





HOMEWORK EXPECTATIONS

Homework is an essential part of the learning process. It reinforces what you've learned in class, helps you develop good study habits, and teaches you to work independently. Valuing homework and creating a positive homework culture is essential for academic success. By following a schedule, staying organised, seeking help if needed, and maintaining a positive attitude, you can make homework a productive and rewarding part of your education.

On the next page is a homework schedule which outlines which subjects you will self-quizzing on each night and how much time you should spend on this. We are trialling this schedule for Learning Cycle 1, and will be taking feedback from students to inform Learning Cycle 2. This is a two week timetable for Weeks A and B. You can expect the key knowledge each week to be assessed during your Do Now activities the following week. Advice about self-quizzing can be found after your schedule.

We also recognise the importance of having time to spend with friends and family, and for pursuing your own hobbies and interests, which is why we have deliberately kept Fridays lighter.



- We expect you to spend 1 hour on English, Maths and Science and 30 minutes on your Options subjects.
- In addition, your teacher may set you further tasks to complete at home as you prepare for GCSE, but not exceeding the time allocated for each subject.
- For Sparx Maths, this will always be set on a Tuesday and you should spend an hour on this homework. You will need to login to Sparx Maths to access this.



MOMEWORK SCHEDULE

Between 30 and 90 minutes per night = 5 hours per week

Week A	60 minutes	30 minutes
Monday	English	Option W
Tuesday	Sparx Maths	Option X
Wednesday		Option Y
Thursday	Science	Option Z
Friday		



Week B	60 minutes	30 minutes
Monday	English	Option W
Tuesday	Sparx Maths	Option X
Wednesday		Option Y
Thursday	Science	Option Z
Friday		



MEM RiSE



Your memory is split into two parts:



the long-term memory

Everybody's working-memory is limited, and can therefore become easily overwhelmed. Your long-term memory, on the other hand, is effectively limitless.

You can support your working memory by storing key facts and processes in long-term memory. These facts and processes can then be **retrieved**, to stop your working memory becoming overloaded. Knowledge Organisers (KOs) are a key way to help you learn. Each KO has the key information that needs to be memorised to help you master your subject and be successful in lessons.

There is strong scientific evidence from cognitive psychology that shows the benefits of **self-quizzing** in promoting **retrieval strength**. This is your ability to recall facts related to your subject or topic.

SELF-QUIZ

There are lots of different ways to **learn** the material in your knowledge organiser. Use the QR codes to find out more.

- 1. Make **flashcards** based on the knowledge organiser and ask someone to quiz you.
- 2. Create a **revision clock**. Draw a clock and add the topic in the middle. Break the clock face into 10-minute sections. Add notes from the knowledge organiser in each section. Cover the clock face and recite the information aloud.
- 3. Look Cover Write Check. Cover up one section of the knowledge organiser and try to write out as much information as you can from memory.
- 4. Draw a **mind map**, jotting down everything that you can remember from the knowledge organiser.
- 5. Make up **mnemonics** to help you remember key facts, then write these out from memory.



ASHCARD









08:50am Tutor Time

09:25am Lesson 1

10.40am Break 1

- 11:10am Lesson 2
- 12:25pm Lesson 3

1.40pm Break 2



- 2.10pm Lesson 4
- 3.25pm End of School Day









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					A Mon
					A Tue
					A Wed
					A Thu
					A Fri

4	3	2	1	T	
					B Mon
					B Tue
					B Wed
					B Thu
					B Fri

THE PERIODIC TABLE OF THE ELEMENTS











Sexual

Orientation





Democracy

- I can influence the decisions that affect me in the school
- I can work effectively with others in the school

Liberty

- I am free to think as I see fit
- I have the freedom to make choices that affect me but I recognise I am accountable for all my actions



- I recognise that everyone is entitled to their opinion as long as it does not promote extremism
- I understand that everyone is entitled to a voice within the classroom and I will listen to others

Law

• I understand that the school rules are used to mirror society laws and must be respected



• I recognise that there will be consequences for my actions

Responsibility

- I recognise that I am as equally responsible for my learning as the teacher
- I take responsibility for my actions good or bad
- We all have a responsibility to promote and protect the wellbeing of others
 - **Tolerance**
- I recognise that it is **unacceptable** to dismiss the **beliefs** and opinions of anyone
- I understand that discussions about sensitive issues will be controlled and structured





Respect









Disability

Sex

Pregnancy and Maternity



Race

Religion or belief

Gender Reassignment Civil Partnership



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Age

Marriage and

STAYING SAFE AT SCHOOL

At Bodmin College we want to ensure that all of our students feel happy, safe and supported at all times. Everyone has a duty of care to safeguard your physical and mental health when at school.

During tutor and PSHE lessons you will be taught how to stay safe both in school, outside of school and online. There is always someone from the 'Safeguarding Team' to talk to during school hours, should you need to. However, you can talk to any member of staff that you feel comfortable talking to.



Bullying is not ok and we need to work together to stop it from happening.'Full Stop' is our online bullying report form, that allows you to report any occurrences of bullying, either in school, out of school, or online. You can complete the form through the QR code. A member of the pastoral team will then investigate the incident and behaviour sanctions will be issued if bullying has happened.



LANYARDS

All staff, visitors and sixth form students where lanyards whilst on the college campus.

The purpose of lanyards are to keep our college campuses safe places to work and learn in. It is essential that all post-16 students, staff and visitors when on the college premises are easily identified and that we are aware of who everyone is on our campuses during all periods of the day. This is an important employability skill that you need to understand, as many sectors always require visible ID as a safeguarding requirement and a way of registering attendance.



Staying safe online is really important, especially now that we have smartphones and devices connected to the internet all of the time.

In school we use a system called **Smoothwall** so monitor the use of computers and devices connected to the internet. This helps us to keep you and our school community safe.

There are lots of tops to help you keep safe online. Checkout out the SMART Rules here.











Week 1	Week 2	Week 3
 Hazard: something that is a potential source of harm, for example a knife or a dog. Risk: something that may happen because of the hazard, for example being cut or getting bitten. Risk Assessment: a document you complete before doing any practical work to identify possible risks and work out how to reduce the chance of being injured. 	PPE – Personal Protective Equipment – examples are overalls and boots. C.O.S.H.H - Control of Substances Hazardous to Health Regulations – this law makes sure we use chemicals correctly to keep us safe. R.I.D.D.O.R - Reporting of Incidents, Diseases and Dangerous Occurrences Regulations. This law makes sure accidents are looked into so they can be prevented. Image: State of the sta	 Fixtures – items in an animal home that are fixed – for example heat lamps, water pumps and hay racks. Fittings – items in an animal home that enrich it for the animal – for example tunnels, toys, hamster wheel. Enrichment – items put into the animal enclosure to encourage animals to be active physically and mentally. This keeps the animal busy and active and encourages natural behaviour.



Week4	Week5	Week6
Compost heap – place where dirty bedding from animal housing is stored.	Spot clean – remove the dirty bedding, waste food and faeces, leaving the clean bedding in the hutch.	The 5 Animal Welfare Needs
 Double-bagging – when animal waste is put in one bin bag and then placed in a second bin bag. Substrate – what the animal lies on in the accommodation, also called bedding. 	Full clean – removing all the old bedding, waste food and faeces so the hutch is completely empty. Recognise tools – shovel, prong, muck bucket, yard scraper, yard broom,	 Provide a suitable environment. Feed a suitable diet. Allow the animal to be able to exhibit normal behaviour.
	wheelbarrow.	 Allow any need it has to be housed with, or apart from, other animals. Be protected from pain, suffering, injury and disease.



Week 7	Week 8	Week 9
Biosecurity – ensuring tools, equipment and PPE and clean to prevent the spread of disease, for example boot dips.	Neonatal – newborn animal up to 28 days old.	Venomous – animals that bite or sting to deliver toxins for example snakes, scorpions.
	Young – animal that is young and not yet fully grown.	Poisonous – animals that deliver toxins when they are touched – for example fire bellied toads
	Senior – an old animal.	Aggressive – an animal that is likely to bite, scratch or kite when handled.
	Geriatric – a very old animal.	



Week 10	Week 11	Week 12
Catch pole – a solid handle with a loop at the end to catch stary dogs.	TWO PRACTICAL LESSONS – TO BE INSERTED THROUGHOUT THE TERM AS APPROPRIATE.	TWO PRACTICAL LESSONS – TO BE INSERTED THROUGHOUT THE TERM AS APPROPRIATE.
Crush cage – a cage to hold large animals in place.		



Week 1

Key Words

Visual Narrative: A story conveyed through visual media, such as images, illustrations, or film, rather than text.

Vanitas: A genre of art, particularly instill life paintings, that symbolise the nature of mortality. Symbolism: Is visual language by using objects to represent a deeper meaning. Interpretation: The

act of explaining or

s aning of something

CARL

understanding the meaning of something. **Expression:** The process of visually conveying thoughts, feelings, or ideas through art.

Week 2:

<u>Key Words</u> To see: To perceive with the eyes. To observe. To think: use one's mind to form connected ideas.



Week 3

Key Words

Grid drawing: is a technique used to accurately replicate an image by breaking it down into smaller sections.

Observation: The act of carefully examining something to gather information, understand it better or draw it.

Texture: the surface quality of a piece of

work. Mark-making: The process of creating lines, dots, marks, on

a surface in a drawing.



Week 4

Key Words

Form: The three-dimensional object, defined by height, width, and depth when drawn. Shape: A two-dimensional, enclosed area defined by lines.

Gradient Shading: A technique used to create a smooth transition from dark to light tones.

Value Scale:

A range of shades from light to dark in a drawing, to create depth and contrast.



or edge that defines the shape of an object.

Week 5

Key Words

Definition: The clarity and distinctness with which details and edges are rendered in an image or drawing. **Skeletal:** Resembling a skeleton.

Graphite: A mineral form of carbon. Pen & wash: An

artistic

technique combining ink pens to create detailed line work and watercolour washes to add tonal and color variations.

Media/Medium:

Refers to the physical material used to create a work of art.

Week 6

Key Words <u>https://www.pinterest.co.uk/brokensharkcage/</u>

my-sketchbooks/

Detail: The small, intricate elements or features that contribute to the overall composition and realism of an artwork. Realism: An artistic style that aims to depict subjects accurately and truthfully, emphasizing lifelike

and truthfully, emphasizing lifelike representation.

Proportion: The relationship in size and

placement between different parts of an artwork, ensuring they are accurately scaled when compared to each other. **Anatomical Accuracy:** The correct depiction of the human or animal body, reflecting its structure and proportions.













Week 1 Week 2 Week3 Market Research: **Market Research** Gathering information and data about Samplina Methods. customers' needs and preferences. Data Types How to select your research sample to maximize the validity of your data. Aims of research and types of Research: Qualitative Quantitative Aims – What the business owners are hoping to achieve with their research. Answer "Why?" question Purpose **Target Population** "How many/much?" guestion Types of research: Observation, Symbol. Number/Statistical result Data type Word etc Observe and interpret Measure and test Approach **Two Types of Market Research** Grouping of common data Analysis Statistical analysis /non-statistical analysis Sample Primary Secondary Involves applying results of previously completed studies to your situation Provides results specifically about your company **Cluster sampling –** Selecting ٠ vour sample based on the Quantitative Data - Data generated by closed ocus aroup Surveys personal characteristics of your questions. It can be expressed in numerical form Interviews VFree or low cost sults are not specific to your busines respondents and displayed graphically using graphs and **Convenience sampling –** Selecting • charts. your sample based on how easy it Qualitative Data - Data generated by open questions which seeks to discover people's is to access your respondents **Primary Research –** research which opinions and feelings on a subject. These are Random sampling – Selecting ٠ ٠ generates new data. often the 'why' questions. anyone for you sample **Secondary Research –** research which • Quota sampling – Sampling a set ٠ utilises existing data. number of respondents



Week4	Week5	Week6
Primary and Secondary Research Tools Selecting the right research tool for the job.	Accuracy of Secondary Research	Review and Analyse Results
Surveys	Reliability – To What extent can your research sources be trusted? Accuracy – How closely do the research	Presenting research findings in the most accessible to help formulate conclusions from the data.
Focus Groups	results reflect reality?	Enquiry Task – Students select the most appropriate methods to display their research results and then draw research conclusions from these results
Experimentation Existing Data	Evaluating Sources for Credibility	Types of Graph
Observations	Consider the author's 1 5 (5) Check for supporting	
 Questionnaires Surveys 	Check the date of publication 2 2 4 Check for bias or objective	
 Focus groups Consumer trials Test marketing/pilots 	Assess the publisher or 3	Ple Chart Line Graph Bar Chart



Week 7	Week 8	Week 9
Segmentation and Customer Profile	Design mix and function, aesthetics and	USP and added value, and break-even
Market Segmentation – grouping customers together based on personal characteristics for marketing purposes. THE 4 TYPES OF	Successful products start with a good design that meets the needs and wants of customers. When designing a product, a business will usually consider three factors:	USP – Unique Selling Point – What sets your product apart from all similar products on the market? This could be based on price, quality, branding or customer service.
MARKET SEGMENTATION	Function – what the product should do and	Added Value – Is the difference between the cost of making a product or service and the
Visition Cecographic Cip code/post code City Country Special context Country Country Special context Country Goals Papeulation density Country Goals Papeulation density Country Goals Papeulation Goals Papeulation Sace Papeulation Second control Second control	how well it does it, eg a washing machine should wash clothes Aesthetics – how the product appeals to consumers, eg how the product looks, feels or smells Cost – how cost-effective the product will be to manufacture, eg the product should be made and sold profitably	price that ot is sold for. Break-even point – The number of units that a business must sell before they cover their costs. This occurs when Total Revenue and Total Costs are equal.
	Something here would concentrate firsty on looking good. How well it performed or how expensive it was would come after Something here would do its job as good as possible, regardless of how expensive it was FUNCTION	Break-Even Analysis Openation of the set of

BUSINESS STUDIES

Week 10

Design Mix and Creative Techniques

Using market research information and creative techniques to create two product designs.

Creative Techniques

- Rough Sketches
- Mood Boards
- Mind maps
- Brain Shifters

Week 11

Product Design and Review

Create two final product designs which have been informed by research data, the design mix and creative techniques.

Self-assessment – the process of identifying strengths and weaknesses of a design and how it can be improved.



Week 12 Assessment week





Subatomic Particle	Mass	Charge
Proton	1	+1
Neutron	1	0
Electron	Negligible	-1



Year 10 Science Knowledge Organiser Learning Cycle 1



We must

alwavs draw a

graph with a

pencil and a

ruler!

00

Axis – both X (bottom)

and Y (side) axis have

titles and units!

Title

Refer to the original hypothesis – does the data support this?

points with

small. neat

Axis: Independent

variable in the X-

axis with unit

6 8 10

Time (min) 🗲

When evaluating think of the positives and negatives of the method (the validity - did they use enough controls? And of the results – were results reliable, accurate, reproducible?) and come to an

of product, compared to 160g at 20 minutes'

COMBINED SCIENCE

Week 1	Week 2
Homeostasis Reflex – automatic and rapid response to a stimulus, which minimises any damage to the body Reflex Arc – Nerve pathway involved in a reflex action Synapse – Gap between neurons Neurones – cells that carry information as electrical impulses in the nervous system Central nervous system (CNS) – consists of the brain and spinal cord. Homeostasis – maintains a stable internal environment, by regulating of the conditions inside your body and cells Hormone – Chemical messenger produced in endocrine glands Endocrine system – made up of glands that secrete hormones into the blood stream and carries them to the target organs. Target organ - The organ with receptor molecules on its cell surfaces which recognise a specific hormone.	Homeostasis Glycogen – Animals store glucose as glycogen in their liver and muscle tissues. Insulin – A hormone that regulates the level of sugar in the blood Diabetes - A serious disease in which the body is unable to regulate blood sugar. Glucagon – A hormone that causes the conversion of glycogen to glucose FSH – Hormone which causes an egg to mature in the ovary IH – Hormone which stimulates the release of an egg from the ovary Oestrogen – promotes the repair and thickening of the womb lining Progesterone – maintains the womb lining after ovulation Contraception – methods of reducing the likelihood of sperm reaching an ovulated egg IVF - brings sperm and the egg together to create an embryo, which is placed into the woman's womb to increase the chance of giving birth.
Week 3	Week 4
Structure and bonding Particle Model • Solids are regularly arranged with particles close together that vibrate on a fixed spot. • Liquids are randomly arranged with particles close together that move around each other. • Gases are randomly arranged with particles far apart that move quickly in all directions. Changes of State • (s) - solid (l) - liquid (g) - gas (aq) - aqueous • The amount of energy needed to change state is linked to the strength of the force of attraction between the particles; stronger force = higher melting/boiling point. lons: • Metals lose electrons to form positive ions. • Non-metals gain electrons to form negative ions.	Structure and bonding Ionic compounds • Have a giant ionic lattice structure. • Have high melting points and high boiling points. • Conduct electricity when molten or dissolved in a solution. Metallic Compounds • Have high melting points and high boiling points (except mercury) • Are good thermal conductors and electrical conductors. • Are relatively soft and malleable. Simple Molecular Substances • Have low melting points and low boiling points and don't conduct electricity Ionic Bond: electrostatic force of attraction between oppositely charged ions. Metallic Bond: electrostatic force of attraction between the regular lattice of metal cations and the delocalised electrons. <u>Covalent Bond:</u> a shared pair of electrons between two non-metal ions.

