	Anti-Semitisr	m: Hatred of the Jewish people
11.	1932 July Nazis win 230 seats in Reichstag			11.	Mein Kampf:	: Hitler's autobiography
12.	1932 November Nazis win 196 seats in Reichstag			12.	Putsch: An at	ttempt to get power illegally
13.	1933 January Hitler becomes Chancellor			13.		rs: 16 Nazis who died at the Munich Putsch
Key Co	ncepts				Dioda ividity	13. 15 Nazis wile alea at the Mainer Fatser
13.	The Munich Putsch is a significant event. Although a wrote Mein Kampf and he realised that if he was to v			14.	Gaue: Local p	party branches
	votes and not by force.		4	15.	SS or Schutzs	staffel: Hitler's bodyguards
14.	Stable Stresemann caused problems for the popular were good, voters were not attracted to the Nazi pol			16.	KPD: Germar	n Communist Party
15.	The Wall Street Crash was a major turning point in the Nazi message did not change but people were now p	•		17.		Goebbels attempted to make people think in a certain way
16.	Political Deal - At a time when Nazi popularity at the handed power by political elites who feared a Comm	·		18. 19.	_	The President of the Republic from 1925 to 1934 ampferbund: The Communist's own private army
16.	Political Deal - At a time when Nazi popularity at the handed power by political elites who feared a Comm	·			_	<u> </u>

L01: Tools & Techniques

Phases of the Project Life Cycle

Initiation – Planning – Execution – Evaluation

- Workflow What task is dependent on another
- Contingency Time in a project plan that has no tasks assigned. Making sure the project still meets the final deadline.
- Milestone A given point in time when a task is expected to be started or completed.
- **Interaction**: How the phases link together.
- **Iteration**: The repeating of a phase.

Advantages of the Project Life Cycle

- Provides a structured approach for the project
- Defined inputs and outputs for each phase
- Roles and responsibilities are clearly defined
- Resources are allocated
- Project Manager can monitor progress
- End of phase reviews can be carried out

LO3: Understand how data and information can be collected, stored and used

Data: Raw facts and figures before they have been processed Information: Processed data that has a meaning

Formula: Information = data +[structure]+[context]+meaning

Methods used to collect data

- Questionnaires
- Email
- Sensors Interviews
- Consumber panels
- Loyalty schemes
- Statistical reports

Know the advantages & disadvantages for each one

L02: Planning

- **Gantt chart:** plans the tasks for a project
- Dependency: A dependent task is one that cannot be started until a previous, specified task has been completed.
- **Concurrent:** Tasks which can be completed at the same time.
- PERT: Program Evaluation Review Technique
- **Critical path**: The sequence of tasks that shows the shortest time taken for completion of a project.

	Inputs	Outputs
Initiation	User requirements	Feasibility report Legislation implications Phase review
Planning	Feasibility report Legislation implications	Project plan Test plan Constraints list Phase review
Execution	Project plan Test plan Constraints list	Deliverable product Test results Phase review
Evaluation	Deliverable product Test results	Release of deliverable product User documentation Final evaluation report

SWOT

Data dictionary: A description of the structure, contents and format of a spreadsheet or database. The relationships within the database are also included.

Asset log: A list of all the resources used in a project

Iterative process: A process of repeatedly carrying out a process.

Types of data to use in testing:

Normal data	Data that is acceptable to a co
	Data that is not acceptable to
xtreme data	Data that is on the bound
	acceptable and data that is no
	system. Extreme data should
	system as it is still valid data.

Data that is acceptable to a computer system. Data that is not acceptable to a computer system. Data that is on the boundary between data that is acceptable and data that is not acceptable to a computer

ystem. Extreme data should be accepted by a computer

Information used to support data collection

- Barcode readers
- OR codes
- Web-based surveys
- Wearable technology
- Mobile technologies

Storage Methods

The Cloud - Hard disk drive - Solid state drive - Optical dirve -Flash memory

Use of data

- Law enforcement
- Education
- Health & fitness
- Shopping
- Entertainment & leisure
- Lifestyle

IT 1 of 2 Page 29 **Year 10: September to January**

Data types

Data type	Description
Text	Any character
Alphanumeric	Any combination of letters, symbols, spaces or numbers
Integer	Whole numbers
Real	Any number, with or without decimal places
Currency	Show data in the form of money. It can be used to show currency symbols (e.g. £ or €) and have decimal places to show the full currency details
Percentage	A number format that includes decimal places and a % sign
Fraction	A number format, usually included in spreadsheet software, that enables actual fractions to be input and manipulated
Decimal	A number format that shows an exact number using a decimal point and numbers after the decimal point
Date/time	A date or time – there are different format of date and time that can be used. Which one is chosen will depend on how the date/time is to be stored and processed
Limited choice	Restricts the choice by a user; can be used on an information-gathering document
Object	An additional component, usually found in a spreadsheet
Logical/Boolean	There are only two choices, i.e. true or false

IT 2 of 2 L04: LO4: Understand the factors to be considered when collecting and processing data and storing data/information Adware Generates revenue for its author; this is any software that shows adverts such as pop-ups. Install, run and keep update a Takes control of a computer system; this is a security software package. type of malware that works without a user's Do not run software / click

result of human error during coding of the

software.

computer

connected computers.

configuration on a computer system.

without the user's knowledge Standalone malicious program designed to

Collected data from infected computers; usually hidden from the user and installed

other computers; almost always cause harm to networks even if only by using bandwidth.

knowledge. It can results in a "botnet" which links from unknown sources. is a network of infected computer systems.

Connected to flaws in software; usually the Check for an install any patches that are released from software vendors. Holds data on a computer system to ransom; Install, run and keep update a usually encrypts files and displays a message security software package. to the user. It spreads like a worm to Do not run software / click links from unknown sources. Designed to remotely access a computer Difficult to detect as they are system; allows a remote cyber attacker not usually detected by access to steal/modify data and/or security software; regular software update, keeping security software up to date and not downloading suspicious files are the only ways to trying to avoid a rootkit being installed.

hidden in valid programs. security software package. Attempts to make a computer system Do not run software / click unreliable; replicates itself from computer to links from unknown sources. Standalone program that replicates itself to

give full control of a PC to another PC; can be Install, run and keep update a

LO4: Understand the factors to be considered when collecting and processing data and storing data/information

Page 30

RFID: Radio Frequency Identification Tags can use radio frequency to transfer data from the tags to a computer system, for example to allow access to a room.

Access rights: Control over who has access to a computer system, folder, files, data and/or information.

Permissions: A set of attributes that determine what a user can do with files and folders, for example to read, write, edit or delete.

Encryption software: Software that is used to encrypt a file or data.

Encryption code/key: A set of characters, phrase or numbers that is used when encrypting or decrypting data or a file.

Current relevant IT legislation:

Year 10: September to January

GDPR 2018	Aims to protect the rights of the owners of data – the data subjects. It does not protect the data itself.
Copyright, Design and Patents Act 1998	Makes it illegal to copy a work without permission from the owner or copyright holder. It is also illegal to make unauthorised copies of software.
Computer Misuse Act 1990	Aims to protect data and information that is held on computer systems.
Health and Safety at Work Act 1974	Provides guidance to employers and employees when working with computer systems. The act also defines actions that an employer should take to protect employees who work with computers in their job.
Freedom of Information Act 2000	Provides public access to information held by public authorities.

Public authorities: Include government departments, the NHS, state schools and the police force.

Hacking

3 main types of hacking:

Bug

Rootkit

Spyware

Worm

Trojan horse

- White hat hacking: The hacker is given permission to hack into systems to identify any loopholes
- **Grey hat hacking**: The hacker hacks into computer systems for
- **Black hat hacking**: The hacker hacks into a computer system with malicious intent.

(DDOS) Distributed denial of service: is an attempt to make a computer or network system unavailable

Pharming: is a cyber-security attack that tries to redirect visitors from a genuine website to a fake one.

