Year 10

	Autumn		Spring		Summer	
Subject	**1st Half Term**	**2nd Half Term**	**1st Half Term**	**2nd Half Term**	**1st Half Term**	**2nd Half Term**
English Language	Writing Skills - narrative & creative How is the drafting and editing process of writing a skill to develop for GCSE and beyond?	Writing Skills - transactional Why is planning an effective use of time?	Reading for meaning Why are 'big ideas' so important?	Reading fiction and reading for meaning How are characters described within texts? Why are the language choices important?	Reading non-fiction Spoken Language Study What are the key messages within the texts and how can they be compared?	Writing Non-Fiction Spoken Language Study Why is this topic so important to you and how will you structure your speech?
English Literature	An Inspector Calls (Drama, first read, characters, plot and stage directions) How do we explore the language, themes and context of the play?	A Christmas Carol (First read, characters and plot) How do we explore the language, themes and context of the novel?	Macbeth How is the character arc of Macbeth developed and what is the message to the audience?	Power and Conflict poetry (provisional depending on exam board) How is conflict embedded in the poems you have studied?	All lessons to be redirected to English Language, as above.	All lessons to be redirected to English Language, as above.
Mathematics (Higher)	Calculations, checking and rounding Indices, roots, reciprocals and hierarchy of operations Factors, multiples, primes, standard form and surds	Sequences Averages and range Representing and interpreting data and scatter graphs Fractions and percentages	Ratio and proportion Polygons, angles and parallel lines Pythagoras' Theorem and trigonometry	Graphs: the basics and real-life graphs Linear graphs and coordinate geometry Quadratic, cubic and other graphs	Perimeter, area and circles Forms and volume Cylinders Cones and spheres Accuracy and bounds	Transformations Constructions, loci and bearings Solving quadratic and simultaneous equations Inequalities

	Algebra: the basics, setting up, rearranging and solving equations					
Mathematics (Foundation)	Integers and place value Decimals Indices, powers and roots Factors, multiples and primes Algebra: the basics Expressions and :itution into formulae	Tables, charts and graphs Pie charts Scatter graphs Fractions, decimals and percentages Percentages	Equations and inequalities Sequences Properties of shapes, parallel lines and angle facts Interior and exterior angles of polygons	Statistics, sampling and the averages Perimeter, area and volume Real-life graphs Straight-line graphs	Transformations Ratio Proportion	Right-angled triangles: Pythagoras and trigonometry Probability Multiplicative reasoning

Science (Combined / Triple B strands only for single science)	B2: Organisation What are the levels of organisation in living organisms? What role do enzymes play in human digestion? What are the main structures of the heart and blood vessels? What effect does lifestyle have on some non-communicable	B2: Organisation What are the levels of organisation in living organisms? What role do enzymes play in human digestion? What are the main structures of the heart and blood vessels? What effect does lifestyle have on some non-communicable	B3: Infection and response What are the four main types of microorganism that cause disease and how do they affect individuals? What are the first, second and third lines of defence our bodies have against pathogens?	B3: Infection and response What are the four main types of microorganism that cause disease and how do they affect individuals? What are the first, second and third lines of defence our bodies have against pathogens?	B4: Bioenergetics What is photosynthesis, what limiting factors are there and how can the rate of photosynthesis be measured? Where are aerobic, anaerobic respiration and fermentation used in everyday life?	B7: Ecology What do plants and animals compete for and how are they adapted to be successful at it? What are abiotic and biotic factors in an ecosystem? How can quadrats be used for random sampling? How can materials