COMBINED SCIENCE

Week 5	Week 6
Structure and bonding Giant Covalent Structures • Have high melting points and high boiling points. • Do not conduct electricity (except graphite). • Diamond, graphite and graphene are examples of giant covalent structures. Polymers • Are very long chains of repeating units. • Are typically solid at room temperature. Acids and Alkalis • Acids produce hydrogen ions (H+) in aqueous solutions. • Alkalis produce hydroxide ions (OH-) in aqueous solutions. • Strong acids fully ionise in aqueous solutions. • Weak acids partially ionise in aqueous solutions. Allotrope: different structural form of an element. Intermolecular force: a relatively weak force that holds molecules together.	Chemical changes Reactivity of Metals • The reactivity of a metal is determined by how easily it forms a positive ion, • Heating with carbon is used to extract metals less reactive than carbon from their ores. • Electrolysis is used to extract metals that are more reactive than carbon from their ores. Electrolysis • Positive ions (cations) are attracted to the negative electrode (cathode) where they are reduced. • Negative ions (anions) are attracted to the positive electrode (anode) where they are oxidised. • The extraction of aluminium from its ore requires the ore to be mixed with cryolite to lower the melting point of the ore. Electrolyte: a liquid or solution that conducts electricity
Week 7	Week 8
 Electricity Batteries and power supplies provide energy to a circuit. Electrons flow and transfer energy to components in a circuit. Electric current is the rate of flow of the charge (electrons) around a circuit. Current is measured in amperes (A) using an ammeter. Current is the same at all points in a series circuit. The unit of charge is the coulomb. The sum of the currents in the branches of a parallel circuit is equal to the current supplied to the circuit. The supplied to the current supplied to the circuit. Electric to the circuit. The supplied to the circuit. The supplicit to the circui	 Electricity Potential Difference (Voltage) is the difference in energy per unit charge across 2 points in a circuit. It is measured in volts (V) using a voltmeter. In a series circuit the potential difference across the power supply equals the total potential differences across the components. In a parallel circuit the potential difference across the power supply is equal to the potential difference across each branch. Circuit components make the flow of current more difficult. This is known as resistance, measured in Ohms (Ω). The resistance of a wire increases with increasing length but decreases with increasing diameter. Filament lamps are designed to have very high resistance. Thermal energy is stored in the filament, making it hot enough to glow.

COMBINED SCIENCE

Week 9	Week 10
 Electricity Types of resistor: In an Ohmic conductor, current is directly proportional to potential difference at a constant temperature. In a filament lamp, resistance increases as temperature increases. This reduces the current at high potential differences. A diode is a component that only allows current to flow in one direction. The resistance of an LDR (Light Dependent Resistor) decreases as light intensity increases. The resistance of a thermistor decreases as temperature increases. The National grid transfers energy from a power station; through a step up transformer (greatly increasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference), to homes. Domestic energy in the UK is provided as Alternating Current (AC), at a frequency of 50 Hz and a potential difference of 230v. 	 Waves and the Electromagnetic spectrum Waves transfer energy and information, but not matter. Transverse waves oscillate at right angles to the direction of travel. Longitudinal waves oscillate in the same direction as the direction of travel. The amplitude of a wave is its maximum displacement from its rest position. Wavelength (λ) is the distance between the same point on two adjacent waves. Frequency is the number of complete waves passing a fixed point per second. The unit of frequency is the Hertz (Hz), where 1 wave per second = 1Hz. The period of a wave is the time taken for one complete wave to pass a fixed point. At the boundary between two materials, a wave might be absorbed, reflected or transmitted. Refraction is a change in the direction of travel of an electromagnetic wave at a boundary as the wave speed changes in different media. Electromagnetic waves travel faster in less dense media.
Week 11	Week 12
 Waves and the Electromagnetic spectrum Electromagnetic waves form a continuous spectrum, with their wavelength decreasing as their frequency increases, radio waves having the longest wavelength and gamma rays the shortest. Radiowaves are produced by oscillations in electrical circuits and are used for communication and broadcasting. They can also induce oscillations in circuits. Gamma rays are produced by changes in atomic nuclei. Other electromagnetic waves are produced by changes in the energies of electrons. Microwaves are used for communication and for cooking food. Infrared radiation is used for heating, cooking food and thermal imaging. Visible light is used in fibre optic communication. Ultraviolet radiation is used to detect security inks and in tanning lamps. X rays and gamma rays are both used in medical imaging and in radiotherapy treatment. 	Consolidation Summative Assessment DIRT

CONSTRUCTION

Week 1	Week 2	Week 3
Measuring, marking and setting-out tools used for carpentry and joinery: - Folding rule - Try square - Combination square - Sliding bevel - Mitre square - Marking knife - Marking gauge - Mortise gauge - Straight edge - Setting-out rods	 Risk assessments. Hazard identification: General workplace hazards Task-specific hazards Workshop-specific hazards Hazards associated with materials Hazards associated with tools and equipment Hazards associated with worker behaviour 	Tools used in carpentry and joinery:- Mallet- Chisels- Tenon Saw- Nail punch- Nail pincers- Screwdrivers- Bradawl- Drill- Smoothing plane- Block plane- Bench hook Woodworking bench with vice
Week 4	Week 5	Week 6
Mitre joint. The simplest joint that requires any form of cutting is a mitre joint - in effect this is an angled butt joint, usually relying on glue alone to construct it. It requires accurate 45° cutting, however, if the perfect 90° corner is to	 Risk rating matrix: Severity of risk Likelihood of risk Risk score: – initial risk score Final risk score. People at risk: Personal risk risk to colleagues risks to visitors risks to the general public and wider population 	Half-lap joint. This requires the removal of timber to exactly half of the overall thickness of the piece, in order that a similar piece can fit to it. The main uses for this joint are to allow two pieces of timber to meet - usually at a right angle.



Week 7	Week 8	Week 9
Bridle joint. This uses an open mortise with a through open tenon. There is plenty of glue surface area and the joint will be strong, but screws or dowels as reinforcement will help the joint to resist side forces. Another useful joint in frame construction. The visible end grain can be also be utilised as a decorative feature.	Control measures: - Eliminating the risk - Minimising the risk - Generic control measures - Task-specific control measures - Existing control measures - Use of trained personnel	Mortice and tenon joint. The mortice and tenon joint is a very strong and frequently-used joint for assembling a variety of projects where strength and reliability are required. Mortice and tenon joints have several advantages, shoulders to resist side forces acting on the finished project, neatness and virtual invisibility if required.
Week 10	Week 11	Week 12
Control measures: - Eliminating the risk - Minimising the risk - Generic control measures - Task-specific control measures - Existing control measures - Use of trained personnel - Personal Protective Equipment - General workplace PPE - Task-specific PPE - Signage - Barriers.	Dovetail halving joint. The dovetail will prevent the joint separating laterally through side forces.	 Recording and review: Requirements for recording risk assessments Requirements for periodic review This is used to analyse the environment to identify hazards and risks in order to produce an initial risk rating. To produce a revised risk rating that shows controls have brought the risk rating down to an acceptable level.



Week 1	Week 2	Week 3
 Technical Skills - These include accuracy of action, timing, dynamic, rhythmic and spatial content and the reproduction of the movement in a stylistically accurate way. Expressive Skills - Aspects that contribute to performance artistry and engage the audience. Mental Skills (Performance) - Commitment, concentration, confidence and movement memory. Physical Skills – Aspects enabling effective performance such as posture, strength and stamina. Introduction to 'Emancipation of Expressionism' (EofE) by Kenrick H20 Sandy and Boy Blue Entertainment: Styles – hip hop, popping, locking, breaking, waacking, krumping and animation Stimulus – Music 'Til Enda' and the Freedom to Express Yourself. 	 Choreographic Intentions of EofE: Hip hop as an art form The journey through life Chaos v. Order Choreographic Approaches of EofE: Signature movements (Ninja Walk, Ninja Static, Ninja Glide and Chariots of Fire) Musicality – The ability to make the unique qualities of the accompaniment evident in performance. Formations – Shapes or patterns created in space by dancers. Motifs 'Mic Check' and 'B-Points': Isolation – An independent movement of part of the body. Unison – Two or more dancers performing the same movement at the same time. Timing – The use of time or counts when matching movements to sound and/or other dancers. Rhythm – Repeated patterns of sound or movement. 	Embedding the choreographic approaches within our Dance Platform EofE class dance. Motif and Development – Ways in which a movement phrase can be varied. Counterpoint – When dancers perform different phrases simultaneously. Signature movements Formations Structuring Devices and Form. Episodic – A choreography with several sections, linked by a theme. Logical Sequencing – The flow of phrases or sections of a dance. Transitions – Links between dance phrases or sections. Unity – A sense of 'wholeness' or harmony. Aural Setting: Mood and atmosphere Contrast and variety Relationship to theme/idea Musicality



Week 4	Week 5	Week 6
Features of production: Costume – Clothing worn by dancers in performance. Set/Staging – The presentation of dance in the performing space including set, furniture, props, projection and backdrop. Lighting – The illumination of the performance area. Dancers – number and gender Aural Setting – An audible accompaniment to the dance such as music, words, song and natural sound (or silence). Performance Environment:	 Dedicated Improvement and Reflection Time (DIRT) Movement Memory – The automatic recall of learned movement material, without conscious thought. Rehearsal discipline - Attributes and skills required for refining performance such as commitment, systematic repetition, teamwork, responsibility and effective use of time. Mental Rehearsal – Thinking through or visualising the dance. Systematic Repetition – Repeating something in an arranged or ordered way. 	 Formative Assessment EofE Class Dance - Component 1 Performance: Technical Skills Expressive Skills Mental Skills Physical Skills Technical skills in EofE: Action content - What a dancer does e.g. travelling, turning, elevation, gesture, stillness, use of body parts, floor-work and the transference of weight. Spatial content - The 'where' of movement such as levels, directions, pathways, shapes, designs and patterns. Dynamic content - The qualities of movement based upon variations in speed, strength and flow. Relationship content - The ways in which dancers interact, the connections between dancers
 Proscenium - the arch or opening that creates the effect of a picture frame and separates the stage from the auditorium. Methods enabling us to work effectively as a group: Use of mirrors Peer Feedback Film and Watch Back Peripheral Vision 	Planning of rehearsal Response to feedback Capacity to improve	Choreographic Intentions: • Mood • Meaning • Theme • Idea • Style/Style Fusion



Week 7	Week 8	Week 9
 Choreographic Intentions of 'Infra' of Wayne McGregor for The Royal Ballet: Seeing below the surface Pedestrian Language Relationships Complex structure Open Visual Field (allowing the audience to make their own interpretations) Choreographic Approaches of 'Infra': Show a phrase to the cast Make a phrase on target dancer/s Task – set a choreographic boroblem to solve Structure – The way in which material is organised to create the whole. Ballet Technique: Barre work Centre Practice (pirouette and adage) Allegro 	 Contemporary Technique: Use of the torso (curve, twist, high release and contraction) Parallel and Tum Out Flex and Point Floor Work Swing Dance Style: Contemporary Ballet - Style Fusion (The combination of features of two or more styles). Stimulus: IS Elliot 'The Wasteland' Infra (Latin for below) Life beneath the surface of the city (London). Human Interactions 	Developing Physical Skills in the Contemporary Ballet Style: Alignment – Correct placement of body parts in relation to each other. Balance – A steady or held position achieved by an even distribution of weight. Control – The ability to start and stop movement, change direction and hold a shape efficiently. Co-ordination – The efficient combination of body parts. Extension – Lengthening one or more muscles or limbs. Flexibility – The range of movement in the joints (involving muscles, tendons and ligaments). Isolation – An independent movement of part of the body. Mobility – The range of movement in a joint, the ability to move fluently from action to action. Posture – The way the body is held. Stamina – Ability to maintain physical and mental energy over periods of time. Strength – Muscular power.



Week 10	Week 11	Week 12
Technical skills in 'Infra' (Sections 1-4): Action content – travel, turn, elevation, gesture, stillness, use of different body parts, floor work and transfer of weight. Spatial content – pathways, levels, direction, size of movement, patterns and spatial design. Dynamic content – fast/slow, sudden/sustained, acceleration/ deceleration, strong/light, direct/indirect and flowing/abrupt. Relationship content – lead and follow, mirroring, action and reaction, accumulation, complement, contrast, counterpoint, contact and formations. Choreographic Intentions: • Mood • Idea • Style/Style Fusion	Duet Work in 'Infra': Contact Lead and Follow Contrast – Movements or shapes that have nothing in common. Complementary – Perform actions or shapes that are similar to but not exactly the same as another dancer/s. • Inferences of different types of relationship • Manipulation • Push and Pull	Features of production in 'Infra': Costume – Fitted shorts, vests, t-shirts in flesh, black, white and grey colours. Set/Staging – An 18m LED screen with a mesmerizing flow of electronic walking figures. Lighting – The lighting, which relates closely to the structure, lights the width of the stage and often focuses downstage. Dancers – 12 (6 male and 6 female) Aural Setting – The score mixes melancholy string melodies with electronic sounds and found sound, such as train- whistles. Performance Environment: Proscenium Arch/Theatrical Setting Technical skills in 'Infra' (Sections 5-9): Action content Spatial content Dynamic content Relationship content

DIGITAL INFORMATION TECHNOLOGY

Week 1	Week 2	Week 3
User Interfaces	Factors and influences	Audience needs
A user interface is the hardware and software that a user interacts with to use or control a computer or electronic device: • Software features include virtual keyboards and virtual buttons that can be clicked, such as to close a window.	Understand the factors affecting the choice of user interface including Performance / response time, ease of use User requirements, user experience Accessibility and storage space	 Be able to investigate the needs of audiences and how they affect the design of interfaces including Accessibility needs – visual, hearing, speech, motor, cognitive Skill level – expert, regular, occasional, novice
Many human features are used for computer interaction, including: • Movement – fingers on a keyboard/mouse/touch screen; moving to cause infra-red sensors to turn on a security	 Operating systems and platforms, types/size of screen, types of user input Hardware resources available such as processor and memory Emerging technologies 	VISUAL HEARING SPEECH MOTOR COGNITIVE NEEDS NEEDS NEEDS NEEDS
 alarm Voice – a microphone and software can interpret commands. 	User interfaces need to have good performance for users to be able to use them productively and also to enjoy the experience.	 Demographics – age, beliefs/values, culture, past experiences
 Types of user interface include: Speech/natural language GUI/WIMP – Graphical user interface / Windows, icons, menus, pointer Sensors Menu/forms Text based 	How easy an interface is to use will depend on who is using it. In general, for most users, the interface needs to be intuitive It should be obvious how to use it without needing help or training. Specialist applications for jobs such as databases or customer support should still be as easy to use as possible – however, they may require training.	Design Principles Understand design principles for effective user interaction including: Colour Font style Language Companies and organisations will have a set of colours
		which they expect to be used. This is known as a colour palette, there will be a limited set of colours to choose from. Decorative fonts make titles or occasional text more interesting and suggest a style or mood. It is important to consider appropriate language for:


Week 4	Week 5	Week 6
Design Principles	Efficient user interfaces	Component A revision and assessment
Understand design principles for effective user interaction including: Amount of information Layout	Understand the techniques that can improve the speed and access to user interfaces including: Keyboard shortcuts Informative feedback Fasy reversal of actions	Revision of material covered over the last five weeks followed by an assessment that will be put on Onenote.com Revise the 6 topics that have been covered so far this term. These are:
The amount of information given in an interface should be appropriate for the task. White space is any area around objects that has no text or graphics. Appropriate use of white space makes an interface clearer and easier to use.	Advantages of shortcuts: They are very quick for users to carry out, they save users needing to move their hand to the mouse and go through menus and they can be useful for users with certain disabilities. Disadvantages of shortcuts:	Factors and influences Audience needs Design principles Design psychology Efficient user interfaces
The layout of user interfaces should be close to user expectations, web pages for example normally have menus at the top or left of the web page. Logos are normally placed at the top left of a web page or interface design. Related tasks should be grouped together and important items should be placed in prominent	The shortcut needs to be learnt. If the correct shortcut is used, it may not be obvious to the user how to undo what they have done. Informative feedback, It is important that users are given useful feedback when they make use of interfaces. If problems are noticed, the user should have helpful comments to help rectify issues Reversal of actions is important, users need to be able to reverse or undo actions that they have carried out this helps to save users time.	Project planning techniques Understand what project planning tools are used to plan a user interface. Tasks lists Written or graphical descriptions Gantt charts Mood boards
positions – in particular the top of the page. Design Psychology	Efficient user interfaces	Task lists are lists of information that need to be completed, a numbered task list is a sequence that needs to be completed in a certain order. Written and graphical
There are a variety of design principles, these include: User perception of colour, sound, symbols and visuals. Retaining user attention by grabbing attention, uncluttered screens, labelling items, default user inputs, autofill and tip text. Intuitive design by using graphics in buttons, pop- up messages, help features, consistency and reversal of actions.	 It is important that links are easy to find on a website, For design reasons, hyperlinks may not be underlined or in blue, but they will be easy to distinguish from other text. Where objects are placed on a screen or webpage will help users to be more efficient, Icons are often put together into groups. 	descriptions help with the project planning process and can aid the sequence that would be followed. Gantt chart tasks are given as a list. Each task then has a horizontal bar which shows how long it takes to complete. The information contains the duration of each task, the date of the end of the project and the order that tasks occur in. Dependencies are indicated between each phase that has to be completed before moving to the next stage. A mood board gives a feeling for the style that a product needs to take. It includes: Colour schemes, font styles, background, borders, Images and Textures.