Impacts of a cyber-security attack

Identify theft-personal details are stolen Denial of service attack – authorized users unable to access a website

Impacts of a cyber-security attack

- **Data destruction**: data is destroyed by a cyber-security
- Data manipulation data is edited
- Data theft steals data from a person

Consequences of a Cyber-security attack

- Financial loss
- Loss of reputation

Prevention measures

- Bio metric protection measures
- Access rights and permissions
- Anti virus software
- Encryption
- Secure backup
- Overwriting data
- Magnetic wipe
- Physical destruction

L06: Understand the different methods of processing data and presenting information

Distribution channel: The methods that can be used to share information by individuals

- Email
- Social Media
- Websites
- Intranet private network
- Internet
- VoIP enables voice calls to be made over the internet
- Multimedia text, sound, video and graphics
- Cloud
- Mobile apps
- Integrated document document containing components from other documents
- End user documentation User guide

Metric System	A system of measures based on:	1kilometres = 1000 metres 1 metre = 100 centimetres
	- the metre for length	1 centimetre = 10 millimetres
	- the kilogram for mass	1 kilogram = 1000 grams
	- the second for time	$1000cm^3 = 1 \ litre$
	Length: mm, cm, m, km Mass: mg, g, kg Volume: ml, cl, l	
Metric and	Use the unitary method to convert	5 miles ≈ 8 kilometres
Imperial Units	between metric and imperial units.	$1 \ gallon \approx 4.5 \ litres$
		$2.2 pounds \approx 1 kilogram$
		1 inch = 2.5 centimetres
Speed,	Speed = Distance ÷ Time	Speed = 4mph
Distance, Time	Distance = Speed x Time	Time = 2 hours
	Time = Distance ÷ Speed	
		Find the Distance.
	S T	$D = S \times T = 4 \times 2 = 8 \text{ miles}$
	Remember the correct units.	
Quadratic Grapl		
Quadratic Graph	A 'U-shaped' curve called a parabola. The equation is of the form	y
Grapii	$y = ax^2 + bx + c$, where a, b and c are	
	numbers, $a \neq 0$.	
	If $a < 0$, the parabola is upside down .	(2, -9)
Roots of a Quadratic	A root is a solution .	4
-	The roots of a quadratic are the x -	[2]
	intercepts of the quadratic graph.	
	A turning point is the point where a quadratic turns .	2 1 2 3 4

1. Equation of line	Horizontal/ vertical/ diagonal?	Sketch HM: 205
x = ?	Vertical	Example 1
y = ?	Horizontal	Example 1
y = x	Diagonal	y 5 4 3 2 y = x 1 1 2 3 4 5 6 7 x
y = -x	Diagonal	y = -x 1 2 3 4 5 6 7 x

Graphs

... have the same gradient

Equation of a y = mx + cstraight line Gradient m y-intercept cGradient between (x_1, y_1) and (x_2, y_2)

Gradient of a perpendicular line is the negative Reciprocal of m.

Two lines are Perpendicular, if their gradients multiply to make -1

Rearranging/Make y the subject

Use inverse operations on both sides of the formula (balancing method) until you find the expression for the letter.

Make **x** the subject means to rearrange to the equations is in the form x =

Make x the subject of $y = \frac{2x-1}{x}$

Multiply both sides by z vz = 2x - 1Add 1 to both sides

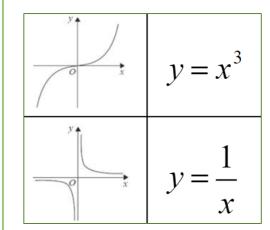
yz + 1 = 2xDivide by 2 on both sides

$$\frac{yz+1}{2} = x$$

We now have x as the subject.

Further Graphs

Parallel lines...



Further Conversions

km → m	× 1000		
km² → m²	× 1000²		
km³ → m³	× 1000 ³		
m → cm	× 100		
$m^2 \rightarrow cm^2$	× 100 ²		
$m^3 \rightarrow cm^3$	× 100 ³		
cm → mm	× 10		
cm² → mm²	× 10 ²		
cm³ → mm³	× 10³		

Simultaneous Equations

- 1. Balance the coefficients of one of the variables
- 2. Eliminate this variable by adding or subtracting the equations (Same sign Subtract, different sing add)
- 3. Solve the linear equation you get using the other variable
- 4. Substitute the value you found back into one of the previous equations
- 5. Solve the equation you get
- 6. Check that the two values you get satisfy both of the original equations

5x + 2y = 910x + 3y = 16Multiply the first equation by 2.

$$10x + 4y = 18$$
$$10x + 3y = 16$$

Same Sign Subtract (+10x on both)

$$y = 2$$

Substitute y = 2 in to equation.

$$5x + 2 \times 2 = 9$$
$$5x + 4 = 9$$
$$5x = 5$$
$$x = 1$$

Solution:
$$x = 1, y = 2$$

1st 10 Square Numbers

1, 4, 9, 16, 25, 36, 49, 64, 81, 100...

1st 10 Cube Numbers

1, 8, 27, 64, 125, 216, 343, 512, 729, 1000...

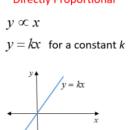
1st 10 Prime Numbers

2, 3, 5, 7, 11, 13, 17, 19, 23, 29...

The Fibonacci Sequence (1st 10)

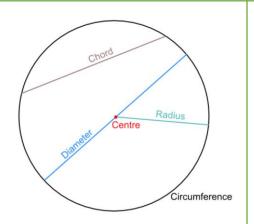
1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89...

Directly Proportional



Inversely Proportional

Inversely Proportional
$$y \propto \frac{1}{x}$$
 $y = \frac{k}{x}$ for a constant k



Diameter =
$$2 \times r = 2r$$

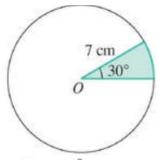
Circumference =
$$\pi \times d = \pi d$$

Circumference =
$$\pi \times 2 \times r = 2\pi r$$

Area =
$$\pi \times r \times r = \pi r^2$$

Quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



$$Arc Length = \frac{\theta}{360^{\circ}} \times 2\pi r$$

$$= \frac{30^{\circ}}{360^{\circ}} \times 2 \times \frac{22}{7} \times 7cm$$

$$= 3.667 cm$$

Area of Sector =
$$\frac{\theta}{360^{\circ}} \times \pi r^2$$

= $\frac{30^{\circ}}{360^{\circ}} \times \frac{22}{7} \times 7^2$
= 12.83 cm^2

Quadratic form $ax^{2} + bx + c = 0$

Solving Quadratic Equations by Factoring

Let's solve the equation
$$1x^2 - 7x = 18$$

need this to be 0

First you need to get it in what we call "quadratic form" which means $ax^2 + bx + c = 0$

So we have
$$x^2 - 7x - 18 = 0$$

 $(x-9)(x+2) = 0$
 $x-9 = 0$ or $x+2 = 0$

x = 9 or x = -2

Now let's factor the left hand side

Now set each factor = 0 and solve for each answer.

•
$$a^2 + 2ab + b^2 \longrightarrow (a+b)^2$$

Example:
$$25x^2 + 90x + 81$$
 $(5x + 9)^2$

•
$$a^2$$
 - $2ab + b^2 \longrightarrow (a - b)^2$

Example:
$$9x^2 - 42x + 49$$
 $(3x - 7)^2$

•
$$a^2 - b^2$$
 \longrightarrow $(a+b)(a-b)$

Example:
$$x^2 - 64$$
 $(x + 8)(x - 8)$

	Music 1 of 3	Page 34	Year 10: September to January		
Year 10 – Term 1-3 – Rhythms of the World: Indian Classical, Punjabi Bhangra, Eastern Mediterranean and Middle Eastern and Arabic Folk Rhythms, West African Drumming, Calypso and Samba					
Articulation How smoothly or "spikily" something is played e.g. Legato means played smoothly often shown by slurs, Staccato means played short and sharp often shown by dots above or below a note, Accents (>), Sforzandos (Sfz or Sf) and Tenuto (meaning held or sustained shown by a line above a note) are also means of articulation					
Bass Pan The largest Steel Pan within a Steel Band ensemble playing the lowest pitch and playing the bass note, often the root of the chord often using dotted rhythms.					
•	Bouzouki A stringed instrument that has three or four pairs of strings. It is most often used as a melody instrument and often plays distinctive slides and tremolos in thirds in Greek folk music.				
•	<u>Cadence</u> A progression of (at least) two chords that concludes a phrase, section or piece of music. Cadences can be defined as Perfect, Plagal, Imperfect and Interrupted.				

- third and fifth notes of a chord on offbeats.
- Chaal The rhythm on which Punjabi Bhangra is based consisting of a repeated eight note pattern in 4/4 metre.
- **Compound Time** 6/8, 9/8 and 12/8 are compound time signatures.

Conga A pair of tall, narrow single-headed drums played with the hands on a stand which the musician has to stand to play used in Calypso and Samba.

Call and Response A succession of two different phrases where the second phrase is heard as a direct commentary on or response to the first.

- Cross-Rhythms The effect produced when two "conflicting" rhythms are heard together.
- Cuica A Brazilian friction drum used in Samba music with a large pitch range, produced by changing the tension on the head of the drum.
- **Dhol** A type of drum used in Bhangra music (smaller than the Dholak) and played with the hands, often slung from the shoulder.
- **Djembe** A skin-covered African hand drum shaped like a large goblet made out of single tree trunk hollowed out. The skin is made from goatskin and rope is used to tighten the skin to tune the drum to the appropriate pitch. The Djembe is played with the hands and can produce three different tones – the Bass Tone, the Slap Tone and the Tone. Drummers often create effects by dampening the sound or striking the wooden part of the drum.

Cello Pan The second largest Steel Pan within a Steel Band ensemble playing the chords, melody or bass. The Cello Pan is also known as the Guitar Pan and often plays the

- **Dotted Rhythms** A dot after a note increases its value by half again. A dotted crotchet lasts for one and half crotchets, a dotted guaver lasts for one and half guavers.
- **Double Seconds** The second smallest Steel Pan within a Steel Band.
- **Dynamics** The loudness or softness of a sound or section/piece of music.
- Guitar Pan The second largest Steel Pan within a Steel Band ensemble playing the chords, melody or bassoon offbeats.
- **Harmony** The sounding of two or more long musical notes at the same time.
- Improvise Composing or creating previously unprepared music "on the spot" or during a performance.
- Irregular Metres Time signatures where there are an odd number of beats per bar e.g. 5/8 or 7/8, often used in Eastern Mediterranean and Middle Eastern folk music.