Week 7

Project planning techniques

A mind map gives an overview of a whole project A central idea or project name is at the centre, branches lead to key parts of the project, further branches lead to other ideas

Waterfall, Iterative, agile and scrum methodologies

The waterfall methodoloay allows for each stage of the beain. Stages are Analysis, Design, Implementation, Testina and evaluation.

Iterative development allows a simple version of a product to be developed It is then repeatedly improved on each iteration.

Aaile is a way of developing software that uses the iterative development.

Scrum are stand up meetings, meetings are less than 10 minutes and each person aives a progress report.

Creating a project proposal and plan

Purpose and audience.

It is important in project planning to clearly identify the people who will use the system (audience) and identify the reasons for the project (purpose).

User requirements: The tasks that the user needs to be able to carry out such as images, colours, font styles. Output requirements: Visual: Output from the interface including error messages.

Audio: Button clicks, error or warning sounds Haptic (feedback through touch): Vibration on a phone nput requirements: Mouse, keyboard, voice or touch. User accessibility requirements: Accessibility needs of the users.

Week 8

Creating a project proposal and plan

When creating a project plan understand: Timescales Key milestones

When creating a project plan it is important to identify the overall timescale of when the project will start and finish. Including sub tasks agreed with the client. Milestones are key points in a project, completion of the desian phase of the project means that a client can now project to be completed before the next stage is able to review the designs. Then move on to the next stage in the proiect.



Initial designs

An initial design will include:

The user requirements

Input and output requirements

User accessibility needs

The requirements for this are covered in creating project proposal and plan.



Week 9

Initial desians

A design specification includes:

Visualisation such as storyboard and sketches Hardware and software requirements Sketches allow a screen design to be made quickly they can be hand drawn or made with computer software. They are often called wireframes.

Storyboards show the sequence of screens in an app, website or program they use the perspective

of the user. They are useful to discuss the overall design and functionality with the client.

Sketches help to generate visualisations very quickly and can be altered immediately.

Hardware and software include all of the components in a PC and the programs needed to create designs. Hardware will consist of internal components as well as external peripherals that would be required to meet the project need.

Software will be programs that will help the project manager and staff complete the designs and other tasks in the project plan.

Developing a user interface

Initial designs will use the following design principles:

Colour

Font style/size

Language

Amount of information

Colour will be kept to a small number known as house colours. The fonts used will need to be suitable for the designs, Serif font is not a good choice in designs. The language used will be appropriate to the age range, skill level and the product that is being used in the interface.

Information needs to be relevant to the design as the interface will rely mainly on icons, some information will be used to support the interface design.



Week 10	Week 11	Week 12
Developing a user interface	Final assessment for B & C Planning and Assessment	
Other design principles that will be used:	End of component 1 final assessment.	
 Layout User perception Retaining user attention Intuitive design The layout will need to be user friendly, fast and easy to navigate with the least number of clicks to get to what you are looking for, it also needs to be easy on the eye and uncluttered. User perception is important in the design as they need to be part of the process so that their demands for using the layout are met. Retaining the user's attention will depend on how the interface looks and works, it needs to entice them in to looking at more information and products. An intuitive design should allow users to zoom in/out as well as the option to listen to text, it needs to support users with different disabilities and meet their requirements.		
Review		
 Reviewing the success of the user interface including the strengths and weaknesses in: Meeting the user requirements Suitability for purpose and audience Ease of use Accessibility features How effectively the design principles have been met When carrying out a review of your interface design you will need to look at all of the bullet points above. Did you meet all of the points, if you only met some of them what was positive about them? Could you have done things better if so what? Are there any weaknesses that you can see in your designs? 		



Week 1	Week 2	Week 3
Stage Types Thrust Proscenium Traverse End on In the round Playwright – Someone who writes the play	Proxemics – the space between characters on stage Thought-track – the audience hear the character's thoughts out loud Hot-seat – asking a character questions Sub-text – hidden meaning beneath the text	 Vocal Skills – tone, pitch, pace, accent, emphasis, intonation, volume Physical skills – facial expression, gesture, gait, posture, movement Plot - storyline Duologue – a dialogue between two people
Genre: Musical Theatre	Theatrical Skills Vocal Skills	Comedy – a humorous genre
Character – a person in a play, novel or film	Tone – the emotional sound of the voice Pitch – high or low	Interaction – reciprocal action or influence
Ensemble – a group of performers who act together	Pace - speed Accent – manner of speaking relating to where the character is from	Performance Space – the space on stage
Social and Historical context – what was happening in the world when the play was written and set	Emphasis – the stress on certain words to make them stand out Intonation – the rise and fall of the voice Volume – Loud or quiet	Stage Positions : Upstage, Downstage, Stage right, Stage left
Themes Nature/Nurture – Nature refers to genetics, nurture is environmental factors Social Class – a division of society based on social and economic status Family – A group of one or more parents and their children living together as a unit Superstition – a widely held but irrational belief in supernatural influences	Physical skills: Facial expression – movement of the face to express emotion Gesture – A movement of the head, hand or other body part to express meaning Gait – manner of walking Posture – position of body when standing or sitting.	Upstage Right Upstage Genre Upstage Left Stage Right Stage Centre Stage Left Downstage Right Downstage Centre Downstage Left Audience



Week 4	Week 5	Week 6
Design Question: Set (4 marks)	12 mark question focusing on PERFORMANCE SPACE and INTERACTION	Exploration of a set design for a different scene.
Command words in exam questions:	Relationship	Set
Describe – to give detail		Truck
Analysis – to analyse, to interpret Justify – to give reason	Performance Skills (Physical and Vocal)	Backdrop Projection
	Proxemics – how close or near you are to others on stage	Flats Describe
Set – the scenery and furniture on stage	Positioning – your placement on stage	Justify
Levels – creating different heights on stage through ramp, steps etc	Interaction – the way the character acts and responds to others	Assessment criteria Rehearse – to practice something Interaction Performance Space
Truck – a board with wheels used to carry set pieces onto stage	Space	
Backdrop – a white panel upstage which can be painted upon or projected onto	Distance	(See definitions Week Four)
Projection – presentation of an image on a surface		
Flats – a flat piece of theatrical scenery		



Week 7	Week 8	Week 9
Lighting TerminologyFlood – a large powerful light Fresnel – used for a softer edge effect Profile – creates a hard-edged spot Par-can – produces an intense beam of lightPositioning – where you place the light in relation to the stage Gobo – a sheet inserted on a frame at the front of the light with a design cut into it to create patterns onto the stageGel – coloured filter placed in front of the lightIntensity – how bright or dim the light is and sound	Performance Skills Vocal Skills – tone, pitch, pace, accent, emphasis, intonation, volume Physical skills – facial expression, gesture, gait, posture, movement Interaction – the way a character acts and responds to others Performance Space – the space on stage Climax – the tension builds to its highest point Tension – a growing sense of expectation within the drama	 Tableau/x a representation of a dramatic scene by a person or group, posing silently without moving. Choreography – creating a series of movements Slow-motion – moving slowly Exaggeration – over-emphasis Physical expression Gesture – a movement of the head, hand or other body part to express meaning Mime – acting in silence Cross-Cutting – two scenes are intercut to establish continuity Cross-Fade – the lights fade from one lighting state to another



Week 10	Week 11	Week 12
Soliloguy – when a character speaks their inner thoughts to the audience, they are alone on stage Thought-Track – the audience hear the character's thoughts out loud Rehearsal Vocal Skills – tone, pitch, pace, accent,	Performance Formative Assessment Vocal Skills – tone, pitch, pace, accent, emphasis, intonation, volume Physical skills – facial expression, gesture, gait, posture, movement Performance	 Design Question: Sound Ambience – the feel of your production or the mood/tone Underscoring – music underneath dialogue to help create atmosphere Volume – how loud or quiet
emphasis, intonation, volume Physical skills – facial expression, gesture,	Audience – people who watch the performance	Direction - positioning Sound effect (SFX)
gait, posture, movement	Evaluating work and setting targets:	Design Question: Costume
Character Objective – what the character wants	Analyse - to look at the information provided and break it down to identify and interpret the main points being raised	Fabric - material Cut – the shape
Focus – able to stay in role	Evaluate – to make a personal judgement about the performance	Texture – material, fabric Pattern – shapes on cloth
Cooperation – the action or process of working together to the same end.	 Target – setting a goal for improvement Specific – clearly defined Measurable – capable of being measured Attainable – able to be achieved Relevant - appropriate Timely – set to a time limit 	Accessories – I.e. jeweiry Historical and Social Context Theme Period – time the play was set in



Week 1-2	Week 1-2
TASK- Learn the following terms using say, look, cover, write, check in your homework book.	TASK- Learn the following terms and quotations using say, look, cover, write, check in your homework book.
 Miserly - being unwilling or showing unwillingness to share with others. Capitalism - an economic system where private individuals own and control production for profit. Stave 1 Summary In Stave One of "A Christmas Carol," Scrooge, a miserly old man, rejects Christmas cheer and treats everyone harshly. That night, he is visited by the ghost of his former partner, Jacob Marley, who warns him to change his ways. 	 Antithesis – a person or thing that is the direct opposite of someone or something else. Pathetic Fallacy - the attribution of human emotion to inanimate objects, nature, or animals, used to evoke a mood or feeling in the setting. Supernatural – manifestation or event attributed to some force beyond scientific understanding or the laws of nature.
 Key Quotes 'A squeezing, wrenching, grasping, scraping, clutching, covetous, old sinner!' - Narrator about Scrooge 'his eyes sparkled, and his breath smoked again' - Narrator about Fred 'If they want to die, they better do it and decrease the surplus population' - Scrooge Thesis Writing Thesis writing is where we outline our argument for a Literature Essay. We use a three-pronged approach. 	London (William Blake) Summary and Purpose William Blake's "London" depicts the city's suffering and corruption, highlighting the oppression and despair of its people. The poem critiques the impact of industrialization and institutional power on society. Blake uses vivid imagery to emphasize the pervasive misery and social injustices, calling for awareness and change. Key Quotes
First sentence \diamond What does the writer aim to achieve with the text overall? Second sentence \diamond How does the writer get this argument across? Which characters or moments do they use? Third sentence \diamond Provide references from across the text and then explain WHY the writer has done this.	 'Marks of weakness, marks of woe' 'In <u>every</u> cry of <u>every</u> man, In <u>every</u> infant's cry of fear, in <u>every</u> voice, in <u>every</u> ban' 'The mind-forged manacles I hear'
AllWrite Task: How does Dickens present Scrooge as an outsider to society? Thesis Led	AllWrite Task: Write an opening description of setting. Include <u>pathetic fallacy.</u>
Response.	



Week 3-4	Week 3-4
TASK- Learn the following terms using say, look, cover, write, check in your homework book.	TASK- Learn the following terms and quotations using say, look, cover, write, check in your homework book.
 Motif - a dominant or recurring idea/image in a work. Benevolent - showing or motivated by sympathy and understanding and generosity. Avarice - excessive or insatiable desire for wealth or gain. 	 Nostalgia – a sentimental longing or wistful affection for a period in the past. Juxtaposition - the fact of two things being seen or placed close together with contrasting effect. Creating an example of juxtaposition
 <u>Stave 2 Summary</u> In Stave Two of "A Christmas Carol," the Ghost of Christmas Past takes Scrooge on a journey through his earlier years. Scrooge witnesses his lonely childhood, joyful moments with his sister, and the loss of his fiancée due to his growing greed, leading to deep regret and reflection. <u>Key Quotes</u> 'He has the power to render us happy or unhappy' – Scrooge 	Beaming, Kate joyfully danced across to Mr Jones, who wore a face of Ozymandias (Percy Bysshe Shelley) Summary and Purpose Percy Shelley's "Ozymandias" describes a traveler's account of a ruined statue in the desert, symbolizing the fleeting nature of power and human achievements. The poem reflects on the inevitable decline of all leaders and empires, emphasizing the impermanence of human grandeur and the enduring power of nature.
 Fezziwig 'A lonely boy was reading near a feeble fire' – Narrator about Scrooge 'another idol has displaced mea golden one' – Belle to Scrooge 	 Key Quotes 'My name is Ozymandias, king of kings' 'wrinkled lip, and sneer of cold command' 'boundless and bare, the lone and level sands stretch'
AllWrite Task: How does Dickens present the consequences of Scrooge's greed in this extract? Produce a thesis and a main body of an essay (including layered analysis).	AllWrite Task: Write a description of contrasting characters. Include juxtaposition.



Week 5-6	Week 5-6
TASK- Learn the following terms using say, look, cover, write, check in your homework book.	TASK- Learn the following terms and quotations using say, look, cover, write, check in your homework book.
 Social Welfare – services provided by the government or private organizations to help those who are vulnerable. Exploitation – the use of something/someone in order to get an advantage from it. Stave 3 Summary In Stave One of "A Christmas Carol," miserly Ebenezer Scrooge is introduced, showing his disdain for Christmas and kindness. He harshly rejects his nephew's invitation and mistreats his clerk. That night, Scrooge is visited by the ghost of his former partner, Jacob Marley, who warns him to change his ways.	 Destitute – excessive or insatiable desire for wealth or gain <i>Flashback</i> - a scene in a novel, film, etc. set in a time earlier than the main story. Flashback sentence examples: Gazing at the photograph, she could feel the warm sunlight that took her back to Semi-colon list: a colon introduces the list, and semicolons indicate which parts of the list are grouped together. Example: Last year we travelled to Dorchester, Dorset; Edinburgh, Scotland; and Whitby, North Yorkshire. Create your own semi-colon list:
 Key Quotes 'A squeezing, wrenching, grasping, scraping, clutching, covetous, old sinner!' – Narrator about Scrooge 'his eyes sparkled, and his breath smoked again' – Narrator about Fred 'If they want to die, they better do it and decrease the surplus population' – Scrooge 'as good as gold and better' – Bob Cratchit about Tiny Tim 	 Poetry Comparison Thesis Thesis writing is where we outline our argument for a Literature Essay. We use a three-pronged approach. First sentence ◊ Which poems are you comparing? Second sentence ◊ How do the poems link thematically to each other? What are the similar big ideas? Third sentence ◊ How are the poems different? What big ideas do they explore differently?
AllWrite Task: How does Dickens present the struggles of the poor? Produce a thesis and a main body of an essay (including layered analysis).	AllWrite Task: Craft a flashback Include a detailed <u>semi-colon list</u> inspired by Dickens.



Week 7-8	Week 7-8
TASK- Learn the following terms using say, look, cover, write, check in your homework book.	TASK- Learn the following terms and quotations using say, look, cover, write, check in your homework book.
 Fate - the development of events outside a person's control, regarded as predetermined by a supernatural power. Penultimate - second to last. Consequence - a result or effect, typically one that is unwelcome or unpleasant. 	 Free Will - the power of acting without the constraint of necessity or fate; the ability to act at one's own discretion. Cyclicity - the quality or state of something that occurs or moves in cycles.
Stave 4 Summary In Stave Four of "A Christmas Carol," the Ghost of Christmas Yet to Come	How do you use a cyclical structure in my own writing? Give an example of how you might start and end a narrative to show cyclicity
shows Scrooge a future marked by his death, where he is unmourned and his possessions are stolen. He also sees the Cratchit family grieving Tiny Tim's death. Scrooge vows to change his ways to avoid this fate.	My Last Duchess (Robert Browning) Summary and Purpose Robert Browning's "My Last Duchess" is a dramatic monologue in which a Duke reveals his possessive and controlling nature while discussing a portrait of his late wife. Through his speech, he inadvertently exposes his jealousy and possible involvement in her death, critiquing the power dynamics and objectification in
 'Yellow, meagre, ragged, scowling, wolfish' - Narrator about Ignorance & Want 'When it came near him, Scrooge bent down upon his knee; for in the very air through which this Spirit moved it seemed to scatter gloom and mystery.' Narrator about Scrooge and The Ghost of Christmas Yet to Come 	 aristocratic society. <u>Key Quotes</u> 'That's my last Duchess painted on the wall, / Looking as if she were alive.' 'I gave commands; / Then all smiles stopped together.' 'She had / A heart—how shall I say?—too soon made glad'
<u>AllWrite Task:</u> How does Dickens present the consequences of sin? Produce a <u>thesis</u> , a <u>main body</u> , and <u>conclusion</u> .	AllWrite Task: Craft an opening an ending. Use a <u>cyclical structure</u> to show change.



Week 9-10	Week 9-10
TASK- Learn the following terms using say, look, cover, write, check in your homework book.	TASK- Learn the following terms and quotations using say, look, cover, write, check in your homework book.
 Abundance - a very large quantity of something. Merriment - a cheerful or joyful disposition. Resolution - the conclusion of the story by the resolving of conflicts of characters. 	 Moral - a lesson that can be derived from a story or experience. Parallelism - the state of being parallel or of corresponding in some way.
Stave 5 Summary In Stave Five of "A Christmas Carol," Scrooge awakens on Christmas morning filled with joy and gratitude. He embraces the spirit of Christmas, generously helps the Cratchit family, reconciles with his nephew, and becomes a beloved, kind-hearted figure in the community, transforming his life completely.	Can you identify any parallels between the events of Stave 1 and Stave 5?
	The Prelude (William Wordsworth)
 <u>Key Quotes</u> 'As happy as an angel' 'As light as a feather' - Scrooge 'He did it all and infinitely more' – Narrator about Scrooge 'A second father to Tiny Tim'– Narrator about Scrooge 	Summary and Purpose William Wordsworth's "The Prelude" explores the poet's life, emphasizing nature's profound impact on his development. Through vivid descriptions, Wordsworth illustrates how nature's beauty and power shape his thoughts, emotions, and identity, highlighting its role in human growth and the spiritual awakening of the individual.
<u>AllWrite Task:</u> How does Dickens present the transformation of Scrooge? Produce a <u>thesis</u> , a <u>main body</u> , and <u>conclusion</u> .	 Key Quotes 'It was an act of stealth / And troubled pleasure' 'With measur'd motion, like a living thing, / Strode after me.' 'As if with voluntary power instinct, / Upreared its head. I struck and struck again' <u>AllWrite Task:</u> Creative Writing Full response.



Week 11-12	Week 11-12
TASK- Learn the following terms using say, look, cover, write, check in your homework book.	TASK- Learn the following terms and quotations using say, look, cover, write, check in your homework book.
 Malthusian Mindset - mindset where society believes and fears that a large population size could lead to a humanitarian and ecological disaster. Cornucopian Mindset - a mindset where society believes there is abundance and enough for everyone in society if shared 	 Comparative - a consideration or estimate of the similarities or dissimilarities between two things, ideas or people. Allegory - a story, poem, or picture that can be interpreted to reveal a hidden meaning, typically a moral or political one.
Task: Identify across the novel, which characters embody each of these mindsets.	How is A Christmas Carol an allegory? "A Christmas Carol" is an allegory highlighting the moral and social issues of Victorian society. Through Scrooge's transformation from a greedy miser to a compassionate benefactor, Dickens critiques
In "The Prelude," nature's power profoundly influences the poet's emotions and identity. In "Ozymandias," nature's power erodes the statue, emphasizing the fleeting nature of human achievements and the enduring, unstoppable force of the natural world.	the impacts of capitalism and promotes the values of generosity, compassion, and social responsibility.
 Key Quotes: Ozymandias – 'Round the decay / Of that colossal Wreck, boundless and bare, / The lone and level sands stretch far away.' The Prelude – 'Huge and mighty forms, that do not live / Like living men, moved slowly through the mind / By day, and were a trouble to my dreams.' 	 Time of year/day - describe the weather - use pathetic fallacy Character in the wrong place/out of place? Personification of setting - narrow focus Broader description of setting or city - use a semi-colon list Characters feelings reflecting setting - use pathetic fallacy Introduction of motif - perhaps this links to a flashback Has the story progressed? The setting changed? The characters emotions changed? Use cyclical structure.
<u>AllWrite Task:</u> Compare the ways poets present the power of nature. Plan a	<u>AllWrite Task:</u>

response and write a comparative thesis.

Creative Writing. Full response



Week 13

TASK- Learn the following terms using say, look, cover, write, check in your homework book.

- 1. Romanticism A literary and artistic movement emphasizing the importance of nature, emotional depth, and individual experience, often highlighting the sublime and transformative power of the natural world.
- 2. SORT Revision strategy that asks you to Summarise, Organise, Recall and Test yourself.

Key poems to SORT

- London
- Ozymandias
- My Last Duchess
- The Prelude

SORT strategies

Summarise – Mind map, Flash Cards, Revision Clock, Cornell and Sketch Notes.

Organise – Revision timetable, identifying weak/strong poems. Recall – Leitner System (flashcards), Zones of relevance, Graphic organiser, Mnemonics, Group/Pair games Test Yourself – Use your strategies to test yourself regularly.

AllWrite Task:

Compare the ways poets present ideas about [steer] in [named poem] and in one other poem.

Write a full comparative response.



Week 1	Week2	Week3		
Topic: Commodity 1 - Fruit& Vegetables				
Demonstration - South African Picnic Muffins	Practical - South African Picnic Muffins	Practical - Tomato and Basil Soup		
Secondary processing - Secondary processing is when the primary product is changed to another product.	Washing fruit and vegetables prior to preparing/cooking willhelp remove bacteria, including E.coli, from the surface.	A diet high in fruit and vegetables can help protect you against cancer, diabetes and heart disease.		
Dietary fibre - isplant material that cannot be digested by the human body. Foods that are rich in fibre include beans, pulses, and vegetables such as broccoli and carrots.	Muffin - a small domed spongy cake made with eggs and baking powder. Classification - fruits and vegetables are classified depending on which part of the	Acidity - The tart or sour taste often balanced with sweetness in the soup. Iron - Helps to make haemoglobin in the red blood cells which carry oxygen to the body cells		
 Vitamin C Helps with resist infection Helps wounds to heal Helps the absorption of iron from other foods. Produces a substance called collagen which makes connective tissues to bind cells together in the body. 	plant they come from Batter - a mixture of flour and liquid with other ingredients, such as leavening agents, shortening, sugar, salt, eggs, and various flavourings, used to make baked goods and other food products Basic equipment -	Basic equipment - Saucepan - a cooking pot used for heating liquids Can opener - a toll to help open tincan with Sharpe knife - used to cut ingredients Blender - used to blend, puree and mix food items		
 It is an antioxidant. That means it helps protect the body against polluting chemicals which can harm us. Food poisoning - Food poisoning, also called foodborne illness, is an infection or irritation of your digestive tract that spreads through food or drinks. 	Measuring jug - used for measuring liquids Paper cases - used to bake cake mixture in, preventing the mixsticking Muffin tin - piece of equipment used to bake muffins/cakes. Grater - used to grate foods into fine pieces.	 Consistency - The texture or thickness of a sauce. Cornflour is used to achieve the desired consistency in sauces, making them thicker and more viscous. Simmer - Cooking method involving low heat to gently cook ingredients. 		



Week4	Week5	Week6		
Topic: Commodity 2 - Fats & sugars				
Practical - Cornish Fairings	Practical - Cheese Straws	Theory		
Golden syrup - process sugar, name other types of syrups natural - maple and honey	Basic equipment - Baking tray - is a flat, rectangular metal pan placed in an oven and used for	Smoking point - when a fat is heated it turns into a liquid oil. on further heating it will give offermate and eventually ignited		
Implications of a diet high in saturated	baking.	different fats have different smoke points		
up in your arteries (blood vessels)	Greaseproof paper - paper which is used to line tins and baking trays with to prevent food items from sticking	Secondary processing - Secondary processing is when the primary product is		
Cornish fairings - Traditional gingerbread cookies from Cornwall, England.	Mixing bowl - used to mix food item in Grater - Used to o grate foods into fine	example, turning potatoes in to chips.		
Basic equipment - Baking tray - is a flat, rectangular metal pan placed in an oven and used for baking.	Pastry Brush - A kitchen tool used to apply butter, egg wash, or other liquids to the dough before baking, which can help	 The quality of the products that you have made. The skills that you have developed. Equipment that you have learned 		
Greaseproof paper - paper which is used to line tins and baking trays with to prevent food items from sticking	with browning and adding flavour. Caramelisation - a process of browning of sugar used extensively in cooking for the	 how to use. Skills or processes that you need to improve. How you could improve the ways is which you work is 		
Mixing bowl- used to mix food item in	resulting rich, butter-like flavour and brown colour.	practical lessons.		
Melting method - melting the butter (fat) and dissolving the sugar	Dough - A mixture of flour, water, and	Reflect - What went well? React - Even better if Retain - Embedding knowledge		
Empty calories - are calorie	make bread, pastries, and other			
s that provide little nutritional value Energy density- is the amount of	baked goods Rubbing - in method - Using your fingerting			
food	rub the flour and butter together until the mixture resembles breadcrumbs			



Classroom language					
français	English			Les Verbes Clés	Key verbs
Comment dit-on en français/anglais?	How do	you say in French	/ English?	louer	to rent/hire
Comment ça s'écrit?	How do	you spell?		descendre	to go down/ to get off
Comment prononce-t-on?	How do	you pronounce (it)	Ś	chercher	to look for
Passe-moi , s'il te plaît?	Can you	u give me?		tomber	to fall
Tu peux répéter?	Can you	repeat that?		durer	to last
Je peux aller à ma leçon de musique?	Canlgo	o to my music class?	•	se trouver	to be located
Je ne comprends pas.	l (don't)	understand		éviter	to avoid
Je suis désolé(e).	l'm sorry			signer	to sign
J'ai (presque) fini.	lhave (c	almost) finished		fonctionner	to work (i.e.to function)
S'il te plaît	please		dépenser	to spend (money)	
merci	thank you		changer de	to change (train)	
Objets dans la classe	Classroor	n objects		appeler (au téléphone)	to call
un stylo	a pen		arriver	to arrive	
une règle	a ruler			perdre	to lose/miss (train)
un cahier	an exercise book		prêter	to lend	
	Key Adjectives		emprunter	to borrow	
ai 🗛 🔶 🔶		Ouvert	Open	remplacer	to replace
		Brof	Priof	remplir (un formulaire)	to fill out (a form)
	4	DIGI	DIIEI	voler	to fly/steal
la m <u>ai</u> son la t <u>ê</u> te la sor	ci <u>è</u> re	Recherché	Sought after	acheter des billets (for	to buy tickets
ill 🔍 🛛 🙀 gn_		Fermé à clé	Locked	& the theatre)	
		Gratuit	Free (No Cost)	acheter des tickets (for	to buy tickets
		Libre	Free (Available)	buses, the tube,	,
le gor <u>ill</u> e les fr <u>ui</u> ts Espa	<u>gn</u> e	Plein	Full	cinemas &	
		Même	Same	museums)	
		Perdu	Lost	monter	to go up
				apporter	to bring
la pollution la question le reg	uin	Prochain	Next	essayer de	to try to
		Dernier	Last/Latest	venir	to come



Week 1 ·	Destinations	
En vacances	On holiday	
Où es-tu allé(e)?	Where did you	
	go?	
l'année dernière	last year	
l'été dernier	last summer	
je suis allé	I went on	
en/au/aux/à	holiday	
	to	
j'ai passé	I spent the	
l'été	summer in	
en/au/aux/à		
j'ai passé	l spent a	
quinze jours	fortnight	
en Écosse	In Scotland	
en Espagne	In spain	
en France	In France	
en Grèce	In Greece	
aux États-Unis	In the USA	
en Allemagne	In Germany	
au Royaume-Uni	in the UK	
Comment	How was the	
était le	journey?	
voyage?		
j'ai	I/ we travelled	
voyagé/nous		
avons voyagé		
en car	bycoach	
en voiture	by car	
en train	by train	
en avion	by plane	
à pied	on foot	

Week 2 - Activitie	es and weather
Qu'est-ce que tu as fait ?	What did you do ?
je suis allé(e)	Iwent
j'ai eu	Ihad
j'ai vu	l saw
j'ai fait	Idid
j'ai lu	Iread
j'ai bu	l drank
Quel temps faisait-il?	What was the weather like ?
il faisait du soleil	It was sunny
il faisait chaud	It was hot
il faisait froid	It was cold
il faisait du vent	It was windy
il faisait	It was
beau/mauvais	goo/bad weather
il pleuvait	It was raining
le temps était clair	It was clear
Où es-tu resté(e)?	Where did
	you stay?
je suis resté(e) avec /chez	I stayed with
j'ai logé dans	I stayed in
un hôtel	A hotel
c'était	It was
il y avait	There was/were
l'hôtel avait	The hotel had

Week 3 - Descrip	tions in the past
quel était le meilleur/le pire?	what was the best/worst thing
le meilleur/le pire était quand	the best/worst thing was when
j'ai vu un match	lwatched a match
je suis allé(e) à la plage	Iwent to the beach
j'ai perdu le vol	l missed the flight
j'ai perdu ma valise	l lost my suitcase
les clés	the keys
la voiture etait en panne	the car broke down
j'ai eu un accident	Ihad an accident
j'ai vomi sur les montagnes russes	l was sick on a rollercoaster
je suis arrivé(e) en retard	l arrived late
j'ai dû …	Ihad to
aller au commissariat de police	go to the police station
attendre longtemps	wait a long time
Comment étaient les vacances?	How were the holidays?
Elles étaient	They were
agréables	enjoyable
géniales	great
Je me suis éclaté(e)	Ihad a great time
Je me suis ennuyé	I was bored

Week 4 ·	Key verbs
aller en vacances	to go on
	holiday
passer l'été	to spend the
	summer
faire les magasins	to go
	shopping
se reposer	to rest
attendre/s'attend	to
re à	wait/expec
faire du equation	t to go
iale au camping	campin
	g
sortir avec des	to go out with
amis	friends
télécharger des	to download
chansons	songs
faire du tourisme	to go
	sightseeing
écrire des emails	to write emails
écrire des cartes	to write
postales	postcards
acheter des	to buy
souvenirs	souvenirs
lire	to read
jouer de la	to play guitar
guitare	
s'amuser	to have fun
regarder un	to watch a
match	match
se plaindre	to complain
rester	to stay
ne faire rien	to do nothing



Week 5 - Places in town		
En ville	In town	
ll y a	There is/are	
un hôtel de ville	a town hall	
un marché	a market	
un parc	a park	
un centre de loisirs	a leisure centre	
un port	a port	
un pont	a bridge	
une bibliothèque	a library	
une piscine	a pool	
une place	a town square	
un bureau de poste	a post office	
un magasin	a shop	
beaucoup	lots of places	
de sites d'intérêt	of interest	
quelque chose à faire	something to do	
plusieurs choses à faire	plenty to do	
il n'y a rien	There's	
à faire	nothing to do	

Week 6 - Finding the way		
Les directions	Les directions	
Où est ?	Where is?	
tourne	turn left	
à		
gauche		
tourne à droite	turn right	
prends la	take the first left	
guuche		
prends la	take the first	
droite	right	
	the third read	
à (la) draita	ne mira road	
	on me ien	
JUSQU'A	as far as / up to	
passe	pass pass	
va tout aroit	go siraigni abaad	
traverse la		
	cross the square	
	to catch	
prendre	(the	
	bus/train)	
c'est	it is	
au coin	on the corner	
à côté de	next to	
en face de	opposite	
devant	in front of	
loin de	far (from)	
près de	near (to)	
le nord/le sud	the north/south	
l'est/l'ouest	the east/west	
à la campagne	in the country	
à la montagne	in the mountains	
au bord de la	by the sea / at	
mer / sur la côte	the coast	
en banlieue	In the suburbs	

Week 7 -	In the shop
Faire les magasins	Shopping
en vente	on sale
il/elle ouvre à	it opens at
il/elle ferme à	it closes at
ouvert	open
fermé	closed
fermé le	closed on
dimanch	Sundays
e	
POUVEZ-VOUS	
	IIIE ș
Comment je peux	How can I
Combien	How much
	lwant
ie	Iwould like
voudrais/j'aimerais	(more polite)
acheter	to buy
essayer	to try (on)
Quelle est votre	What size are
taille?	YOU Ś
échanger	to exchange
offrir un cadeau	to give a gift
Je peux	Canl
l'échanger ?	exchange it?
lly a un/une autre	lsthere
de ma taille?	another in my
	size?
ça (ne) me	it (doesn't) suit
va (pas)	me
c'est trop grand	It's too big
la taille	size (clothes)
le style	style

Week 8 - Hotel and restaurant		
Dans un hôtel	In a hotel	
Quelle type de	Which type of	
chambre voulez-	room do you	
vousș	want?	
Je voudrais faire	I would like to	
une réservation	make a	
pour	reservation for	
une chambre	a room	
avec des vues	with views of the	
de la mer	sea	
l'hôtel est	the hotel is full	
complet		
excusez-moi	excuse me	
je suis désolé	l'm sorry	
le prix	the price	
Dans un	In a restaurant	
restaurant		
je voudrais	I want to reserve	
reserver une	a table for	
s'asseoir	to sit	
je voudrais	I want to sit	
m'asseoir		
à côté de	next to the	
la tenetre	window	
à une table	at a table with	
avec une	a view	
ie voudrais	l'd like to have	
prendre		
comme entrée	for the starter	
comme	for the main	
plat	course	
principal		
comme dessert	for dessert	
Comment est le	How is the food?	
repas?		
Autre chose?	Anything else?	
j'ai faim/soif	I'm hungry/thirsty	
je suis pressé	I'm in a hurry	

GEOGRAPHY

Week 1	Week 2	Week 3
Glossary: Evaporation - water turning into water vapour. Condensation - the air rises. High up, where it's cooler, the water vapour then turns into tiny water droplets. These form clouds. Precipitation - moisture that falls from the atmosphere in any form. Suface runoff - all water flowing on the Earth's surface. Transpiration - loss of moisture from plants. Evapotranspiration - the sum of evaporation from the Earth's surface together with the transpiration of plants. Infiltration - seeping of water into the soil. Interception - collection of water by vegetation. Through-flow - movement of water through the soil. Groundwater - some water soaks right down and fills up the pores and cracks in the rock.	Glossary: Abrasion – when the load carried by the river repeatedly hits the bed or banks dislodging particles into the flow of the river. Attrition - when stones carried by the river knock against each other, gradually becoming smaller and more rounded. Solution - when the river flows over limestone or chalk, the rock is slowly dissolved. This is because it is soluble in mildly acidic river water. Hydraulic Power - the force of the water hitting the riverbed and banks. Saltation – 'hopping' or 'bouncing' of particles (bedload) too heavy to be suspended. Solution – dissolved chemicals often derived from limestone or chalk. Suspension – small sediment held (suspended) in the river. Traction - large particles rolled on the riverbed.	Glossary: Hard rock – crock at the top of the waterfall/resistant to erosion. Soft rock – soft rock at the base of the waterfall/vulnerable to erosion. Overhang – unsupported hard rock. Undercutting – process whereby the soft rock is eroded below the hard rock. Eventually the overhang is unsupported and falls. Splash back - soft rock can be worn away and undercut by splash back from the waterfall (part of hydraulic action). Plunge Pool – body of water at the base of the waterfall. Retreat – the waterfall moves back due to ongoing undercutting, overhang and collapse. Gorge – steep sided valley carved out by a waterfall.
Week 4	Week 5	Week 6
Glossary: Meander – the wide bend of a river found mainly in lowland areas. Slip off slope – there is deposition and shallow water on the inside of bends. River cliff – there is erosion and deep water on the outside of bends. Deposition – material is dropped due to the river losing energy. Lateral erosion – sideways erosion. Thalweg – the line of fastest flow within a river. Helicoidal flow - corkscrew movement of water which is thought to transport eroded material downstream from one meander bend to the next. Ox-bow Lake – a semi-circular area that represents the former course of a meander. They become cut off from a supply of water and eventually dry up, creating a scar.	River landforms on the River Tees The River Tees is in the northeast of England. Its source is in the Pennine Hills (height 893m). It flows east until it reaches the North Sea. High Force waterfall and gorge High Force waterfall is found in the upper course of the river. It is 20m tall. It is formed due to a resistant band of igneous rock called dolerite. The river cannot erode the dolerite, so it has formed a step in the long profile, and this has developed to form High Force waterfall. Below the dolerite is limestone; this is weaker and erodes quicker leaving an overhang. Eventually the overhang collapses and the waterfall will retreat upstream to form a gorge. Meanders, levees and floodplains These landforms are found on flat low-lying land within the middle and lower course of the River Tees.	Runoff (cumecs)

GEOGRAPHY

Week 7

Soft engineering – managing erosion by working with natural

Effect – the result of the flood; the impact on people, the

processes to help reduce the risk of river flooding. For example,

floodplain zoning, river restoration, preparation and planting

Week 8

Does Cardinham Waters follow the Bradshaw Model?