- Melody musical term for The "tune" the most memorable part of a song or piece of music.
- <u>Metre</u> The rhythmic structure, the patterns of accents heard regularly recurring measures of stressed (accented) and unstressed (unaccented) beats at the frequency of the music's pulse. Metre is notated at the beginning of a composition with a time signature.
- <u>Microtonal</u> A type of Harmony used in Arabic folk music and Punjabi Bhangra where the intervals between notes of a scale (or mode) are smaller than a semitone, often a "quarter tone" giving 24 notes in an octave. Microtonal music can sound "strange" or "exotic" to 'Western ears' who are used to hearing 12 intervals per scale.
- <u>Mode</u> A seven-note scale with a fixed pattern of tones and semitones between the notes, different from conventional major and minor scales. Arabic folk music uses a system of melodic modes called Magam with Microtones.
- Ornament(s) (-ation) Ornaments or embellishments are musical flourishes that decorate or ornament a rhythmic or melody line.
- <u>Ostinato</u> A rhythmic ostinato is a short, constantly repeated rhythmic pattern. A melodic ostinato is a short melodic phrase repeated throughout a composition, sometimes slightly varied or transposed to a different pitch.
- Parallel Melodies Two or more melodies being performed at the same time the same musical interval apart.
- Pitch How high or low a note is. The pitch of a note can be measured by a unit called Hertz.
- Polyrhythm(s) When two or more rhythms with different pulses are heard together.
- Pulse The underlying beat in a piece of music.
- Raga A type of scale, mode and melody used in Indian Classical music each with a particular mood and associated with a particular time of day. Also the name given to a complete piece/performance of Indian Classical music.
- <u>Repinique</u> A small drum used in Samba bands and Samba music, similar to a snare drum but taller, that is usually played with one stick and the bare hand. It has a more metallic tone than the snare drum and can be used to play solo cues in call and response patterns.
- Rhythm A series of notes of different lengths that create a pattern which usually fits with a regular beat or pulse.
- Simple Time Where the beat is a whole note e.g. a crotchet or minim beat -2/4, 3/4, 4/4 and 2/2 are all simple time signatures.
- <u>Sitar</u> An important instrument in Indian Classical music which has a long neck and has between four and seven metal strings. Most of the strings are plucked with a metal plectrum. The Sitar player plays the melody as well as some of the drone notes based on a raga which is often improvised. The Sitar is played in a sitting position with crossed legs.
- Son Clave A rhythm used in Samba music originating from Son music played by the Claves, but in Samba used as a rhythmic ostinato. There are two main variants of Son Clave, known as 2:3 and 3:2.
- <u>Steel Pan</u> Steel Pans are made by cutting oil drums into different sizes and then beating the tops into concave bowls. Each individual note is then beaten into a small area of the bowl. Small rubber-headed sticks are used to strike each note. These days, Steel Bands consist of a number of different-sized Steel Pans, and a rhythm section of Latin-American percussion instruments. Each pan or pair of pans has its own name according to its pitch-range.
- <u>Structure (Phrasing)</u> The way a piece of music is built up and ordered into different sections e.g. introduction, verse, chorus, ending/coda etc. A musical phrase can be used to describe smaller sections of the music.

Music 2 of 3 Page 35 <u>Year 10: September to January</u>

Music 3 of 3	Page 36	Year 10: September to January
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- <u>Surdo</u> A bass drum used to make the beat of Samba music. Surdos keep a steady beat and alternate between higher and lower pitches. A smaller Surdo often plays an important role within the ensemble.
- Syncopation A way of changing a rhythm by making some notes a bit early, often so they cross over the main beat of the music on the "weaker beats".
- <u>Tabla</u> A pair of small drums used in Indian Classical music and Punjabi Bhangra placed side by side on the floor in front of the player. Their main role is to keep the time, but they sometimes interact with the soloist and have short solos. Some strokes (bols) are open (allowed to ring and vibrate) and others are closed (dampened).
- <u>Tala</u> Indian classical music is based on rhythm patterns called Talas a repeating rhythm pattern usually played by the Tabla. Usually one piece of music is based on a single Raga and a single Tala. There are over 300 different Talas, or rhythmic cycles, in Indian classical music and like Ragas, they all have names. Each Tala has a certain number of beats, or mātrās, per cycle (called the avartan). And each cycle is divided into a number of sections called vibhāgs. The most popular Tala is called Tintal (Teental) and has 16 beats per cycle.
- <u>Talking Drum</u> The most famous is the TALKING DRUM, called so because the PITCH can be altered by tightening or loosening a cord around the body of the drum and the changes have been likened to the sound of the human voice. Talking Drums are usually played with sticks.
- <u>Tanpura</u> A stringed instrument similar to the Sitar used in Indian Classical music, but it has fewer strings (usually four) and no frets. Unlike the Sitar, it plays very simple and repetitive music frequently performing the drone part within a raga as a form of musical accompaniment.
- **Tempo** The speed of the underlying beat in a piece of music. Sometimes the tempo is written at the beginning of the music and is called a Metronome Marking.
- <u>Tenor Pan</u> The smallest and highest pitched Steel Pan in a Steel Band and usually plays the melody.
- <u>Texture</u> The number of different parts in its simplest form "thick" texture is a lot of sound and "thin" texture is a few sounds. Much rhythmic music played by ensembles has a thick Polyphonic texture where rhythms interweave with other creating a thick web of sound although if all members of the group are playing the same rhythm at the same time, then texture will be Monophonic. Homophonic- Melody and Accompaniment textures feature in Punjabi Bhangra, Greek folk music and Steel Pan Calypso music.
- <u>Timbales</u> Shallow single-headed drums with metal casing used in Samba music. The player uses a variety of stick strokes, rim shots and rolls to produce a wide range of percussive expression during solos and at transitional sections of music.
- <u>Timbre/Sonority</u> Each instrument's unique "tone colour" or "tone quality". Timbre/Sonority is the quality of a musical note, sound or tone that distinguishes different types of sound production such as voices and musical instruments, string, wind, brass and percussion instruments.
- <u>Tonality</u> The character of a piece of music is related to its key centre or tonality. Tonal music is in a major or minor key, atonal music is not related to a tonic note and therefore has no sense of key and modal music is based on a seven-note scale.
- <u>Triplets</u> Three notes played in the space of two.

BTEC Sport – Unit 1 – Fitness for Sport and Exercise - Knowledge Organiser

		Components of Fitness				Principles of Training	,
Muscular Endurance	The a	Health-related Fitness ability to use voluntary muscles repeatedly, without getting tired	1	1 F.I.T.T		Frequency – how often you Intensity – how hard you tra Time – how long you train f Type – what training metho	ain for
Muscular	1		2	Progressive Ove	rload	Making training steadily harder	r, to gradually improves fitness
_	+		3	Individual Need	s	Matching the training to the re-	quirements of the individual person
Composition	1		4	Specificity		Matching the training to the pa	rticular requirements of an activity
Flexibility	A ran	ge of movement possible at a joint	5	Adaptation		Body adapts (changes) in respo	nse to training
Cardiovascular Fitness			6	Reversibility		Any improvements or changes you stop training	that take place will be reversed when
Speed	1	·	7	7 Variation Training must be vari		Training must be varied to avoi	d boredom
0.000					Methods of Training		
					Flexibility training		
			1	Static stretching			
	1		┨┞		_		
1000			- ²	Ballistic stretchin	_	-	e complete range of motion
Agility A measure of how quickly you can change the position of your body, while keeping your body under control.		3	3 PNF stretching		- Used to develop mobility, strength and flexibility		
Reaction Time	The t	ime it takes to respond to a stimulus			-	Performed with a partner or an ob	ject
•		Exercise Intensity			Stren	gth, Muscular Endurance and I	Power training
Maximum Heart Ra	ate	220 – Age = MHR	1	Circuit training	1		fatigue
Aerobic Training 20	ne	60 – 85% of your maximum heart rate (e.g. MHR x 0.6 = 60%)	2	Free weights	1	•	•
Anaerobic Training	zone	85 – 95% of your maximum heart rate (e.g. MHR x 0.85 = 85%)			 		1
BORG's Scale		RPE x 10 = HR					Low reps and high loads
RPE		Rating of Perceived Exertion			Train	ing for endurance	High reps and low loads
Todalo-Condon				Train	ing for strength endurance	50-60% of 1 RM and 20 reps	
14/	Dudae I				Train	ing for elastic strength	75% of 1RM and 12 reps
,			\dashv				90% of 1RM and 6 reps
Cool Down	Pulse	owering activity, Static Stretching	3	Plyometrics	Deve	lops explosive power and strength	n e.g. lunging, jumping, incline press-up
				+	•		
	Endurance Muscular Strength Body Composition Flexibility Cardiovascular Fitness Speed Balance Coordination Power Agility Reaction Time Maximum Heart Ra Aerobic Training zo Anaerobic Training BORG's Scale	Endurance Muscular Strength over Strength over Composition body Flexibility A ran Cardiovascular Fitness gettii Speed How cover Strength Speed How cover Cover Strength Strength Speed Strength Speed Strength Speed How cover Strength Speed Strengt	Health-related Fitness Muscular Endurance Muscular The ability to use voluntary muscles repeatedly, without getting tired for a muscular Strength Muscular The amount of force a muscle can generate when it contracts to overcome resistance. Body The ratio of fat to fat free mass (vital organs, muscle, bone) in the body Flexibility A range of movement possible at a joint Cardiovascular Fitness The ability to exercise the body for long periods of time, without getting tired Speed How quickly a movement can be performed or a distance can be covered Skill-related Fitness Balance The ability to maintain centre of mass over a base of support Coordination The ability to use two or more body parts at the same time Power Strength X Speed Agility A measure of how quickly you can change the position of your body, while keeping your body under control. Reaction Time The time it takes to respond to a stimulus Exercise Intensity Maximum Heart Rate 220 – Age = MHR Aerobic Training zone 60 – 85% of your maximum heart rate (e.g. MHR x 0.6 = 60%) Anaerobic Training zone 85 – 95% of your maximum heart rate (e.g. MHR x 0.85 = 85%) BORG's Scale RPE x 10 = HR RPE Rating of Perceived Exertion Training Sessions Warm up Pulse Raiser, Stretching, Skill-related activity	Health-related Fitness Muscular The ability to use voluntary muscles repeatedly, without getting tired formulated in the properties of the properties o	Health-related Fitness Muscular Endurance	Health-related Fitness Muscular Endurance	Health-related Fitness 1 F.I.T.T Frequency - how often you -