Upstream Downstream Discharge Occupied channel width Channel depth Average velocity Load particle size Channel bed roughness Slope angle (gradient)

Week 9

Data Collection Methods Data Presentation Techniques Measuring the width of the A bar graph to present the river width of the river Measuring the depth of the Cross profiles to present the river width and depth of the river Measuring the speed of the Scatteraraph to present the river velocity of the river Takina photoaraphs Annotated photographs to visually present the study area. Producing field sketches Neat and annotated field sketches to visually present the study area.

Week 10

Data presentation techniques:

Glossary:

trees

Hard engineering – using

natural processes. For

concrete or large artificial

structures to defend against

example, dams and reservoirs,

straightening, embankments

Cause – the factors that created the flood.

and flood relief channels.

economy and the land.

Cross profile – this is a slice through the river. It helps to visualise what the river and riverbed look like. They can highlight changes in the riverbed over a distance. Photographs and field sketches – are widely used in the study of geography. They can be used on their own or in association with maps. We used photographs and field sketches to identify the main geographical characteristics of the landscape. Gives a good visual appreciation of the landscape. Histograms – are one of the most common methods of displaying statistical information. A histogram uses bars but with no gaps between them. This is because a histogram represents continuous data (such as the river width). A single colour or shading is used. Accurately show proportion. Scattergraphs – if two sets of data are thought to be related, they can be plotted on a scattergraph. A line of best fit can

they can be plotted on a scattergraph. A line of best fit can be drawn to show the trend of the points if there is one. A scattergraph will also show how strong the relationship is.

Week 11

Does Cardinham Waters follow the Bradshaw Model? Bradshaw Model - a theory which explains how a river's characteristics change as you move downstream. Primary data - data collected by you (or your group) specifically for your project. Data observed or collected

directly from first-hand experience.

Secondary data - data collected by someone else or a group. Data that already exists.

Qualitative data – techniques that don't involve numbers or counting. They are subjective and involve the judgement of the person collecting the data such as photographs and field sketches.

Quantitative - use of numbers. Most quantitative techniques need equipment or recording sheets such as measuring the width or depth of a river.

Conclusion – summarises what we found out. A conclusion is almost the end point in your enquiry. Shorter than the analysis because it is more focused.

Evaluation – Last part of the enquiry process. Examines the limitations and errors which can affect the results, but also how you could improve, and you need to reflect.

Week 12

Glossary:

Assess – make an informed judgement. Compare – identify similarities and differences. Describe – set out characteristics/say what you can see. Explain – set out purposes or reasons. Justify – support a case with evidence.

Outline – set out main characteristics Suggest – present a possible case To what extent – judge the importance or success of a strategy, project or scheme.

Random sampling – where samples are chosen at random, for example every rock has an equal chance of being selected. Systematic sampling – means working to a system to collect data, for example every 20cm across the river.

Stratified sampling – deliberately introducing a bias to ensure the sample addresses the question. For example, deliberately selecting samples of different pebble sizes from a point in the river so that the whole range of pebble sizes is included within the sample.





Graphic Design	Cycle 1: Materials, Techniques and Processes										
Adobe key tools	Key Subject terminology	Keyboard shortcuts									
Illustrator: Selection Tool (V): Selects and moves objects Direct Selection Tool (A): Selects anchor points Pen Tool (P): Creates precise paths and shapes Shape Tools: Creates basic shapes such as rectangles Blob Brush Tool (Shift+ B): Paints filled shapes Gradient Tool (G): Applies colour transitions. Pathfinder Panel: Combines, divides, and manipulating shapes Photoshop: Move Tool (V) Allows you to move selected elements. Brush Tool (8) Used for painting and drawing Clone Stamp Tool (S) Copies pixels Lasso Tool (L) Used for making freehand selections. Healing Brush Tool (J)Repairs imperfections in an image	Typography: The art and technique of arranging type to make written language legible, readable, and visually appealing. Composition: The placement or arrangement of visual elements in a design. Balance: The distribution of visual weight in a design, creating stability. Contrast Definition: The difference between elements in a design, such as colour, size, or shape, to create visual interest. Hierarchy: The arrangement of elements in order of importance guiding the viewer'seye. White Space: The empty space around and between elements in a design, used to create visual breathing room and highlight content.	CMD + N Create a new document. CMD + S:Save the current document. CMD + Shift + S: Save As CMD + Z: Undo the last action. CMD + C: Copy the selected object. CMD + V: Paste the copied object. CMD + G: Group the selected objects. CMD + Shift + G: Ungroup the selected CMD + +/- Zoom in or out									

Annotation terms:

Explore: Investigate and experiment with different design elements, tools, and techniques to discover new possibilities and solutions. **Analyse:** Examine the components and structure of a design to understand how they work together and assess their effectiveness. **Compare:** Identify similarities and differences between two or more designs, elements, or approaches to evaluate their relative strengths and weaknesses.

Contrast: Highlight the differences between design elements such as colour, size, and typography to create visual interest and draw attention.

Evaluate: Assess the quality and effectiveness of a design based on specific criteria and provide feedback for improvement.

GRAPHIC DESIGN

Week 1	Week2	Week3							
This week you will: demonstrate an ability to create designs that use symmetrical, asymmetrical, or radial balance to achieve visual stability.	This week you will: demonstrate an ability to use contrasting elements such as colour, size, and typography to create focal points and enhance visual interest in their designs.	This week you will: demonstrate an ability to apply alignment techniques to create organised, clean, and professional-looking layouts.							
Symmetrical: Symmetrical balance in graphic design means elements are evenly placed around a central axis, creating a sense of harmony and stability. Asymmetrical: Asymmetrical balance in graphic design involves placing different visual elements on each side of a central axis, achieving balance through contrast and careful arrangement. It creates a dynamic and visually interesting composition.	Typography: Typography in graphic design refers to the art and technique of arranging type to make written language readable, legible, and visually appealing. Contrasting: Contrasting graphic design involves using differences in elements such as colour, size, shape, or texture to create visual interest and hierarchy within a design	 Cohesive: Cohesive in graphic design refers to elements that work together harmoniously, creating a unified and integrated visual presentation. Visual Structure Visual structure in graphic design refers to the arrangement and organization of elements within a design to create a clear hierarchy, balance, and flow that guides the viewer's eye through the composition. 							
Week 4	Week 5	Week 6							
This week you will: demonstrate an ability to group related items using proximity to improve readability and enhance user experience.	This week you will demonstrate an ability to use repetition to create consistency and unity across various design elements and projects. layers.	This week youwill demonstrate an ability to prioritise elements in their designs through size, colour, and placement to guide the viewer's eye effectively.							
 Proximity: In graphic design, proximity refers to the spatial relationship between elements in a composition. Elements that are physically close to each other are perceived to be related, while those that are farther apart are seen as separate. User Experience (UX): User experience encompasses all aspects of a person's interaction with a product, system, or service. 	 Repetition: In graphic design, repetition involves using the same or similar elements multiple times within a design. This can include repeating shapes, colours, patterns, or typography. Unity: Unity refers to the sense of harmony and cohesiveness in a design. It ensures that all elements of a design work together to create a single, cohesive composition. 	Hierarchy: In graphic design, hierarchy refers to the arrangement and organisation of elements in order of importance. It guides the viewer's eye to the most important parts of the design first and helps to convey the message clearly. Hierarchy can be established using size, colour, contrast, placement, and typography to emphasize certain elements over others.							

GRAPHIC DESIGN

Week 7	Week 8	Week 9								
This week you will demonstrate an ability to arrange visual elements to create balanced, engaging, and aesthetically pleasing compositions.	This week you will demonstrate an ability to use Adobe Illustrator's tools and techniques to create scalable vector graphics.	This week you will demonstrate an ability to use Adobe Photoshop for essential tasks such as photo editing, retouching, and working with layers.								
Visual Elements: Visual elements in graphic design are the components that make up a design, such as line, shape, colour, texture, space, form, and typography. These elements are used to create compositions and convey messages visually. Composition: Composition in graphic design is the arrangement and placement of visual elements within a design. It involves organising these elements in a way that is harmonious and effective.	 Adobe Illustrator: Adobe Illustrator is a vector graphics editor and design program developed by Adobe Inc. It is used to create and edit vector images, such as logos, illustrations, and typography. Illustrator is widely used in graphic design for its powerful tools and precision. Vector Graphics: Vector graphics are images created using mathematical equations to define points, lines, and shapes. 	 Adobe Photoshop: Adobe Photoshop is a widely used software application for image editing, graphic design, and digital art developed by Adobe Inc. It provides a range of tools for editing photos, creating graphics, and designing digital artwork. Photo Editing: Photo editing involves altering and enhancing photographs using various techniques and tools. 								
Week 10	Week 11	Week 12								
This week you will demonstrate an ability to use Adobe InDesign to create professional layouts for print materials like brochures and magazines.	This week you will demonstrate an ability to apply colour theory principles using colour tools in Adobe Illustrator and Photoshop to create visually harmonious designs.	This week you will be assessed on their ability to set up a document in Adobe InDesign and create a basic layout that aligns with the design brief.								
Adobe InDesign: Adobe InDesign is a desktop publishing software application developed by Adobe Inc. It is used to create and design layouts for print and digital media, such as magazines, Layouts: In graphic design, layouts involve positioning text, images, and other elements in a way that is aesthetically pleasing and effectively communicates the intended message.	Colour Theory: Colour theory is the study of how coloursinteract with each other and how they can be combined to create visual effects. It involves understanding the colour wheel, colour relationships (such as complementary, analogous, and triadic), and the psychological effects of colours.	Design Brief: A design brief is a document that outlines the objectives, requirements, and constraints of a design project. It serves as a guide for designers, providing essential information about the project's goals, target audience, budget, timeline, and specific design elements to be included.								

HAIR & BEAUTY

Week 1	We	eek 2	Week 3
The Purpose of a business What is a business- 'A business is an organization which produces and sells goods, or which provides a service' The purpose of a business is to produce goods, supply services and distribute products Reasons for starting a business- fulfil a business opportunity, providing goods/and or services, personal aims and objectives	Business structures and their disadvantages Business structures- sole t limited company (PLC) company (LTD), france independent/freelance organization Sole Trader Advantages Full control over the HMRC Profises red tape with accounting and the records Finances are private Profits are not shared hard work Partnership	 advantages and rader, partnership, public , privates limited thise, concession, e, not for profit Disadvantages Register with decision making ersonally, liable for any debts Personally, responsible for business It is all down to you, it can be very with shareholders Can be difficult to take time off 	 The scope of opportunities for hair and beauty businesses Hair and beauty businesses- beauty salons, hair salons, barbers, spas, nail bars, brow bars, complementary therapy centres, tanning salons, men only salons, specialist hairdressers, mobile hairdressers/barbers/ therapists, aesthetic clinics A beauty salon = treatments and services that improve the appearance of the face and body for aesthetic purposes. A freelance beauty therapist = a variety of beauty treatments and services in a client's own home A spa = therapeutic health treatments and services providing relaxation and rejuvenation to treat the mind and body and provide a sense of wellbeing. A hairdresser = creating styles by cutting colouring and styling the hair. A freelance hairdresser or barber is not based in a salon, they visit the customer at home and carry out a variety of hair services for men, women and children who prefer to have their hair done in their own home Barbers/barbershop = cutting/shaving men's hair and beards. They have mainly worked on men and boys' hair.
	Advantages • Easy to set up • Less red tape with accounting and records • Finances are private • Shared workload • Shared expertise and • Shared set up and running costs	 Disadvantages Unlimited liability for any debts or acts of negligence Disagreements between partners Unable to make independent decisions, both partners need to agree Individual taxation Shared profits 	

HAIR & BEAUTY

Week 4	Week 5	Week 6
 Career pathways and progression opportunities available in the hair and beauty sector Career/training pathways-TLevel, apprenticeship, further education, private training, higher education Career opportunities- hairdresser, barber, colour technician, beauty therapist, spa therapist, massage therapist, nail technician, make-up artist, educator, product sales consultant Career progression levels- junior stylist, senior therapist/stylist, consultant, salon manager, salon owner Type of employment- contracted, self employed 	 The common hair and beauty services and treatments Hairdressing- shampooing, cutting, colouring, perming, relaxing, thermal styling, extensions, wrapping, braiding Barbering- shampooing, cutting, fading, beard shaping/trimming, shaving, colouring, styling Beauty therapy- facials, eye treatments, hair removal, tanning, make-up Spa therapy- massage therapies, body wraps, hydrotherapy Nails- manicure, pedicure, gel polish, nail enhancements, nail art Make- up artistry- fashion and photographic make-up, theatrical and media make-up, prosthetics 	 Business links and interdependencies within the hair and beauty sector The hair and beauty sector has links with many other industries. These relationships can offer a broad range of benefits to the different industries. Businesses will link with one another to make the business viable and to create a more profitable business. Interdependencies are key areas where two or more businesses will rely on each other to make a business work effectively. For example, a retailer is interdependent with a manufacturer, the manufacturer needs the retailer to sell the goods, and the retailer needs the manufacturer's goods to sell. Interrelated industries- leisure and tourism, fashion, health and fitness, fashion design buying, education and training, theatre and media, retail, product manufacturing and distribution, aesthetic nursing
Week 7	Week 8	Week 9
 The historical development of hair and beauty industries over the last 50 years The evolution and development of industry from general hairdressers and beauty salons to specialised salons such as blow-dry bars, nail bars, male grooming, aesthetic clinics, spas Technological advances- hair replacement systems, nail systems, eyelash and eyebrow treatments, airbrush make-up, laser treatments, non-medical and clinical aesthetics 	 Entrepreneurship and the associated benefits What is the definition of enterprise? A project, a willingness to take on a new project, an undertaking or business venture. What is meant by being an entrepreneur? Someone who organizes, manages, and assumes the risks of a business or enterprise. Benefits to the economy and society- new businesses, employment opportunities, increased customer choice, improved business performance and choice 	 The characteristic's and objectives of an entrepreneur Characteristics of an entrepreneur- charismatic, driven, hardworking, motivated, dedicated, risk takers, enthusiastic, organised, innovative, good communicator, analytical ability, decision maker Objectives of an entrepreneur- to be their own boss, to be in charge of their own destiny, to take risks, work flexibly, to pursue an interest, earn money for personal profit, identify a gap in the market that could help expand a personal vision, job and personal satisfaction Well known hair and beauty entrepreneurs- Anita Roddick, Max Factor, Jeffree Star, Vaniti Parti, Vidal Sassoon

HAIR & BEAUTY

Week 10	Week 11	Week 12
 The historical development of hair and beauty industries over the last 50 years The evolution and development of industry from general hairdressers and beauty salons to specialised salons such as blow-dry bars, nail bars, male grooming, aesthetic clinics, spas Technological advances- hair replacement systems, nail systems, eyelash and eyebrow treatments, airbrush make-up, laser treatments, non-medical and clinical aesthetics 	 Entrepreneurship and the associated benefits What is the definition of enterprise? A project, a willingness to take on a new project, an undertaking or business venture. What is meant by being an entrepreneur? Someone who organizes, manages, and assumes the risks of a business or enterprise. Benefits to the economy and society- new businesses, employment opportunities, increased customer choice, improved business performance and choice 	 The characteristics and objectives of an entrepreneur Characteristics of an entrepreneur-charismatic, driven, hardworking, motivated, dedicated, risk takers, enthusiastic, organised, innovative, good communicator, analytical ability, decision maker Objectives of an entrepreneur- to be their own boss, to be in charge of their own destiny, to take risks, work flexibly, to pursue an interest, earn money for personal profit, identify a gap in the market that could help expand a personal vision, job and personal satisfaction Well known hair and beauty entrepreneurs- Anita Roddick, Max Factor, Jeffree Star, Vaniti Parti, Vidal Sassoon



Week 1	Week 2	Week 3
Elizabeth and her Court -The Court- This was made up of rich nobles who followed Elizabeth around her many palaces. - The Privy Chamber- The Privy Chamber involved rooms in which Elizabeth spent her private time. Ladies in Waiting would attend to her needs here such as getting her dressed. - The Privy Council: The Privy Council were just advisors and Elizabeth had ultimate control, she enjoyed how they opposed each other as this meant they would not join up and oppose her. This method of control is known as control and conquer.	Elizabeth and the rebellion of the Earl of Essex -Essex was one of Elizabeth's favourites. He defied her by marrying without permission and attacking Lisbon with Drake. Elizabeth and her Parliaments -Parliament much less important than today. Elizabeth could rule by royal orders called Proclamations. If she wanted to raise taxes or change the law she had to ask Parliament. Many MPs were Puritans. (Very strict Protestants).	Elizabeth and local government - Lord Lieutenant: Ensured each county obeyed the law. Usually the most powerful noble in the county. Provided part-time soldiers when needed. - Justice of the Peace (JP): JP's were expected to keep law and order in their local areas as there was no official police force. Elizabeth and Propaganda: - Censorship is limiting what people can see or find out. Portraits, plays, preaching and printing presses were all tightly controlled to only show what Elizabeth wanted people to see.



Week 4	Week 5	Week 6
Elizabeth and the religious settlement - Elizabeth was a Protestant. She was not a Puritan and still liked decorations and church music. She passed two laws in 1559: Act of Supremacy making her Supreme Governor of the Church of England Act of Uniformity which stated everyone should attend Church, Bibles and services must be in English.	Elizabeth, the spy network and the Catholics -Elizabeth was excommunicated in 1570 (expelled from the Catholic Church). This increased the threat against her. Elizabeth increasingly relied on Francis Walsingham and his spy network to find out about threats towards her. Informers and torture were used.	Elizabeth and Mary, Queen of Scots -Mary, Queen of Scots was Elizabeth's Catholic Cousin. She fled Scotland in 1568 and was imprisoned by Elizabeth. -The Throckmorton Plot (1583) and the Babington Plot (1586) plotted to execute Elizabeth and put Mary on the throne. Mary, Queen of Scots was executed in February 1587. Elizabeth and the Spanish Armada The Spanish Invasion fleet was known as the Armada.



Week 7	Week 8	Week 9							
Elizabethans and their contrasting lives The Gentry were 2% of the population but owned over 50% of the land. The Middling Sort were comfortable but less wealthy and powerful than the gentry. The Labouring Poor made up half the population. They struggled to make a living, and often went hungry. They lived in small, two roomed houses which were dark and smoky.	Elizabethans and poverty Rising populations, rising prices, low wages, failure of harvests, increasing unemployment and outbreaks of plague increased poverty. Those who could travel went looking for work or food. The number of vagrant poor (homeless labourers who travelled for work). Those who could not move were known as the settled poor .	Elizabethans and pastimes Theatres were popular for rich and poor. Parish Feasts and festivals were popular. Sports were violent and included Boxing, wrestling, bear and bull baiting, and football which had no pitches, few rules and lots of injury. Every village had an alehouse (a pub) where people sang and gambled. There were religious and farming festivals too.							
Week 10	Week 11	Week 12							
Elizabethans and witchcraft Supernatural beliefs helped people with challenges of daily life. Wise women used herbs and plants to cure illness. Elizabethans also believed supernatural powers could be dangerous. Historians give different reasons for the rise in witchcraft accusations:	Elizabethans and American colonies Humprey Gilbert claimed land in Newfoundland but did not set up a colony (an area under control by another country) Walter Raleigh planned a colony in Roanoke, Virginia on the East Coast of America. The colony failed because of losing many of their supplies and seeds at sea, local Indigenous leader Wingina became hostile and refused to keep giving them food when they had run out.	Key examination terminology Interpretation: Accounts of the past produced later in time. Message: What an interpretation is trying to suggest overall. You could ask if the interpretation is positive or negative. Details: What specific points are included? What does the writer or artist focus on? Purpose: What is this interpretation trying to achieve? Is it trying to educate or entertain? Who is the target audience?							



Area of a Rectangle	Circumference of a	Parts of a circle	Square	Cube Numbers	Index Rules
<u>↑</u>	circle	Segment	Numbers	1 ³ = 1	a h a h
width		chord set Sector	$1^2 = 1$	2 ³ = 8	$\chi^{a} \times \chi^{b} = \chi^{a+b}$
↓ ←		Diane Radius	2 ² = 4	3 ³ = 27	va
$length \times width = l \times w$		and interve	$3^2 = 9$	$4^3 = 64$	$\frac{x}{x^{b}} = x^{a-b}$
Area of a Triangle	$C = \pi \times d$	Chcp.	4 ² = 16	5 ³ = 125	X ^D
	Area of a circle		$5^2 = 25$	6 ³ = 216	$(x^a)^b - x^{a \times b}$
height	r	Volume of a Cuboid	$6^2 = 36$	73 - 3/3	(x) - x
		height	7 ² = 49	$7^{\circ} = 543$ $8^{3} = 512$	
$\frac{1}{2}$ x has a x normandicular height	$A = \pi \times r^2$		8 ² = 64	9 ³ = 729	$x^{\circ} = 1$
2 bh	$A = \mathcal{U} \wedge \mathcal{V}$	width	9 ² = 81	103 - 1000	1
$=\frac{bn}{2}$	Arc Length	Length × width × height	10 ² = 100	10 - 1000	$x^{-a} = \frac{1}{x^a}$
	arc length	$V = l \times w \times h$	11 ² = 121		
Area of Parallelogram	0	Volume of a Driam	12 ² = 144	Prime Numbers 2,3,5,7,11,13,17,	$\frac{1}{x^a} = \sqrt[a]{x}$
perpendicular height	<u>θ</u>	volume of a Prism	$13^2 = 169$	19, 23, 29, 31,	
base *	$\begin{array}{rcl} Arc \ Length &=& \times \pi \times d \\ & 360 \end{array}$		14 ² = 196	37	
base × perpendicular height	Area of a Sector		15 ² = 225	57,	
Area of Trapezium $ \underbrace{\stackrel{a}{\underset{b}{\overset{a}{\overset{a}{\overset{b}{\overset{b}{\overset{b}{\overset{b}{\overset{b}{\overset$	$A = \frac{\theta}{360} \times \pi \times r^2$	cross section Area of cross section × length		HCF: Highest Common Factor LCM: Lowest Common Multiple	







1) Go to sparxmaths.uk

- 2) Login using your username and password
- 3) Complete your compulsory homework as follows:
- Write the bookwork code
- Write the question and then your workings and your answer
- Mark your answer in a different colour
- If you are struggling, watch the video
- Your homework is complete when you have answered **every** question correctly.
- If you are really struggling with one question, complete the other questions and ask your Maths teacher for help the next day or attend the Sparx Clinic.

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6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
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MEDIA LANGUAGE

Media Language: the way in which the meaning of a media product is communicated to the audience.

Denotation: what you can see/hear – the sign **Connotation:** what this suggests – the deeper meaning the audience



Denotation: Black rimmed glasses Connotation: Clever, nerd. geek, intelligent, educated

We can divide codes of media language into three categories - these can help you to understand the meanings of a media product.

VISUAL	LANGUAGE	TECHNICAL
Colour & Lighting	Typography	Shot size: WS, LS, MLS, MS, MCU, CU,
Props	Slogans	ECU, POV, BEV
Setting/Locations	Captions	Camera angles
Facial expressions	Lexis (word choice)	Camera movement
Body Language	Emotive language	Framing
Costume, Hair, MU	Persuasive Language	Juxtaposition: 2 separate signs that
Images	Capitalisation (or not)	meaning

MEDIA PERSPECTIVES (THEORY)

LEVIS STRAUSS: Binary Oppositions

Binary opposites are a pair of related concepts which are opposite in meaning. E.a. good & bad, black & white, masculine & feminine.

PROPP: Character Types

Propp identified seven character archetypes: the villain, the donor, the helper, the princess, the dispatcher, the hero, and the false hero.

LAURA MULVEY: The Male Gaze

The male gaze refers to the way women are objectified by the camera lens because men are in control of the production process and make decisions that appeal to their own values and interests. The audience, including women, are then positioned to accept this narrow representation.

MEDIA REPRESENTATIONS

Representation: the description or portrayal of someone or something in a particular way. Representation is not a 'window to the world' - it is how the media producers want you to see the world! Representation is the process of how reality is constructed for an audience (this is known as **Mediation**).

EVENT Something happens

e.g. USA win many medals in the Olympics but the UK have won more Gold medals

MEDIATION The slant put on the event by the media e.g. The USA are 'winning' the Olympics due to the amount of medals they have but this is not 100% accurate.

REPRESENTATION This is how the event is presented by the media. e.g. Fox News reports that USA are 'winning' the Olympics.

Representation often includes stereotypes but to be completely fair in the media these need to be avoided. Stereotypes are a widely held, often negative and over simplified image or idea of a particular type of person or thing.

E.g. Teenagers are often represented as unruly, rude, lazy, disrespectful & defiant. Although these are negative, stereotypes are used in media products so that the audience aujckly recoanise the characters and can pick up the narrative easily. When analysing representation, we can look to see whether texts are supporting (using) or subverting (challenging) stereotypes. We can look at the following areas:

GENDER

SEXUALITY

FTHNICITY

SOCIAL GROUP

ANALYSING

KEY TERMINOLOGY:

Connotation - Low key lighting has connotations of/connotes a dark theme/story

AGF

Conventions - Horror films conventionally feature a villain and threatening sound Stereotypical - Boys stereotypically like sports, cars and video games. Girls stereotypically like the colour pink, fashion and make up.

Try using **DEL** to help structure your ideas:

DESCRIBE - the representation constructed

EXPLAIN - support with specific evidence how has media language been used to construct this representation

LINK - to the overall context/meaning



WEEKS 1&2

WEEKS 3&4

WEEKS 5&6

GQ Magazine

Context



puff sleeves, perfectly ci

WEEKS 7&8

Media Language in Magazine Covers

/		
Star vehicle:	the celebrity/famous cover star	
Typography:	font style, size, colour & position	
Layout:	how different elements are positioned	
Colour palette: the main 2 or 3 colours used		
Anchorage:	the words that go along with images to give those pictures a certain meaning in a specific context	
Cover lines:	the lines on a magazine cover that tell you what the magazine contains	
Lexis:	word choice (language techniques)	

Script SERIF SANS SERIF

WEEKS 9&10

WEEKS 11&12

Vogue Magazine Context

Published monthly by Condé Nast, Vogue is classed as a glossy, monthly, women's lifestyle consumer magazine. "British Vogue is the authority on fashion, beauty and lifestyle, and is a destination for women to learn, be challenged, inspired and empowered.

Component 1 Section A Question 2 (25marks) SUGGESTED STRUCTURE: Use DEL to help with each paragraph (See p1)

Introduction: overall sentence comparing the representation in the two covers Paragraph 1: a similarity, with examples and explanations for both covers Paragraph 2: a similarity, with examples and explanations for both covers Paragraph 3: a difference, with examples and explanations for both covers Paragraph 4: a difference, with examples and explanations for both covers Conclusion: make a judgement about HOW FAR they are similar/different representations

Binary Oppositions Theory: See page 1



WEEK TWO

WEEK THREE

Gaming Industry Terminology			Epic games Context	
	Revenue: Franchise:	The amount of money a company makes from sales. a collection of linked media products	Epic Games was started by Tim Sween in 1991 and was originally run from his parent's house.	
	Augmented	denved from single original source.	In 2014, the Guinness Book Of Records	
'	reality:	objects to be overlaid onto images of the real world.	successful videogame engine'. Epic Games owns video game develo	
	Horizontal integration:	Where an organisation buys other companies in the same sector that produce similar products.	Chair Entertainment and cloud-based software developer Cloudgine, and ha sub- studios in the UK, Japan, and Germany. Tencent - a Chinese investment compo focused on internet and AI developme - bought a 42% stake in Epic in 2012.	
Tecl	Technological convergence:	bringing previously unrelated technologies together, often in a single device.		

Game Funding & Profit Models

Games as a

GAMES

UNREAL ENGINE

·		
	Service (GaaS):	where there is a constant revenue stream from 'in- game purchases' after the initial purchase.
	Micro	
	Transactions:	where users can purchase in-game virtual goods with micropayments.
	Season Passes:	like a subscription that allows you to access new content over the course of a period of gameplay (the 'season') that play-for-free users can't access.
	Merchandise:	to produce and sell products connected with a popular film, event, game, etc.
	Licensing Deal:	agreements that grant the right to use intellectual property, such as characters, brands or technologies in games

WEEK FOUR

Pan

European

WEEK ONE

Regulating Video Games



www.pegi.info



In 2012 the PEGI system was incorporated into UK law and The Video Standards Council was appointed as the statutory body responsible for the age rating of video games in the UK using the PEGI system. Fortnite has the PEGI rating of 12 for "frequent scenes of mild violence".

WEEK FIVE

Audience Theory

- Effects Theory: Bandura believed that children would learn & copy behaviour that they saw, particularly violent behaviour.
- Stuart Hall:

Said media audiences were active and not passive. Active is when an audience is engaging, interpreting, and responding to media messages and can question the message. **Passive** is when an audience accepts a message without question and by doing so would be directly affected by it.

WEEK SIX

Uses & Gratifications Theory

Blumler & Katz's theory suggests there are certain reasons why an audience responds to different media texts. We can use **PIES** to help us to remember them:

Personal identity: Information: Entertainment: Social Interaction: discussing with others






WEEK EIGHT

WEEK NINE

Radio Industry Terminology		The BBC & Radio 4	The Archers Context BBC
PSB:	A Public Service Broadcaster aims to serve the public rather than make a profit.	 ✓ In the UK, BBC radio is funded by the licence fee. The BBC has a public service remit: to educate, inform and entertain. 	The Archers is aired on Radio Four, the BBC's main spoken-word channel, and
Commercial: Remit:	Stations funded by advertising. the task or area of activity officially assigned to an individual or organization.	 ✓ It has 8 UK-wide TV channels ✓ It has 10 national radio stations, BBC World Service & 	so is funded by the licence fee. The Archers was originally established in 1951 to
Ofcom:	The organisation that regulates UK TV & Radio.	 ✓ Catch up services such as iPlayer & the Sounds app ✓ Radio 4 – mostly speech-based station (news, current 	educate tarmers. The show soon became a major source of entertainment for people from all walks of life, not just the rural community. However, the show still
License Fee:	to form a new whole. the charge for anyone in the UK who watches terrestrial TV or accesses	 affairs, factual, drama & comedy series) ✓ Radio 4 "should appeal to listeners seeking intelligent programmes in many genres which inform, educate 	prides itself on the quality of its research and its ability to portray real rural life.
RAJAR:	iPlayer. the organisation that measures radio audiences in the UK.	& entertain.	the audience for The Archers consists mainly of well- educated middle-class professionals, most of whom are middle aged and above, white women.

WEEK TEN

WEEK SEVEN

Convergence

There are a number of ways for fans to engage with the show:

- ✓ Regular Radio 4 slot
- ✓ Sunday omnibus
- ✓ BBC Radio 4 Extra repeats
- ✓ Podcast
- ✓ iPlayer
- ✓ BBC Sounds App
- ✓ BBC Website The Archers' page
- \checkmark Twitter
- ✓ Facebook



BBC

SOUUDS

WEEK ELEVEN

Episode Terminology

Controversy: a lot of discussion and argument about something, often involving strong feelings of anger or disapproval.

Narratives: storylines.

- **Melodrama:** a sensational dramatic piece with exaggerated characters and exciting events intended to appeal to the emotions.
- **Omnibus:** a broadcast of a programme that normally includes all episodes from a particular week, allowing audiences to catch up in one go.