PE BTEC 1 of 2 Page 37 <u>Year 10: September to January</u>

BTEC Sport – Unit 1 – Fitness for Sport and Exercise - Knowledge Organiser

		Methods of Training			
		Aerobic Training			
1	Continuous training	Training at a steady pace for a minimum of 30 minutes	1	Hollow sprints	A series
2	Fartlek training	Running at different speeds or over different terrains]	Acceleration	walking Pace gr
3	Interval training	Individual performs a work period followed by a rest or recovery period		sprints	then st
4	Circuit training	- Different stations/ exercises used, - Use different muscle groups to avoid fatigue	3	Interval training	Individu period
		What can be varied Number of stations; time spent at each station; number of circuits; rest period between exercises; number of sessions per week			

		Methods of Training			
	Speed Training				
1	1	Hollow sprints	A series of sprints separated by a 'hollow' period of jogging or walking		
1	2	Acceleration sprints	Pace gradually increased from a standing/ rolling start to jogging, then striding and then to a maximum sprint.		
Ī	3	Interval training	Individual performs a work period followed by a rest or recovery period		

	Fitness Tests				
	C.o.F	Fitness Test	Information	Advantages	Disadvantages
		Body Mass Index (BMI)	BMI = Weight (kg) ÷ (Height x Height (m)) Measured in kg/m²	- Easy to carry out - Simple calculations used	- Results can be misleading as muscle weighs more than fat
1	Body Composition	Bioelectrical Impedance Analysis (BIA)	Electricity passed through the body from the wrist to the ankle.	- Quick and gives instant results - Can be repeated over time with no bad effects	- Needs expensive equipment
		Skinfold Test	Equipment - Callipers	- Provides accurate percentages of body fat	- Needs specialist equipment - Problem with people revealing bare skin
2	Aerobic	Multi-Stage Fitness Test	Measured in ml/kg/min	- Can test a large group at once - Tests a performers maximum effort	- Scores can be subjective - If outside, environment may affect the result
	Endurance	Forestry Step Test	Equipment – Metronome	- Can test on your own - Can be performed inside or outside	- People may struggle to keep with the stepping pace on the metronome
3	Speed	35m Sprint Test	Sprint in a straight line over 35m	- Little equipment so cheap to run	- Human error when timing can affect results
4	Strength	Grip Dynamometre	Measured in KgW	- Simple and easy test - Can be conducted anywhere	- Must be adjusted for correct hand size - Specialist equipment required
5	Flexibility	Sit and Reach test	Measured in cm	- Quick and easy to perform	- Only measures lower back and hamstring
6	Muscular Endurance	Sit up / Press Up Tests	Measured in repetitions	- Quick and easy, with little equipment - Can test a large group at once	- Different techniques can affect comparison of results
7	Agility	Illinois Agility Test	Measured in seconds	- Cheap and easy to conduct	- Human error with timing may affect the result - Weather/ surface conditions can affect results
8	Power	Vertical Jump Test	Measured in kgm/s	- Quick and easy to conduct	- Technique may affect results as need to jump and mark the wall 46



Body composition

The percentage of body weight which is fat, muscle and bone

Cardiovascular fitness

The ability of the heart. lungs and blood to transport oxygen

Flexibility

The range of motion (ROM) at a joint

Muscular endurance

The ability to use voluntary muscles repeatedly without tiring

Muscular strength

The amount of force a muscle can exert against a



Health "total physical, mental and social well-being and not only the



HEALTH, FITNESS and

COMPONENTS OF

FITNESS

Agility

The ability to change the position of the body quickly and control the movement

Balance

The ability to maintain the body's centre of mass above the base of support

Coordination

The ability to use two or more body parts together

Power

The ability to perform strength performances quickly

Reaction time

The time taken to respond to a stimulus



resistance



"the ability to meet the demands of the environment"



Speed

The ability to put body parts into motion quickly

Principles of training

Specificity - training must be relevant to the individual and their sport. This can be achieved by tailoring training specifically for the sport or even the position that the individual plays, the muscle groups they use the most or the dominant energy system of the athlete. For example, a 100 m sprinter is likely to train very differently to a 10 km racer despite them both being track athletes. The sprinter will focus on speed and power while the distance runner will train for cardiovascular fitness and the ability to work aerobically at high intensity.

Progressive overload - training frequency, intensity and duration must be increased over the training period to ensure that the body is pushed beyond its normal rhythm. Increases must be gradual so that the athlete avoids a plateau in performance or, even worse, injury.

- Frequency is increased by training a greater number of times each week.
- Intensity is increased by lifting a greater resistance, such as with weight training, or by training at a higher percentage of maximum heart rate (maxHR). This can be done either as continuous or interval training.
- Duration can be manipulated by training for longer, reducing recovery times or by completing a greater number of sets or repetitions (also known as reps).

Variance - training must be varied, this will help with progression. Variance tends to focus on different training sessions and activities still work on the specific component of fitness. It will help to avoid a plateau in performance and also reduce tedium.

Body composition

Cardiovascular

Flexibility

Sit and Reach

Test

Hand Grip Dynamometer



Validity

"refers to the test measuring what it claims to measure'

Prior to training to assess the baseline fitness of the athlete and to help to get Strengths and weaknesses of athlete

programme: to monitor the on-going impact of the ingrovements, comparisors

FITNESS TESTING

At the end of the training and to plan for the next stages of training



Illinois Agility Test

Agility

Balance Stork Test

Coordination

Alternate hand throw test

Power

Vertical Jump Test

Reaction time

Ruler Drop Test

Speed

30 metre sprint test

Skin Fold Calliper

fitness

Multi Stage Fitness Test

12 Minute Cooper Run

Muscular endurance

60 Second Press up

Muscular strength 1 Rep Max Test



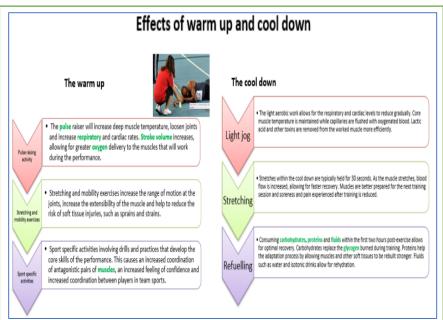


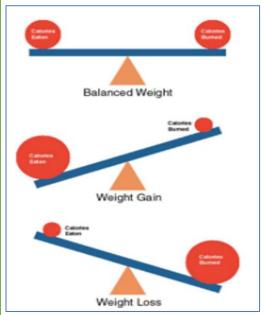
We Pan

Reliability "requires that the test should produce similar results each time the test is taken"

PE GCSE 1 of 2 Page 39 **Year 10: September to January**







Methods of training

Continuous training develops cardiovascular fitness

- A minimum of 20 minutes sub-maximal work.
- Target heart rate range between 60–80% maxHR. Aerobic work.
- · Swimming, running, cycling, walking or a combination of these disciplines.
- . Disadvantage some participants find longer sessions to be boring.

Fartlek (speed play) training develops a range of components and is used by games

- A continuous form of training.
- . Changes in speed, incline and terrain are used to provide changes in exercise
- . Aerobic and anaerobic work can be done in the quantities that suit the performer
- . Disadvantage some urban areas have little variety of incline and terrain.