WEEK TWELVE

• Uses & Gratifications Theory

Blumler & Katz's theory suggests there are certain reasons why an audience responds to different media texts. We can use **PIES** to help us to remember them:

Personal identity:relating to a character or situationInformation:finding out informationEntertainment:escaping from daily livesSocial Interaction:discussing with others





Week 1 and Week 2	Week 3 and Week	4 Week 5 and week 6
How much to eat?	The components of a balance	d die . The components of a balanced diet
On average, men need around 2,500 calories (Kcal) a day while women need around 2,000.	Minerals Essential for many processes Calcium - such as bone growth/strength, fish, brock fish, brock nervous system, red blood watercress cells, immune system. Need nuts; potk small amounts only. bananas, bananas,	- milk, canned Water Main component of blood and Fluids and foods. coli; iron – cells, helps carry nutrients and sesium – pulses, white regulate body temperature.
Corbobydrates Brouids quick and efficient Eruit honoy bicquite	meat.	The importance of water
energy for movement. bread, rice, pasta, cereals.	Vitamins Vital for the production of energy, the prevention of disease and the working of the A – liver, a yellow fru	dairy, green veg, it; B - es, wholegrain be bydrated to stay healthy
Proteins Repair, growth and efficient working of all the body tissues. Meat, fish, dairy, lentils, nuts, seeds.	metabolism. Need small cereals, p amounts only citrus frui – oily fish	eanuts; C- it, vegetables; D I, eggs. Fluid is lost in sweat, urine, facces and exhaled air
Fats Provide energy very slowly, Meat, cheese, cream, protect vital organs and help prevent heat loss.	Fibre Effective bowel function and healthy digestion Fruit, veg cereals	etables, nuts, Etables, nuts, Failing to replace lost fluids can result in dehydration.
Employability Your ability to gain employment. Employability is having a set of skills, knowledge, understanding and personal attributes.	Managing Time Planning and controlling time sp specific tasks to increase efficienc deadlines, writing to do lists, and giving yours rewards for accomplishing certain	Commitmentpent on y. SettingAn agreement or promise to do something in the future. Work commitment is the level of enthusiasm you give towards your tasks assigned.self small activities.
Week	7,8,9 and 10	Week 11 and Week 12
Hydration and physic Taking in fluids regularly and maintaining extremely Lack of fluids (dehydration) has to on the perform Tires (fatigues) and slows down the perfor skill level decreases loss of motivation become thirsty. (muscle) cramps decrease in sweating. increase in body temperature. (in extreme cases) death	al activity the body's hydration levels is the following negative effects er: mer. However, by drinking regularly during athletes can prevent these deck concentration and skill level, reduc prevent excessive increases in heart body temperature and improve pe	Carbohydrate loading Carbohydrates provide energy. The complex carbohydrates – starches – are stored in the body as glycogen and converted into glucose when the body needs more energy. High-protein diets Protein builds tissue, including muscle. Athletes who want to build up their muscle during strength- training sometimes eat high-protein diets. This includes obvious strength-training athletes, such as weightlifters, but also includes endurance athletes who want to repair or prevent torn muscle.
Drive and initiative	Analysing	Teamwork and communication



Week 1 Capturing & Recording

Key Words

Identity: capture the sense of who you are and your friends as individuals through how you are perceived.

Adolescence: is a traditional stage of physical and psychological development that generally occurs during the period from puberty to adulthood.

Portrait: depicting only the face or head and shoulders.



Carolyn Mendelsohn

https://www.carolynmendelsohn.com/ Carolyn Mendelson explores the lives of young people living in Bradford from 12 years old and upwards.

Respond further by capturing your immediate family members.

Week 2 Replicating Photos of Others

<u>Key Words</u>

Portraiture: focuses on capturing the essence, personality and mood of the person or groups of people.

Black & White Photography: uses varying shades of gray,

from pure black to pure white to create images that emphasize contrast and texture.

Catchlight: is the reflection of the light source in a subject's

eye, which can bring life and depth to a portrait by adding a sparkle that draws your attention to the eyes.



Lee Jeffries

https://lee-jeffries.co.uk/ Lee Jeffries captures the lives of homeless individuals, capturing their raw emotions and humanity through his evocative, yet intermate imagery.

Respond further by photographing your grandparent.

Week 3 Researching a Photographer

Key Words

Candid: captures the spontaneous and unposed moments of genuine expression and natural interaction within the subject matter.

Still-Life: This genre of photography involves the artistic

arrangement of inanimate objects focusing on composition, lighting and texture.

Symbolism: involves using visual elements and compositions

to represent a deeper meaning or concepts beyond their lite<u>ral appearance.</u>



Nan Goldin's

"My Bed" series intimately documents her own life and relationships through raw and unfiltered photographs of her unmade bed

Respond further by photographing your own bedroom space



Week 4 Capturing & Recording

<u>Key Words</u>

Nostalgic: Nostalgia evokes a wistful longing for the past through visual cues such as vintage aesthetics or soft tone to transporting the viewer to sentimental memories and emotions. **Tone:** tone refers to the overall mood or atmosphere conveyed through the use of light, shadow, colour and composition, shaping the emotional impact of an image. **Composition:** refers to the arrangement of elements within a frame to create a visually appealing and balanced image that informs the viewer through a narrative or focal point.



Alice Hutchison & Ilona Savchenko's "Trophy Girl " explores the underrepresentation of women in sport and the aspirations of teenage girls that fall by the wayside

Week 5 Researching a Photographer

<u>Key Words</u>

<u>Rebellion</u>: succinctly challenging the norm and expectations through a concise expression. **<u>Doodling</u>**: is a spontaneous and often unconscious form of

drawing that reveals and gives us an insight into the doodler's thoughts and imagination, disrupting conventions and boundaries of visual art. **Graffiti:** encompasses diverse range of styles and messages, challenging conventional notions of public space and serves as a powerful form of urban expression.



Jose Romussi

is an artist that uses found imagery of fashion and beauty photography and overlays them with opaque embroidery that alters the original meaning of the photograph

Week 6 Replicating Photos of Others

Key Words

Symmetrical: a composition that is balanced and in harmony by mirroring evenly on either side of the frame.

<u>Random Composition:</u> an arrangement that has no deliberate

plan, resulting in intriguing visual narratives that challenge conventional perspectives.

<u>Colour</u>: plays a pivotal role in conveying emotion, setting and

mood, it adds depth to visual compositions through is hues, contrasts and harmonies.



Adam Voorhes https://www.voorhes.com/ the photography due Adam Voorhes and Robin Finlay explore still-life, food and beverages

Week 7 Capturing & Recording

Key Words

Collage: describe both the technique and resulting work of art in which pieces of paper, photographs or other materials are arranged and stuck down onto a supported surface. **Scale:** Scale refers to the relative size of an element in a design when compared to other elements. **Destroy:** Destroying or vandalising of any art

work is intentional damage to create a chosen effect.



https://www.behance.net/gallery/78402901/NIKE-<u>REACT-IG-</u> CAMPAIGN

Week 8 Recording & Refining

Key Words

<u>Photoshop Brushes</u>: is a digital paintbrush, allowing you to add, modify, and retouch elements in your images with precision and creativity.

<u>Surface:</u> refers to the tangible structure/texture of a image/painting area or digital or hand drawn paper upon which

one works to create an image.

<u>Manipulate:</u> is a process of digitally or physically editing an image to make it appear different.





https://www.behance.net/mozolewski

Week 9 Recording & Refining

Key Words

<u>Abstract Design:</u> In the abstract style, various elements of design are put together to create an interesting composition that could lead the viewer to think or react in a certain way, even though it doesn't look like a specific object.

<u>Bleed:</u> In the print design world, bleed is printing that goes beyond the edge of where the sheet will be trimmed.

<u>Colour</u>: Using colour in graphic design to create contrast is

powerful for three main reasons: Colour contrast attracts the eye because it creates visual interest. Conflicting colours look like glaring errors, while complementary colours are subtle yet clear to the subconscious mind.



https://www.behance.net/gallery/49519061/Mo tivation- poster



Week 10 Recording & Refining	Week 11 Recording & Refining	Week 12 Refine- Final Piece
Key Words	Key Words	Key Words
Gradient: The Gradient Tool creates a gradual blend between multiple colours. You can choose from present gradient fills or create your own. Tone: Use layers to perform tasks such as compositing multiple images, adding text to an image, or adding vector graphic shapes. Add a layer style for special effects, such as a drop shadow or a glow, or sharpen objects; change the opacity of a layer to make the content on it partially transparent. Design: design, refers to something that is or has been intentionally created, although it is sometimes used to refer to the inherent nature of something – its design	Adolescent: a young person in the process of developing from a child to an adult. Doddle: to waste time: idle: trifle or loiter, in this case to doddle on a piece of paper to kill time! <u>Illustration:</u> a picture or diagram that helps make something clear and attractive.	Era: An era is a span of time defined for the purposes of chronology or historiography. Youthhood: the fact, condition, state, or time of being Self-Reflection: Self-reflection is like looking into a mirror and describing what you see. It is a way of assessing yourself, your ways of working, thinking, influences and behaviours.
		Flyers, Objects and Ephemera Incorporating over 15,000 flyers and zines documenting historic concerts, raves and events from Hispits to 210ne, to Acid House, the Subclurer Archives thronicles the design self expression through printed and paper moral panic stricken newspaper front covers, all browsable online.
https://www.pinterest.co.uk/zeka_design/	https:// <u>www.markpowellartist.com/</u>	<u>mips://www.museumotyoutnculture.com/</u>

Weeks 3 and 4	Weeks 5 and 6
 Avatars: Manifestations of the Trimurti into different aspects. Each of the Trimurti has thousands of Avatars that exemplify particular aspects of that god. E.g. Ganesh, the Elephant headed god of prosperity and wisdom is an Avatar of Shiva. Murti: Statues used to house the Avatars. Used in temples and at home as a focal point of Hindu Worship. Murti are treated with great reverence and respect. Puja: Ritual offerings made to Murti statues where each offered item carries particular meaning and significance. E.g. Flowers represent life and beauty. 	Lesson 3 - Euthanasia Karma: The Hindu belief in the cosmic recording of our good and bad actions in life. Karma affects the state of your soul's rebirth. Caste: The Hindu cultural class system which is divided into multiple levels. Your caste is determined by your karma and so there are very strict rules around marriage and employment. Moksha: The end to the cycle of rebirth where a Hindu's soul becomes one with Brahman. This is the goal of all Hindus
Weeks 9 and 10	Weeks 11 and 12
 Key features of the Hindu temple: Murti - statues of deities used in devotional worship. Shrines - alcoves and altars where the Murtis are placed. Arti Lamps - lit butter lamps used as part of ritual practices. Bells - used to awaken the deities. Prayer Hall - gathering space for Hindu worship. Vedas - Sacred texts of Hinduism. 	 The Hindu festival of Light One of the principle religious festival in Hinduism that is also observed by other Eastern religions too. Purpose: Diwali retells the mythical story of the hero Rama rescuing the princess Sita from the demon king Ravana. Practices: Hindus decorate their homes with lights and colours, exchange new clothes, give sweet treats to neighbours and gather as families to pray at the temple. Firework displays are often used to celebrate Diwali.
	Weeks 3 and 4Avatars:Manifestations of the Trimurti into different aspects. Each of the Trimurti has thousands of Avatars that exemplify particular aspects of that god.E.g. Ganesh, the Elephant headed god of prosperity and wisdom is an Avatar of Shiva.Murti:Statues used to house the Avatars. Used in temples and at home as a focal point of Hindu Worship. Murti are treated with great reverence and respect.Puja: Ritual offerings made to Murti statues where each offered item carries particular meaning and significance. E.g. Flowers represent life and beauty.Key features of the Hindu temple:Murti - statues of deities used in devotional worship.Shrines - alcoves and altars where the Murtis are placed.Arti Lamps - lit butter lamps used as part of ritual practices.Bells - used to awaken the deities.Prayer Hall - gathering space for Hindu worship.Vedas - Sacred texts of Hinduism.



Weeks 13 and 14

Meditation:

The practice of mindfulness aimed at helping a Hindu gain a better understanding of God and creating a deeper connection with the universe.

Yoga:

More than just stretching! Yoga practices use posture and endurance to encourage meditative states of mind.

Westernisation:

The act of making things acceptable for Western audiences.

and Y (side) axis have

titles and units!

Title

graph with a

pencil and a

ruler!

00

6 8 10

Time (min) 🗲

Year 10 Science Knowledge Organiser Learning Cycle 1



Refer to the original hypothesis – does the data support this?

small. neat

Axis: Independent

variable in the X-

axis with unit.

When evaluating think of the positives and negatives of the method (the validity - did they use enough controls? And of the results – were results reliable, accurate, reproducible?) and come to an

Week 1

Week 2

Homeostasis Reflex – automatic and rapid response to a stimulus, which minimises any damage

Synapse - Gap between neurons

Neurones – cells that carry information as **electrical impulses** in the nervous system

Central nervous system (CNS) – consists of the brain and spinal cord.

Cerebral Cortex – Outer, highly folded part of the brain that **controls conscious thought**

Cerebellum – Controls movement, balance and muscular activity

Medulla – Controls **unconscious activities** such as heart rate and breathing rate.

Accommodation – The process of changing the shape of the lens to focus on near or distant objects Pupil reflex – The size of the pupil changes in response to bright or dim light

Homeostasis – maintenance of a steady internal environment, involving regulation of the conditions inside your body and cells

Hormone - Chemical messenger produced in endocrine glands

Endocrine system – made up of glands that secrete **hormones** into the **blood stream** and carries them to the **target organs**.

Target organ - The organ with receptor molecules on its cell surfaces which recognise a specific hormone.

Week 3

Homeostasis

Glycogen – Animals **store glucose** as glycogen in their **liver** and **muscle** tissues.

Insulin – A hormone that regulates the level of sugar in the blood

Diabetes - A serious disease in which the body is **unable** to **regulate blood sugar**.

Glucagon – A hormone that causes the conversion of glycogen to glucose

Vasodilation – Blood vessels near the surface of the skin **widen**, allowing **more blood** to flow through them

Vasoconstriction – Blood vessels near the surface of the skin **constrict**, allowing **less blood** to flow through them

Urea – excess proteins are deaminated in the liver to form ammonia, which is converted into urea

Ultrafiltration – process by which the glomerulus filters water, ions, glucose and other small molecules from the blood.

FSH – Causes an egg to mature in the ovary

LH – Stimulates the **release** of an **egg** from the ovary **Contraception** – methods of **reducing** the likelihood of **sperm** reaching an **ovulated egg**

IVF - brings **sperm** and the **egg together** to create an **embryo**, which is placed into the woman's womb **Auxin** – a **plant hormone** that **controls growth** near the tips of shoots and roots.

Pyramid of biomass – a **diagram** showing the relative amount of **biomass** at each **trophic level**

Efficiency of biomass transfer (%) = biomass transferred to the next level/biomass available at the previous level x 100

Decomposers – organisms that help the process of decomposition, eg. Bacteria and fungus

Decay - When plants wither and die.

Decomposers - Organisms which **eats dead** organisms, fallen leaves, animal droppings, and breaks them down into simpler materials.

Biogas – produced by **anaerobic decay** – mainly made up of **methane**

Global warming – gradual increase in average temperature of the Earth's surface

Biodiversity – the **variety** of **different species** on Earth, or within an ecosystem

Deforestation - cutting down of forests

Food security – having enough food to feed a Population

Intensive farming - Farming methods that usually involve **monoculture** (growing one crop) and using **pesticides** and **fertilisers** to improve crop yield.

Sustainable - An activity which **does not** consume or destroy resources or the environment.

Biotechnology - use of **selective breeding** and **genetic modification** techniques in farming.

Week 4	Week 5	Week 6
 Structure and bonding Particle Model Solids are regularly arranged with particles close together that vibrate on a fixed spot. Liquids are randomly arranged with particles close together that move around each other. Gases are randomly arranged with particles far apart that move quickly in all directions. Changes of State (s) - solid (l) - liquid (g) - gas (aq) - aqueous The amount of energy needed to change state is linked to the strength of the force of attraction between the particles; stronger force = higher melting/boiling point. Ions: Metals lose electrons to form positive ions. Non-metals gain electrons to form negative ions. 	Structure and bondingIonic compoundsHave a giant ionic lattice structure.Have high melting points and high boiling points.Conduct electricity when molten or dissolved in a solution.Metallic CompoundsHave high melting points and high boiling points (except mercury)Are good thermal conductors and electrical conductors.Are relatively soft and malleable.Alloys are mixtures of a metal with at least one other element and are relatively harder than pure metals.Simple Molecular SubstancesHave high melting points and low boiling points and don't conduct electricityGiant Covalent StructuresHave high melting points and high boiling points.Do not conduct electricity (except graphite).Diamond, graphite and graphene are examples of giant covalent structuresIonic Bond: electrostatic force of attraction between oppositely charged ions. Metallic Bond: electrostatic force of attraction between the regular lattice of metal cations and the delocalised electrons. Covalent Bond: a shared pair of electrons between two non-metal ions.	 Structure and bonding Polymers Are very long chains of repeating units. Are typically solid at room temperature. Nanotechnology Uses include medicines, cosmetics, sun cream, deodorants, electronics and as catalysts. Have a high surface area to volume ratio. Chemical changes Acids and Alkalis Acids produce hydrogen ions (H+) in aqueous solutions. Alkalis produce hydroxide ions (OH-) in aqueous solutions. Strong acids fully ionise in aqueous solutions. Weak acids partially ionise in aqueous solutions. Itrations Burettes and pipettes are used to measure volumes of solutions as they are more accurate. 1000cm³ = 1dm³ moles = concentration x volume Allotrope: different structural form of an element. Intermolecular force: a relatively weak force that holds molecules together.