Interval training develops strength, speed and muscular endurance

- · Periods of intense work interspersed with timed rest.
- · A wide variety of fitness types can be developed.
- · Structured in reps and sets.
- · Intensity is measured by % maxHR.
- · Disadvantage maximal nature of intervals can be too challenging for some participants.

Weight training develops strength

- · An interval form of training.
- . Intensity is measured in % 1 REP MAX (% of maximum lift).
- · Time is structured in reps and sets with specific timings for recovery between sets. · Huge range of possible lifts combining machines, free weights and body weight
- . Disadvantage many performers use poor technique while striving for ever

Plyometric training develops speed, coordination and power

- High intensity exercise involving explosive movements.
- . The muscle is lengthened and then rapidly shortened to develop the explosive capability of the muscle.
- · Suitable for well-trained athletes.
- · Very effective for developing power.
- . Disadvantage can cause injury if athlete is not in excellent condition.

Flexibility training develops flexibility

- · Essential training for all athletes in all sports and activities.
- . Time is measured by the length of hold and the recovery period between holds.
- · Intensity is measured as a percentage of Range of Motion.
- Disadvantage underused by many athletes.

Nutrients	Purpose	Examples
Proteins	Tissue growth – known as the body's building blocks	Animal products – meat; fish; dairy Plants – lentils; nuts; seeds
Carbohydrates	Source of energy. Divided into: Simple carbohydrates – sugars Complex carbohydrates – starches	Simple – sugar; glucose; fructose Complex – bread; pasta; rice; potatoes
Fats	Source of energy. Four types: Monounsaturated Polyunsaturated – omega 3 and 6 Saturated fats Trans fats	Monounsaturated – olive oil; avocados Polyunsaturated – oily fish; nuts; sunflower oil; soya beans Saturated fats – full-fat dairy; fatty meats Trans fats – many snack foods
Minerals	Essential for many processes, e.g. bone growth/strength; nervous system; red blood cells; immune system. Need small amounts only	Calcium – milk; canned fish; broccoli Iron – watercress; brown rice; meat Zinc – shellfish; cheese; wheat germ Potassium – fruit; pulses; white meat
Vitamins	Essential for many processes, e.g. bone growth; metabolic rate; immune system; vision; nervous system. Need small amounts only	A – dairy; oily fish; yellow fruit B – vegetables; wholegrain cereals C – citrus fruit; broccoli; sprouts D – oily fish; eggs; fortified cereals

Theme A: Relationships and families			
Adultery: A sexual relationship between a couple not ma	Adultery: A sexual relationship between a couple not married to each other, but married to/in relationship with others (affair)		
Age of consent: According to the law, the age at which a	Age of consent: According to the law, the age at which a person is considered old enough to give consent to have sex.		
Annulment: Cancellation of a marriage in Roman Catholic	Annulment: Cancellation of a marriage in Roman Catholic tradition, as if marriage never was.		
Civil marriage: Non-religious marriage.			
Civil partnership: Legal union of two people of same gender; now of equality with heterosexual marriage in all respects.			
Commitment: Making a promise or pledge, in this case, in	Commitment: Making a promise or pledge, in this case, in marriage.		
Celibacy: Not having sexual relations.			
Chastity: Sexual purity, e.g. not having sex before marriage	ge.		
Cohabitation: Where a couple live together without being	g married/in civil partnership.		
Contraception: Precautions taken to prevent pregnancy a	Contraception: Precautions taken to prevent pregnancy and to protect against contracting/transmitting STIs (sexually transmitted infections).		
Contract: A binding agreement between two sides.			
Covenant: An agreement based on promises between two sides made before God (as a witness) and with God (as a partner).			
Divorce: Legal ending of a marriage.			
• Extended family: Family unit comprising mother, father and children, but also grandparents, cousins etc.			
• Family planning: Planning when to have a family and how big a family to have by use of birth control practices and/or contraception.			
Gender discrimination: Acting on prejudices against someone because of their gender.			
Gender equality: Belief that both genders have equal status and value, so discrimination against either is wrong.			
Gender prejudice: The belief that one gender is 'better' t	han the other.		
Heterosexuality: Being physically/sexually attracted to per	ersons of the opposite gender.		
Homosexuality: Being physically/sexually attracted to pe	rsons of the same gender.		
Nuclear family: Family unit made up of mother, father an	nd their child(ren).		
Polygamy: The practice of one man having several wives.	Polygamy: The practice of one man having several wives.		Family unit in which child(ren) and one parent, either mum
Procreation: Having a child; seen as a duty in many religion.	ons.	or dad, live together.	
Remarriage: Marriage for the second time, after divorce.		Vows: Promises made	by bride and groom during marriage ceremony.
PRE 1 of 3	Page 4	1	Year 10: September to January

PRE 2 of 3	Page 42	Year 10: September to January		
Christianity				
Ascension: The event 40 days after the Resurrection, when Jesus returned to God, the Father, in heaven.				
• Atonement: Literally 'at-one-ment', it refers to the reconciliation between God and humanity that was sealed by the sacrificial death of Jesus.				
Catholic: The tradition within the Christian Church which i	Catholic: The tradition within the Christian Church which is led by the Pope.			
Christ: The leader promised by God to the Jews. The word	literally means 'Anointed One' in Greek; the Hebrew equivalen	t is Messiah. Christians believe Jesus to be the Christ.		
Christmas: The Feast Day commemorating the birth of Jes	us (25 December in most Churches).			
	 Church: The Holy People of God, also called the Body of Christ, among whom Christ is present and active. Members of a particular Christian denomination/tradition. A building in which Christians worship. 			
Creation: Christians believe that the world is God's loving	creation.			
Crucifixion: The execution and death of Jesus on Good Frid	Crucifixion: The execution and death of Jesus on Good Friday.			
Easter: The religious season celebrating the Resurrection	Easter: The religious season celebrating the Resurrection of Jesus from the dead.			
Evil: The opposite of good. A force that is seen in many tra	Evil: The opposite of good. A force that is seen in many traditions as destructive and against God.			
The Father: The first Person of the Trinity, the creator and sustainer of the universe.				
Grace: The unconditional and generous love that God shows to people who do not deserve it.				
Heaven: The state after death of being with and enjoying	Heaven: The state after death of being with and enjoying eternity with God			
Hell: The place of eternal suffering or the state after deat	h of separation from God for those who want no relationship w	rith him.		
Holy Spirit: The third person of the Holy Trinity, Christians	believe that the Holy Spirit is present and inspires them.			
Incarnation: Literally 'in flesh', or 'enfleshed', the doctrine	e that God took the human form as Jesus.			
Jesus: First century Jewish teacher and holy man, believed	d by Christians to be the Son of God.			
Judgement: When God decides whether each person sho	Judgement: When God decides whether each person should receive eternal life or eternal punishment.			
Just: This refers to the nature of God as one who treats early	Just: This refers to the nature of God as one who treats each individual human being fairly and equally.			
Law: This refers to the law of God, revealed in the Bible, v	• Law: This refers to the law of God, revealed in the Bible, which Christians are called to obey.			
Lord's Prayer: The prayer taught to the disciples by Jesus;	Lord's Prayer: The prayer taught to the disciples by Jesus; also known as the 'Our Father'.			
Omnipotent: The belief that God is 'all powerful'.				
The Oneness of God: The belief that God is 'One'.	• The Oneness of God: The belief that God is 'One'.			

Christianity

- **Original sin**: Christian belief that nature is basically flawed, so humans have a tendency to go against God's will. Believed to be passed down from Adam and Eve by literalist Christians.
- Orthodox: Popular Christian tradition in some parts of Eastern Europe, the two main Orthodox Churches Greek and Russian.
- **Protestant**: The Churches that 'protested' against and broke away from the Catholic Church during the Reformation. Services are generally based more closely on the Bible than those of other denominations.
- Reconciliation:
 - The process of restoring harmony after relationships between people has broken down.
 - A sacrament in the Roman Catholic and some Anglican Churches.
- Resurrection: The event celebrated on Easter Day of Jesus rising from the dead, an event recorded in all four gospels and the central belief of Christianity.
 - The form that many Christians believe the afterlife will take, referring to either physical or spiritual bodies.
- Salvation: Saving the soul and deliverance from sin and admission to heaven brought about by Jesus.
- Sin: Behaviour which is against God's laws and wishes/against principles of morality which people freely choose.
- The Son: The second Person of the Trinity, Jesus, in whom God became incarnate.
- Son of God: A title used for Jesus, the second person in the Trinity; denotes the special relationship between Jesus and God.
- Sources of wisdom and authority: Christians believe that the Bible, religious leaders and statements of belief, e.g. the Apostles' Creed, should be respected as giving deep religious truths.
- Trinity: The belief that there are three Persons in the One God. The Father, Son and Holy Spirit are separate, but are also one being.
- Word: St John's Gospel 1 describes God creating the world through his Word and links this to Jesus in the statement: 'The Word was made flesh and dwelt among us'.