Week 7	Week 8	Week 9
 Chemical changes Reactivity of Metals The reactivity of a metal is determined by how easily it forms a positive ion, Heating with carbon is used to extract metals less reactive than carbon from their ores. Electrolysis is used to extract metals that are more reactive than carbon from their ores. Oxidation and Corrosion Corrosion is when a metal is oxidised. Rusting is when iron corrodes in the presence of oxygen and water. Corrosion is prevented by creating a barrier or sacrificing a more reactive metal. Electrolysis Positive ions (cations) are attracted to the negative electrode (cathode) where they are reduced. Negative ions (anions) are attracted to the positive electrode (anode) where they are requires the ore to be mixed with cryolite to lower the melting point of the ore. Electrolyte: a liquid or solution that conducts electricity 	 Electricity Friction between two insulating materials can produce a static charge. A negatively charged insulator has gained electrons, whilst a positively charged one has lost electrons. A charged object creates an electric field around itself, which will exert a force on any charged objects entering the field. Objects with opposite electric charges will attract one another; those with the same charge will repel. A spark is caused when the potential difference between the charged object and the Earth is great enough to ionize the air. Potential Difference (Voltage) is the difference in energy per unit charge across 2 points in a circuit. It is measured in volts (V) using a voltmeter. In a series circuit the potential difference across the power supply equals the total potential difference across the components. Circuit components make the flow of current more difficult. This is known as resistance, measured in Ohms (Ω). 	 Electricity The resistance of a wire increases with increasing length but decreases with increasing diameter. Filament lamps are designed to have very high resistance. Thermal energy is stored in the filament, making it hot enough to glow. Types of resistor: In an Ohmic conductor, current is directly proportional to potential difference at a constant temperature. In a filament lamp, resistance increases as temperature increases. This reduces the current at high potential differences. A diode is a component that only allows current to flow in one direction. The resistance of an LDR (Light Dependent Resistor) decreases as light intensity increases. The National grid transfers energy from a power station; through a step up transformer (greatly increasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference); through transmission lines; through a step down transformer (greatly decreasing the potential difference);

Week 10	Week 11	Week 12
 Waves and the Electromagnetic spectrum Waves transfer energy and information, but not matter. Transverse waves oscillate at right angles to the direction of travel. Longitudinal waves oscillate in the same direction as the direction of travel. The amplitude of a wave is its maximum displacement from its rest position. Wavelength (λ) is the distance between the same point on two adjacent waves. Frequency is the number of complete waves passing a fixed point per second. The unit of frequency is the Hertz (Hz), where 1 wave per second = 1Hz. The period of a wave is the time taken for one complete wave to pass a fixed point. At the boundary between two materials, a wave might be absorbed, reflected or transmitted. Sound waves travel through particle vibrations in solids, liquids or gases. Sound waves travel faster through more dense media. Hearing is a result of vibrations transferred to the ear drum. Human hearing is typically limited to a frequency range of 20Hz to 20kHz. Ultrasound waves have a frequency greater than 20kHz and are used for imaging. Seismic waves are produced by earthquakes. P- waves are longitudinal whilst S-waves are transverse. 	 Waves and the Electromagnetic spectrum Electromagnetic waves travel faster in less dense media. Electromagnetic waves form a continuous spectrum, with their wavelength decreasing as their frequency increases, radio waves having the longest wavelength and gamma rays the shortest. Radiowaves are produced by oscillations in electrical circuits and are used for communication and broadcasting. They can also induce oscillations in circuits. Gamma rays are produced by changes in atomic nuclei. Other electromagnetic waves are produced by changes in atomic nuclei. Other electromagnetic waves are produced by changes in the energies of electrons. Microwaves are used for communication and for cooking food. Infrared radiation is used for heating, cooking food and thermal imaging. Visible light is used in fibre optic communication. Ultraviolet radiation is used to detect security inks and in tanning lamps. X rays and gamma rays are both used in medical imaging and in radiotherapy treatment. 	 Lenses and visible light Convex lenses cause light to converge at the principal focus. The distance from the centre of the lens to the principal focus is the focal length. Concave lenses cause light to diverge. Specular reflection occurs at smooth surfaces, the reflected light travelling in one direction only. Diffuse reflection occurs at rough surfaces, the reflected light travelling in many directions. Filters absorb some wavelengths of light and transmit those of the same colour as the filter. The colour of opaque objects is determined by the wavelengths of light they reflect; other wavelengths are absorbed. All objects emit and absorb infrared radiation. A perfect black body absorbs all the radiation falling on it. The intensity and wavelength of emissions depends on the temperature of an object. A body in thermal equilibrium with its surroundings will have a constant temperature and is emitting and absorbing radiation at the same rate.

SPANISH

Classr	Questi	on words	
Español	Inglés	Español	Inglés
¿Cómo se dice en español/inglés?	How do you say in Spanish/ English?	żQué?	what
¿Cómo se escribe?	How do you spell?	¿Cómo?	how
¿Cómo se pronuncia?	How do you pronounce (it)?	¿Por qué?	why
¿Me das ?	Can you give me?	¿Dónde?	where
¿Puedes repetir?	Can you repeat that?	¿Adónde?	where to
¿Puedo ir a mi clase de música?	Can I go to my music class?	¿De dónde?	where from
(No) entiendo	I (don't) understand	¿Cuándo?	when
Lo siento	l'm sorry	¿Cuánto/a?	how much
(Casi) he terminado	I have (almost) finished	¿Cuántos/as?	how many
por favor	please	śCuál?	which
gracias	thank you	żQuién?	who
Objetos en la clase	Classroom objects	¿A qué hora?	at what time
un bolígrafo	a pen		
una regla	a ruler		
un cuaderno	an exercise book		

Phonics - Sound Symbol Correspondence (SSCs)

These sounds never change!

a = cat = egg i = feet o = hot u = woo

ca - <u>ce</u> - <u>ci</u> - co - cu

Stick your tongue out like the English /th/ for /ce/ and /ci/ and also z, /que/ = ke - /qui/ = key

ga - <u>ge</u> -<u>gi</u> - go - gu

Soft /g/ sound, except for /ge/ and /gi/ these are pronounced like a Spanish /j/ in the back of your throat. Soft /gue/ = get and /gui/

= <u>gee</u>se

h = silent, II = like an English y, v like an English b, ñ = ny, roll your rs if they come at the beginning of a word, or are a double rr



Week 1 – Past Holidays

1. Past holidays On holiday De vacaciones ¿Adónde fuiste? Where did you go? El año pasado Last year El verano pasado Last summer fui a .. I went to ... España Spain The Balearic Islands las Islas Baleares las Islas Canarias The Canary Islands América Latina Latin America Reino Unido UK I stayed in England Me quedé en Inglaterra ¿Cómo viajaste? How did you travel? Viajé en... I travelled by... avión plane coche car boat/ferry barco a pie on foot train tren flight vuelo tube train metro

Week 2 – Past Activities

Week 3 – Key Verbs

2. Essential verbs		
¿Qué hiciste?	What did you do?	
fui	l went	
fue	it was	
vi	l saw	
tuve	l had	
hice	l did	
lo pasé bomba	l had a blast	
lo pasé mal	I had a bad time	
me divertí	I had fun	
había	there was/were	
The we	eather	
hizo calor	It was hot	
hizo frío	It was cold	
hizo sol	It was sunny	
hizo viento	It was windy	
hizo buen tiempo	It was good weather	
hizo mal tiempo	It was bad weather	
llovió	It rained	
hubo nieve	It snowed	

3. Key verbs		
ir (a)	to go (to)	
viajar	to travel	
descansar	to relax	
escuchar música	to listen to music	
comer	to eat	
beber	to drink	
visitar	to visit	
tomar el sol	to sunbathe	
escribir	to write	
bailar	to dance	
ver	to see/watch	
comprar	to buy	
ir de compras	to go shopping	
pensar/ creer	to think/ believe	
querer	to want	
salir	to leave/ to go out	
tomar el sol	to sunbathe	
pasar	to spend (time)	
volver	to return	
disfrutar	to enjoy	
divertirse	to have fun	
pasar	to spend (time)	
perder	to lose/ miss	
romper	to break	
conocer	to meet	
	10111001	

SPANISH

Week 4 – Opinions in the Past

4. Opinions in the past		
¿Cómo te fue?	How was it?	
Fue guay	It was cool	
Me gustó	l liked it	
Me encantó	l loved it	
¿Por qué?	Why?	
Perdí	I lost/ missed	
el vuelo	the flight	
mi móvil	my mobile	
mi maleta	my suitcase	
mi pasaporte	my passport	
mi tarjeta de crédito	my credit card	
mi cámara	my camara	
mi reloj	my watch	
Key adverbs		
a menudo	often	
a veces	sometimes	
demasiado	too	
en seguida	straight away	
más	more	
menos	less	
no obstante	nevertheless	

Week 5 – Places in Town

5. Places in town		
En la ciudad	In town	
¿Qué hay en tu ciudad?	What's in your town?	
hay	there is	
no hay	there is(n't)	
un castillo	a castle	
un parque	a park	
un centro comercial	a shopping centre	
un campo de fútbol	a football pitch	
una biblioteca	a library	
una playa	a beach	
una piscina	a pool	
una plaza	a town square	
una tienda	a shop	
un mercado	a market	
un supermercado	a supermarket	
un cine	a cinema	
un centro comercial	a shopping centre	
el puente	the bridge	
la calle	the street	

la plaza

the square

Week 6 – Locations

6. Locations				
Dónde está?	Where is it?			
Está	It is			
el norte	the north			
el sur	the south			
el este	the east			
el oeste	the west			
el suroeste	the southwest			
el campo	in the country			
las montañas	the mountains			
la ciudad	the town			
al lado del mar	by the sea			
la costa	on the coast			
las afueras	the suburbs			
Superlatives				
lo bueno	the good thing			
lo malo	the bad thing			
lo mejor	the best thing			

SPANISH

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Weel	K / —	Dire	Ctic	

Week 8 – Description of Town

How do I get to?				
where is?				
it is far away				
it is near				
the end of				
to/on the right				
to/on the left				
continue				
turn				
take				
go past				
Cross				
catch				
the first street				
the second street				
the third street				

8. Key prepositions		
a	at	
cerca de	near	
lejos (de)	far (from)	
durante	during	
fuera de	outside/out of	
hacia	towards	
hasta	until	
para	for/in order to	
por todas partes	everywhere	
por /a través de	through	
sin	without	

Week 1

Components of Fitness

- Components of fitness are individual attributes or skill sets that enables an action to be completed. Specific test can be used to measure these.
- Everyone's fitness level will differ depending on the particular sports they play.
- Each activity has its own set of fitness requirements that the individual must meet in order to compete with others.
- Team games often require a combination of multiple components of fitness.

The 11 components of fitness are:

Cardiovascular	Speed
Endurance	
Muscular Endurance	Strength
Co-ordination	Power
Reaction Time	Agility
Balance	Flexibility

Week 2

Fitness Testing The Multi-Stage Fitness Test (Bleep Test): Testing for **cardiovascular endurance/stamina**



Protocol:

 The athlete performs a 20m progressive shuttle run in time with a beep, to the point of exhaustion.

The level reached depends on the number of shuttle runs completed and is ascertained from a standard results table.

The 12-minute Cooper run test

Testing for cardiovascular endurance/stamina

12-minute cooper run



• This requires athletes to run as far as they can in 12 minutes and the distance covered is recorded and compared to a standardised table. In this test the performer runs to exhaustion.

Protocol:

- When instructed start running at own pace.
- After 12 minutes has passed measure total distance covered.

Week 3 and 4

Fitness Testing

Number of sit-ups completed in 30 seconds Testing for muscular endurance

 This is a 30 seconds test to assess the muscular endurance of the abdominals
 Protocol:



- The athlete assumes the sit up position.
- Raise yourself up to a 90 degrees position and return to the floor.
- Perform as many as possible in 30 seconds.
- Record the number of repetitions completed.
- •

One-minute press-up test (push up)

This one-minute test assesses the muscular endurance of the Triceps, Deltoid and Pectorals.



Protocol:

- The athlete assumes the pressup position.
- Perform as many as possible in 1 minute.
- Record the number of repetitions completed.



Week 3 and 4

Fitness Testing

Fitness Testing

Testing for **speed** 30m Sprint Test

This test is designed to measure speed over a set distance (30 m) Protocol:

- Perform a thorough warm up.
- When signalled to begin sprint maximally for the required distance.
- The fastest trial is recorded.

Testing for Strength Hand grip dynamometer test

This test measures the static strenath of the performer hand grip in one action Protocol:

- Adjust the hand grip so it is comfortable
- Stand with your arms by y
- Squeeze the grip lever has hard as possible for 5 seconds.
- Carry out three trials to determine the best score.

Testing for **Power** Vertical jump test (Sargent jump test) This is a test of the anaerobic power of the auadriceps. Jump height can be manually or diaitally recorded on a vertical iump

board Protocol

- Performers to reach up to highest point without • aoina onto tiptoes. This is marked.
- Jump vertically and touch highest point on the wall/board.
- The score is the difference between the 2 measurements. Repeat 3 times and obtain averaae.

Testing for Power Standing long jump test

This is a test of explosive power of the legs. The aim of the test is to jump as far as possible while landing on both feet. Protocol.

- Subjects begin by standing behind the start line feet shoulder wide apart.
- Take off two footed, swinging your arms to create a forward drive.
- Measurement is taken from the nearest point of contact from the back of the heels.

Fitness Testina

Testing for **Agility** Illinois Agility Test This is an important component of man team sports, though is not always tested. and is often difficult to interpret results. Protocol.



- Performers start at the first cone on • their fronts
- On the whistle subjects should follow the • agility course.
- Performers are timed from start to finish.

Testing for **Balance**

Standing Stork Test The standing stork test monitors the progress of the athletes' ability to maintain balance in a static position. Protocol:



- Subject must remove their shoes and socks.
- Lift the right leg and place the sole of the right foot against the side of the left

kneecap. The athlete raises the heel of the left foot to stand on their toes.

- The athlete is timed holding this position for as long as possible.
- The moment the position is lost the timer is stopped.











Weeks 3 and 4

Testing for **Flexibility Sit and Reach Test** This test is an indirect measure of the

measure of the range of movement at the hips, hamstring and lower back.

Protocol:

- Legs straight with feet flat against the box.
- Push marker as far as possible without bending your knees
- Best of three trials shoul

Testing for Coordination Anderson wall toss test

This is a test of handeye coordination, where the participant throw a ball against a wall and attempt to catch it with the opposite hand.

Protocol:

- Stand facing the wall.
- Throw the ball underarm against the wall from right to left hand. Alternate the hands
 - from right to left and left to right.
- Count the number of completed catches in 30 seconds.

Testing for **Reaction Time Ruler Drop Reaction Test** This is a simple method of assessing reaction time. This involves a ruler dropping and the subject reacting to it by catching it.

Protocol:

- A ruler is held by the assistant between the outstretched index finger and thumb of the athlete's dominant hand.
- Ensure the top of the thumb is level with the zero- centimetre line on the ruler.
- Ruler is released and measurement (cm) is taken from the point caught on the ruler.
 Compliance with test procedures.



In order to compare the results from fitness tests **normative data tables** can be used. This is also known as **benchmarking data** and is collected from a number of studies to allow you to make a judgement against.

 Normative data can be used as a way to assess the strengths and areas of improvement of a performer.

Reliability is a question of whether the test is accurate. It is important to ensure that the procedure is correctly maintained for all individuals to obtain a consistency of results

Other factors affecting reliability:

- Calibration of equipment
- Motivation of participant
- Conditions of the testing environment (inside vs outside conditions)
- Experience of the person administering the test

Validity relates to whether the test actually measures what it sets out to measure.



SPORT SCIENCE

Week 7 Week 8 Week 9 and 10 Aerobic exercise utilises Principles of training SMART Goals When setting goals, athletes should apply oxvaen to fuel the All training programmes should be designed body for long periods with principles of training in mind. They allow the SMARTER principle. the performer to train in an appropriate of work This includes way so gains are made. Specific – targets must The principles of training are. activities like: to the point. Walkina • S Frequency – how often you Joaaina Specificity train Cvclina Measureable – can it be Intensity - how hard Swimmina Progression vou train. measured and Aerobic exercise compared. Overload Intensity: I ow Time – how long you train for Duration: Long Reversibility Oxvgen consumption: Enough to meet the Type – the method of Achievable – the target training used demands must be challenging but Methods of trainina: Continuous and fartlek vet reachable. **FIT** Principle of overload Realistic – matched to Angerobic exercise the performers skill involves fuelling the Frequency - How often we train This is the level. body without using number of training sessions completed oxygen. over a period of time Time related – Set for a Activities like sprinting, Intensity - how hard you train Fitness agins are particular time to be weightlifting, jumping and throwing are only achieved if the body systems work completed. anaerobic in nature causes a build-up of hard enough. lactic acid (this causes fatigue) Time – how long you train for Each session must Anaerobic methods of training are high last at least 20 minutes to get any benefits. intensity and performed in short, rapid Type - the method of training used. The type of bursts. Aerobic exercise training used is dependent on the Intensity: High component **Duration:** Short of fitness the performer would like to Oxygen consumption: Not enough oxygen to improve. This also helps prevent tedium meet the demands Methods of training: HIIT, Interval, Plyometric & Resistance.

SPORT SCIENCE

Week 11 and 12

Fartlek Training

This means **Speed Play** in Swedish. It is a combination of different intensities. *i.e.* 30 seconds at 50% max, 30 seconds walking, 30 seconds at 80%.

Works on both aerobic and anaerobic fitness due to the varying intensities.

Fartlek training is used by team games

performers as it suits the movements necessary for a game. This can be completed over **different terrains**, woods, hills and roads, to create a variety of intensities.

Appropriateness

This type of training is good for events which alter the intensity of work, for example team games



Plyometrics training refers to any exercise that enables the muscle to reach maximal force in the fastest possible time. Plyometrics exercises cause the muscle to lengthen (eccentric action) before a maximal muscle shortening (concentric action)

takes about 8-10 weeks.

body.

Appropriateness

Strength gains through plyometrics usually

Plyometrics must be performed carefully

because it can be physically stressful on the

Excellent for jumping events and any sport

that requires elevating off the ground.



Weight Training

Strength training uses progressive resistance against a muscle group to cause hypertrophy.



Resistance band exercises place additional force against an accelerating muscle therefore making them work harder.

Free weights are not attached to a machine. They allow a constant resistance but the risk of injury is higher than fixed-resistance machines. Dynamic movements are common with free weights

Fixed resistance machines use stacks of weights attached through pulleys to offer resistance. Machine weights do not allow over extension of the muscle group and isolate target areas.

Appropriateness Weights can be adjusted to suit goal or intended outcome.