A. DEFINING CRIME AND DEVIANCE Crime Behaviour that breaks the law. This is punishable by law. This is behaviour that doesn't conform Deviance (follow) to the dominant (main) norms or social rules of a specific society. Legal This is behaviour that is seen as 'abnormal' by most people in a society but it doesn't break Deviance the law. This involves criminal behaviour that is Illegal punishable by the state (government). Deviance **B. FUNCTIONALISM & CRIME** When society breaks down and Anomie there is normlessness Social unity, which gives a sense of Social cohesion belonging to society Durkheim's idea that crime reminds Boundary maintenance people not to cross boundaries of society, The pressure society puts on people Strain theory to achieve culturally defined goals e.g. the "American Dream"

(C. STRAIN AND CRIME
Culturally	Goals are determined by the values
defined goals	within culture e.g. economic success.
Response 1:	Individual accepts the goals of
Conformity	success and can achieve it.
Response 2:	Individual accepts the goals of
Innovation	success but they lack opportunities
	to succeed through legal means so
	turn to crime.
D	Individual makes their own "easier"
Response 3:	
Ritualism	goals but they accept legitimate
	means rigidly.
Response 4:	Individual rejects the goals of success
Retreatism	and they reject legitimate means to
	achieve it e.g. "drop-outs"
Response 5:	Individual rejects the conventional
Rebellion	goals of success and the means to
	achieve them, and replace them with
	alternative goals and means
	_

CRIME AND DEVIANCE AQA GCSE SOCIOLOGY (9-1)

D.	MARXISM ON CRIME		
Materialism	Belief in the value of possessions and physical comfort e.g. cars, houses		
Consumerism	The need to buy products.		
Reasons for more working class in prison	Blue collar crimes are easier to see Victims to pity = longer sentences Cost of lawyers		
E CD	E CRIME AND SOCIAL CLASS		

E. CRI	ME AND SOCIAL CLASS	
White collar	A crime requiring a high social	
crime	status to commit e.g.	
	embezzlement	
Corporate crime	Crimes committed by a company	
	e.g. Tesco horsemeat scandal	
Blue collar crime	Physical crimes against an	
	individual by an individual, often	
	by working class.	
Cohen	Sociologist who argued working	
	class boys rejected middle class	
	culture to form delinquent	
	subcultures	
Status	The idea that working class boys	
frustration	try and fail to achieve middle	
	class success and become	
	frustrated with their status.	

F.	F. INTERACTIONISM & CRIME		
Becker	Interactionist who says labelling leads		
	to criminal and deviant behaviour.		
Deviant	The process by which individuals		
Career	come to see themselves as deviant.		
Labelling	The process of attaching a		
	characteristic or definition to a person		
	or group. E.g. thief		
Master	A status which overrides all of an		
Status	individuals other status' e.g. "junkie"		
	not "daughter"		

G. FEMINISM & CRIME		
Control	Heidensonhn's theory that	
theory	women commit less crime	
	because their behaviour is	
	controlled at work, home	
	and in public	
Double	The idea women are treated	
deviancy	more harshly because they	
thesis	break laws, and social	
	norms (unfeminine)	
Chivalry	The CJS treat females more	
thesis	leniently as they feel	
	females need protecting.	
Carlen	Sociologist who carried	
	out unstructured, taped	
	interviews of 39 female	
	offenders.	
Class	The class deal offers	
deals	them material rewards	
	such as consumer goods	
	if they work for a wage.	
Gender	The gender deal offers	
deals	them material and	
	emotional rewards if	
	they live with a husband.	

H. GEN	IDER AND CRIME
Gender	Learning to behave
Socialisation	according to their
	"gender" e.g. socially
	acceptable behaviour
	for boys and girls.
Lack of	No chance to actually
Opportunity	commit a crime.
Bedroom	Girls being supervised
culture	by their parents and
	spend a lot of time
	indoors, reducing
	their opportunity to
	commit crime.
Ladette	Young women having
	more "laddish"
	behaviour.

ii iii zaii ii zaii zaii zaii zaii zaii		
eviancy	Mentioning behaviour	
mplification	draws attention to it,	
	making it seem as if it	
	has been amplified	
	(there is more of it).	
Moral panic	When the media	
	exaggerate an issue or	
	group causing panic	
olk devil	Group identified as	
	threat to society.	

H. ETHNICITY AND CRIME

I. MEDIA AND CRIME

11. E11	H. ETHINICITT AND CRIME		
Institutional racism	The way the organisations works is discriminating against an ethnic group (can be unintentional)		
Canteen Culture	This is when lower ranks of the police force have racist, sexist and homophobic attitudes.		
MacPhers on Report (1999)	Report into investigation on Stephen Lawrence murder finding the Metropolitan Police institutionally racist		

I. AGE AND CRIME	
Delinquency	Offences and anti- social behaviour by young people
Anti-Social Behaviour Order	ASBO - Punishment given to teens, but often seen as status symbol. Cancelled in 2014.

	IS STRATIFICATION?	
Social	The way that society is	
Stratification	divided into layers (strata)	
Ascribed status	Status is given at birth e.g.	
	royal titles	
Achieved status	Status is earned based on	
	hard work	
3 Examples of	1. Caste System in traditional	
Social	India.	
Stratification	2. Feudalism in Medieval	
	Europe	
	3. Social Class in the UK	
Social Mobility	The ability to move up or	
	down the social strata	
Closed System	No social mobility	
Open System	Ability to move social strata	
Davis and	Stratification is necessary to	
Moore (1945	fill most functionally	
	important jobs with talented	
	people	

B. SOCIAL CLASS		
Karl Marx	Identified two main social classes; bourgeoisie and proletariat	
False Class Consciousness	When proletariat are unaware that they're being exploited.	
Lumpen- proletariat	Drop-outs and criminals of society	
Weber's four social classes	 Property Owners Professionals Petty Bourgeoisie Working Class 	
Market Situations (Weber)	The idea that different social classes have different life chances as a result of the labour market	
Status vs class (Weber)	Status (power) and class (wealth) are different as people can have status without being property owners e.g. aristocrats	

Social Stratification AQA GCSE SOCIOLOGY (9-1)

	3. LIFE CHANCES	
Lit	e Chances	People's chance of having
		positive or negative
		outcomes in their life e.g.
		education, employment,
		health, housing
	Glass ceiling	Invisible barrier to
ē		promotion for women
Sender	Sex	1975. Made it illegal to
ဗီ	Discrimination	discriminate based on sex
	Act 2010	and marital status
	Institutional	The idea that an institution
_	racism	or company disadvantages
흕		ethnic minorities
듚	Race Relations	Made it illegal to
m	Act 2010	discriminate based on
		ethnicity
	Ageism	Age discrimination
Age	Equality Act	Protecting against age
Ζ̈́	(2010)	discrimination at work and
		access to services.
	Other	Life chances can also be
		affected by disability,
		sexuality, religion

4. AFFLUENT WORKERS	
Em-bourgeoisie	Affluent working class
Thesis (1950s)	families become middle-
	class in norms and values
Devine (1992)	Criticised Goldthrope's
Revisited	(1969) Luton study.
	Interview 62 people. Found
	working class lifestyles
	hadn't changed much
Inter-	Movement between the
generational	generations of a family when
mobility	a child has a different social
	class to parents.
Intra-	Movement of an individual
generational	between social classes over
mobility	their lifetime e.g. through
	promotion

-		
	5. WEALTH,	INCOME AND POVERTY
ı	Wealth	Ownership of assets e.g.
ı		houses and land.
ı	Income	Flow of resources revived
ı		annually,/monthly.
ı	Absolute	When their income is
1	Poverty	insufficient to obtain the
ı		minimum to survive
1	Relative	When income is well below
ı	poverty	average so they are poor
ı		relative to society
1	Social Exclusion	When people are shut out
ı		from every day activities
ı	Low incomes	Below 60% of the median
┨		after housing costs
ı	Subjective	Based on whether people see
ı	poverty	themselves as in poverty
┨	Environmental	Measuring deprivation in
┨	poverty	terms of conditions such as
ı		adequate housing and air
ı		pollution.
┨	Townsend	Created a deprivation index
ı	(1979)	including 12 items o measure
١		relative deprivation and
L		found 23% of the UK
]		population lived in poverty.
1	6. EXPLANATIONS OF POVERTY	
ı	O. EXPLANATIONS OF POVERTY	

7		population lived in poverty.
1	6. EXPLANATIONS OF POVERTY	
	Cycle of Deprivation	Idea that people are "trapped" in poverty as they develop values which stop them from being free
	Murray (1996) and the New Right	UK's underclass is growing rapidly as a result of welfare reform taking away incentive to work
	Globalisation	Global economic recession between 2008-2010 led to increased unemployment, and rising fuel and food prices.

7. POWER AND AUTHORITY	
Power	Is based on either coercion or
	authority
Authority	When people willingly agree to
	do something because they see
	it as right
Coercion	Threat or use of force to
	ensure people obey
Traditional	Authority based on custom and
authority	tradition e.g. monarchy in
	Britain
Rational-legal	Authority based on people
authority	following set laws or rules, and
	obeying those enforcing them
Charismatic	Obeying a leader who they
authority	believe have extraordinary
	qualities and inspire them
Walby (1990)	6 Patriarchal Structures:
on power	Paid employment, household,
	culture, sexuality, male
	violence against women, the
	state

7. POWER AND THE STATE						
Democracy	People vote for leaders					
	Rational-legal authority					
Dictatorship	Power in hands of dictator					
	Censoring media to benefit					
	them					
Proportional	Seats allocated according to					
Representation	total number of votes for					
	each party					
Pressure Groups	Groups who lobby					
	(influence) governments to					
	make decisions					
Pluralist view on	Idea that no single group					
State Power	dominates decision making,					
	state is neutral					
Conflict view on	Those in powerful positions					
State Power	come from certain groups					
	and make decisions to					
	benefit them					
Trade Union	Organisation looking after					
	the welfare and wellbeing of					
	workers					

Science (Biology) 1 of 3		Page 46		Year 10: September to January		
Cell Biology - studied in Year 9 (Paper 1)		Organisms & disease – studied in Year 9		Reactions in Biology (Paper 1)		
Prokaryotic	A cell with no nucleus	(Paper 1)		Enzyme	A protein which is a biological catalyst	
Eukaryotic	A cell with a nucleus	Tissue	A group of cells working together	Catalyst	Something that speeds up chemical	
		Organ	A group of tissues working together		reactions without being used up	
Ribosome	Part of a cell that makes proteins	Epidermis	Tissue that covers a plant	Reagent	A substance used in chemical analysis	
Mitochondria	The site of aerobic respiration	Glandular	Tissue that produces chemicals			
Nucleus	In a cell, contains genetic information	Xylem	Tissue that carries water & ions	Qualitative	Results that are words, not numbers	
		Phloem	Tissue that carries sugar solution	Exothermic	A reaction that takes in energy e.g.	
Cytoplasm	Where the chemical reactions happen	Epithelium	Tissue that covers animal organs	- I .I .	respiration	
Semi-	Allows small soluble particles to pass	Mesophyll	Tissue that carries out photosynthesis	Endothermic	A reaction that releases energy e.g. photosynthesis	
permeable	through	Atrium	The top chamber(s) in the heart	Chloroplast	Where photosynthesis happens	
Mitosis	Cell division for growth	Ventricle	The bottom chamber(s) in the heart	Chlorophyll	The green pigment that absorbs light	
Duplicate	Creating copies	Artery	A vessel carrying blood away from the heart	Palisade	The tissue that absorbs light and	
Osmosis	The movement of water across a membrane	Vein	A vessel carrying blood back to the heart		carries out most photosynthesis	
Active transport	The movement of particles from low to high concentration using energy	Plasma	This carries CO ₂ and other molecules in the blood	Metabolism	The sum of all chemical reactions in an organism	
Stem cell	An unspecialized cell	Trachea	Takes air into the lungs	Biuret	The reagent used to test for protein	
		Stent	Holds arteries open	lodine	The reagent used to test for starch	
Diffusion	The movement of particles from high to low concentration	Correlation	When 2 data sets follow the same pattern	Benedict's	The reagent used to test for sugar	
Cloning	Creating identical copies	Benign	A type of tumour that does not spread	8.1	(e.g. glucose)	
Therapeutic	Used as a medicine	Malignant	A type of tumour that can invade other	Bile	A chemical produced by the liver that aids digestion by neutralizing stomach acid and emulsifying fats	
Net	Overall		tissues		acid and emulsifying fats	
	Biology		Transpiration The evaporation of water from the stomata		Making fat and water mix by splitting up the fat	
(separate science key wordsshown in RED italics)		Translocation	ranslocation The movement of sugar in a plant		What an alkali does to an acid	

Atomic structure & bonding – studied in Year 9 (Paper 1)		The periodic table – studied in Year 9 (Paper 1)		Chemical Changes (Paper 1)		Quantitative Chemistry (Paper 1)		
Atom	The smallest piece of an element.	Group	Vertical column	Exothermic	Energy is released to the	Formula	A combination of symbols that	
	Has a radius of 0.1nm	Period	Horizontal row	Endoubrous's	surroundings		indicates the chemical composition of a substance.	
Rutherford	The scientist who developed the nuclear model of an atom	Alkali metals	Elements in Group 1	Endothermic	Energy is taken in from the surroundings	Mass	The amount of matter an object	
Element	A substance containing only one type of atom	Halogens	Elements in Group 7	Activation	The minimum amount of energy that colliding particles must have		contains. Mass is measured in kilograms (kg)	
Isotope	Atoms of an element with the same	Noble gases	Elements in Group 0	energy	for them to react.	Conserva-	Nothing lost or gained (e.g.	
	number of protons but different numbers of neutrons.	Acid	Substance that dissolves in water to produce H ⁺ ions	Reactivity	How likely an atom is to lose or gain an electron	tion	atoms)	
Compound	Two or more <u>different</u> atoms bonded together	Base	Substance that can neutralise an acid	Displacement	When a more reactive element replaces a less reactive element in	Mole (HT)	A number of atoms/ions/particles. The mass of one mole of a substance in	
Molecule	Formed when the same or different atoms are bonded	Alkali	Soluble base that contains OH- ions	Ionic equation	a compound A symbol equation showing the		grams is numerically equal to its relative formula mass.	
Proton	Subatomic particle in the nucleus, charge of +1, mass of 1	Neutralisation	Reaction between an acid & a base		changes to <u>ions/atoms</u> in a reaction	Relative formula mass	The relative formula mass (M _r) of a compound is calculated by adding together the relative atomic masses (A _r) of the atoms in a compound.	
Neutron	Subatomic particle in the nucleus, no charge, mass of 1	Acidic	Solution with pH lower than 7	Molten	A term used to describe a liquid substance (eg rock, glass or metal) formed by heating			
Electron	Subatomic particle found in orbits around nucleus, charge of -1, mass	Neutral	Solution with a pH of 7	Solution	Solid dissolved in a liquid	Concentr-	The mass of a substance per	
	of 1/2000	Alkaline	Solution with a pH above 7		·	ation	volume (g/cm³)	
Ion	A charged particle	Filtrate	Solution produced after	Electrolysis	Decomposition of an electrolyte using electricity	Avogadro's constant (HT)	1 mole of any substance contains	
Ionic	Bond formed by transfer of electrons		filtering	Electrolyte	A substance which, when molten		6.0 ×10 ²³ number of particles	
Covalent	Bond formed by sharing electrons	Excess	More than is required	Licetiolyte	or in solution, will conduct an			
Alloy	Mixture containing different metals	Insoluble	Will not dissolve		electric current.	Atom economy	How much of the reactants ends up in the desired product	
Polymer	Large molecule made up of repeating units	Mendeleev	A scientist who developed an earlier version of the periodic table	Anode	In electrolysis, the site of oxidation (usually the positive electrode)	Percentage yield	How much of the theoretical yield you have obtained in a	
Electrostatic attraction	Force between 2 oppositely charged particles	Transition metals	The metals between group 2 & 3. Form ions of	Cathode	In electrolysis, the site of reduction (usually the negative	Titration	reaction An experimental way of	
Inter- molecular	Between molecules e.g. a weak force		different charges & coloured compounds	Half equation	A symbol equation showing the		determining an unknown concentration	
Nanoscience	Structures that are 1–100 nm in size, of the order of a few hundred atoms.	Chemistry (separate science key words shown		(HT) Chemical cell	oxidation and reduction of atoms/ions A cell containing chemicals that	Burette	Apparatus used in titration to measure out variable volumes	
in RED italics) A central training chemicals that react to produce electricity							(drop wise)	

Science (Chemistry) 2 of 3

Page 47

Year 10: September to January

Science (Physics) 3 of 3		Page 48			Year 10: September to January									
Energy transfers & particle model – studied in		Changes in energy stores—studied		Electricity (Paper 1)										
Year 9 (Paper 1)		in Year 9 (Pa		Current	Rate of flow of charge									
Density	How much mass in a given volume Moved out of position.	Chemical store	store bonds e.g. food, fuel,	Potential difference	Energy transferred per unit of charge									
Displaced Conservation	The principle that the total energy of a system stays the same, that	Gravitation	glycogen in muscles The energy stored by an	Resistance	The opposition in an electrical component to the movement of electrical charge through it.									
	energy cannot be created or destroyed (only stored or	al potential store	object lifted up against gravity.	Component	Working parts of a circuit									
	transferred).	Kinetic	Energy which an object	Diode	An electrical device that allows current to flow in one direction only.									
Internal energy	The total kinetic energy and potential energy of the particles in an object.	store nossesses by being in		LED	Light emitting diode – gives out light when a current flows through this component in the right direction									
Kinetic energy	The energy particles have due to their movement. Related to	Elastic potential store	Energy stored in squashed, stretched or twisted materials.	Variable resistor	A resistor where the value of the resistance can be changed.									
Potential energy	temperature. The total energy related to the	Dissipation	The spreading out/transfer	LDR	Light dependent resistor – resistance decreases as light intensity increases									
	position of particles within a substance										1	of energy into less useful forms and to the surroundings	Thermistor	An electrical device whose resistance decreases as its temperature increases.
Conduction	The transfer of energy through a material by kinetic energy passing	Lubricant	surroundings	Series circuit	A circuit with only one branch/pathway									
	from one particle to another by		A lubricant is anything	Parallel circuit	The charge flow divides into two or more paths									
Specific heat	vibration The amount of energy needed to	which reduces the friction between two surfaces.		Alternating current	An electric current that continuously changes its direction.									
capacity	raise the temperature of 1 kg of substance by 1°C.	transferred each second,		Direct current	Movement of charge through a conductor in one direction only									
Specific latent heat	The amount of energy needed to melt or vaporise 1 kg of a substance without changing the	Efficiency	measured in watts (W). A measure of how much	Directly proportional	A relationship where if the quantity of one variable doubles, the other variable doubles									
Insulator	temperature Material that does not allow	,	energy is transferred into a useful store.		A material is earthed if the electrons have a pathway to the ground. Charge always wants to flow to the Earth.									
modiator	charge or energy to pass through it easily.		PHYSICS	Static electricity	Friction transfers electrons between insulators. Creates a field									
Pressure	Caused by the collision of particles with a surface.	(separate science key words shown in RED italics)		Electric field	The area around a charged insulator in which a force would be experienced by another charged object									

Role play

Me gustaría + INF- I would like + inf
Quiero+ INF- I want + inf
empieza(n) a las starts at
termina(n) a lasfinishes at
abre(n) a las opens at
cierra(n) a las closes at
dura(n) una hora/ una semana lasts an hour/week
cuesta(n) euros costs euros
está en is in
¿Me puede(s) ayudar con? Can you help me with?
¿Me puede(s) reservar? Can you reserve?
¿Cuánto dura(n)?- How long does last?
¿Cuánto tiempo pasas en? How long are you in?
¿Qué opinas de? What do you think about
¿Qué planes tienes para? What plans do you have?
¿Cuándo es?- When is the?
¿Cuánto cuesta(n)? How much do cost?

Answer booster	Solid answer	Aiming higher	Aiming for the top
Verb structures in	El año pasado fui a- Last year I	Hice muchas cosas como I did	Decidí ir a- I decided to go to
past	went to	many things like	Siempre he sido muy activo- l've
	Cuando era jóven- When I was	Antes pensaba que- Before I used to	always been very active
	younger	think that	No me interesó la actividad- the
	Cuando teníaaños- When I was	Solía hacer varias actividades- I used	activity didn't interest me
	years old	to do various activities	Acabo de <u>+ inf</u> - I have just + <u>inf</u>
Verb structures in	Voy - I go	No hay nini There isn't	Suelo jugar- I tend to play
present	Hago muchas cosas- I do a lot of	a or a	Lo hago desde dos años- I have done
	things	Lo quiero- I want it	it for 2 years
	Salgo con mis amigos - I go out	Tampoco tieneIt doesn't have	Lo practico un montón- I practise it
	with my friends	either	loads
Verb structures in	El año que viene voy a +inf -	En un mundo ideal +conditional -In	Si pudiera +conditional - If I could
future	Next year I am going to	an ideal world + conditional	+conditional
	Voy a ir a- I am going to go to	En un mundo ideal sería rico - In an	Si tuviera dinero +conditional - If I
	Voy a tener- I am going to have	ideal world I would be rich	had money <u>+conditional</u>
	Visitaré sitios interesantes- I will	Cuando tengaaños - When I am	Aunque sea desalentador, me
	visit interesting places	years old	gustaría hacerlo - Even though it is
	Cuando sea mayor-When I am	He decidido que voy a ir- l've	daunting, I would like to do it
	older	decided that I am going to go	
Idioms	¡Es la leche!- It's awesome	Nos llevamos como el perro y el	Tengo que ponerme las pilas- I have
		gato- We fight like cat and dog	to pull my socks up
	¡Lo pasé bomba!- I had a		
	fantastic time	Es pan comido- It is a piece of cake	No tiene ni pies ni cabeza- It is
			nonsensical

	Past	Present	Future
Opinions in three	Me gustóporque fue	Me gusta porque	¡Va a ser interesante!- It is going to
tenses	likedbecause it was	es I like because it	be interesting!
	En el pasado me	is	Me gustaría porque
	gustabaporque eraIn the	Me apasiona ya que es	sería I would like to
	past I used to like because it	am passionate about as it's	because it would be
	was		
	Siempre me ha gustado+ inf-		
	I've always liked+inf		

Openers / Connectives / Extenders

Mientras	while	Sin embargo	however	Aunque	although	Primero	firstly
No solo	Not only	porque es	because it's	donde	where	Finalmente	lastly
sino	but	ya que	since it's	Además	In addition	luego	then
sin	without	así que	so	Por el otro lado	On the other hand	otra vez	again
Por eso	therefore	si	if	después	after	entonces	Then

Module 4

Mis ratos libres

las actividades de ocio Tengo muchos pasatiempos. A la hora de comer... Cuando tengo tiempo... Suelo...

descansar salir con amigos usar el ordenador me avuda a relajarme me hace reir

La música

asistir a un concierto mi cantante preferido/a es... un espectáculo una gira (mundial)

El deporte

Soy / Era... (bastante / muy) deportista miembro de un club hacía deportes acuáticos equitación / escalada patinaje sobre hielo piragüismo / remo submarinismo tiro con arco ya no (juego)... todavía (hago)... batir un récord

La tele

(No) Soy teleadicto/a. Es / Son... adictivo/a/os/as informativo/a/os/as

Los modelos a seguir

Admiro a... Mi inspiración es... ...es un buen modelo a seguir...

Un buen modelo a seguir es alguien que..

My free time

leisure activities I have lots of hobbies. At lunchtime When I have time... I tend to / I usually ... go out with friends use the computer it helps me to relax it makes me laugh

Music

to attend a concert my favourite singer is... a show a (world) tour

Sport

I am / I used to be... (quite / very) sporty a member of a club I used to do ... water sports horseriding / climbing ice skating canoeing / rowing divina archery (I) no longer (play)... (I) still (do)...

I'm (not) a TV addict. It is / They are... addictive informative

to break a record

Role models

I admire... My inspiration is... is a good role model

A good role model is someone who...

Module 5

En mi ciudad In my town Hay... / Mi ciudad tiene... There is/are... / My town has... un avuntamiento a town hall un puerto a port una iglesia a church una Plaza Mayor a town sauare una pista de hielo an ice rink una oficina de Correos a post office una tienda / muchas tiendas a shop / lots of shops muchos lugares de interés lots of sights no hay nada que hacer there is nothing to do

¿Cómo es tu zona?

está situado/a en un valle it is situated in a valley Se puede... You / One can... hacer un recorrido en autobús do a bus tour disfrutar de las vistas enjoy the views viajar en el AVE travel on the AVE high-speed train

What is your area like?

Se pueden... You / One can... try local dishes probar platos típicos practicar deportes acuáticos do water sports

¿Qué haremos mañana? What will we do tomorrow?

Sacaré muchas fotos. I will take lots of photos. Subiremos al teleférico. We will go up on the cable car. Haremos piraguïsmo. We will go canoeing. será genial / mejor it will be great / better

De compras

Shopping Normalmente voy/ Suelo ir... Usually I go... / I tend to go... a los centros comerciales to shopping centres de tiendas con mis amigos shopping with my friends los precios son más bajos the prices are lower hay más ofertas there are more offers bargains gangas

Los pros y los contras de la ciudad

es tan fácil desplazarse it's so easy to get around hay transporte público there is public transport hay tantas diversiones there are so many things to do el centro es tan ruidoso the centre is so noisy

¿Qué harías? What would you do?

Renovaría... I would renovate... I would improve Meioraría Construiría I would build Invertiría en I would invest in

Module 6

Las comidas Meals el desavuno breakfast la comida / el almuerzo lunch la merienda tea (meal) la cena dinner / evening meal to have breakfast / to have ...for breakfast desavunar comer / almorzar to have lunch / to have ... for lunch merendar to have tea / to have ... for tea to have dinner / to have ... for dinner cenar tomar to have (food / drink) beber to drink entre semana... during the week... algo dulce / ligero / rápido something sweet / light / quick ser goloso/a to have a sweet tooth tener hambre to be hunary tener prisa to be in a hurry ¿Has probado...? Have you tried...? el gazpacho gazpacho (chilled soup) la ensaladilla rusa Russian salad la fabada stew of beans and pork Es un tipo de bebida / postre. It's a type of drink / dessert. Es un plato caliente / frío. It's a hot / cold dish.

It contains / They contain...

It was invented...

Fue inventado/a... Mi rutina diaria

Contiene(n)...

My daily routine me despierto I wake up me levanto I aet up I brush my hair me peino me afeito I have a shave me visto I get dressed me lavo los dientes I clean my teeth me acuesto I ao to bed

¿Qué va a tomar? What are you going to have?

de primer / segundo plato... for starter / main course... de postre... for dessert... Vov a tomar... I'm going to have... ¿Qué me recomienda? What do you recommend? el menú del día the set menu la especialidad de la casa the house speciality está buenísimo/a / riquísimo/a it's extremely good / tasty iQue aproveche! Enjoy your meal! ser alérgico/a... to be allergic to... ser vegetariano/a to be a vegetarian