	diseases? How do plant tissues differ from human tissues? C2: Structure and bonding P2: Electricity Within a circuit how are current, potential difference and resistance linked? What happens to the resistance across different components as current changes? How is electricity generated and supplied in the UK? What effect do electric fields have on charged objects?	diseases? How do plant tissues differ from human tissues? C3: Quantitative Chemistry How do we calculate structure of compounds and utilise this to calculate concentrations and molarity? P2: Electricity Within a circuit how are current, potential difference and resistance linked? What happens to the resistance across different components as current changes? How is electricity generated and supplied in the UK? What effect do electric fields have on charged objects?	How have modern drugs been developed? How are monoclonal antibodies produced and used? C4: Chemical changes How do you know a reaction has occurred? Can you make a soluble salt? Can you carry out a titration? What is electrolysis and why do we use it? P4: Atomic structure What is the current model of the atom and how has this changed over time? What effect does radioactive decay have on nuclei? What are the hazards of radiation? What are the reactants and products of nuclear fission and fusion?	How have modern drugs been developed? How are monoclonal antibodies produced and used? C5: Energy changes What are exothermic and endothermic reaction? How can you calculate the bond energy of a reaction? What is a battery and a fuel cell? P6: Waves What are the properties of waves and how do they travel in air, fluids and solids? How can sound waves be used for detection and exploration? What are the properties, uses and dangers of electromagnetic waves? How can lenses be used to change the nature of an object? What is black body radiation?	C6: Rate and extent of chemical change What is the collision theory? How can we manipulate it to affect the rate of reaction? Can you measure the rate of reaction and evaluate your results? P6: Waves What are the properties of waves and how do they travel in air, fluids and solids? How can sound waves be used for detection and exploration? What are the properties, uses and dangers of electromagnetic waves? How can lenses be used to change the nature of an object? What is black body radiation?	such as carbon and water be cycled? What is the impact of environmental change on the distribution of organisms? C6: Rate and extent of chemical change What is the collision theory? How can we manipulate it to affect the rate of reaction? Can you measure the rate of reaction and evaluate your results? P8: Space (triple only) What celestial objects are found in the solar system? What is the life cycle of low mass and high mass stars? What theories and evidence are there for how our Universe began?

Child Development	Health and well-being for child development What are the reproductive organs and what does a responsible parent look like?	Health and well-being for child development What is antenatal care? What are the stages of labour?	Health and well-being for child development What is postnatal care?	Health and well-being for child development How to recognise, manage and prevent childhood illness?	Health and well-being for child development How do you keep a child safe?	Working towards RO19 Internal Assessment – What equipment would you need for a nursery setting aged 0-12 months?
Computer Science	1.1 Systems Architecture What is the architecture of the CPU? What affects CPU performance? What are embedded systems?	1.2 Memory and storage What are the key differences between primary storage (memory) and secondary storage?	1.3 Computers networks, connections and protocols What are the main types of networks and topologies? What is the difference between wired and wireless networks. What is meant by network protocols and layers?	1.4 Network security What are the main threats to computer systems and networks and how do you identify and prevent vulnerabilities?	1.5 Systems software What is the purpose of an Operating System and Utility Software?	1.6 Ethical, legal, cultural and environmental impacts of digital technology What are the ethical, legal, cultural and environmental impacts of digital technology?

History	Weimar and Nazi Germany What impact did WWI have on Germany? What was the Weimar Republic? What threats did the Weimar Republic face?	Weimar and Nazi Germany How did Hitler change the Nazi Party between 1919 and 1923? Were the 1920s Golden in Germany? Why didn't people support the Nazi Party in the 1920s?	Weimar and Nazi Germany How did Hitler come to power? What was life like in Nazi Germany for children, women and minority groups? Did the Nazis face any opposition?	Superpower Relations and the Cold War What were the origins of the Cold War? What were the early events of the Cold War between 1945 and 1953?	Superpower Relations and the Cold War What were the main Cold War crises?	Superpower Relations and the Cold War What was the period of Détente? Why did the Cold War come to an end?

Geography	Urban issues and challenges (unit 2.1) *What issues does continued urbanisation cause people and the environment?* Case study: Rio de Janeiro Case study: London	UK landscapes (unit 1.3) *How have our UK landscapes formed?* Options – Coastal landscapes and river landscapes	UK landscapes (unit 1.3) *How have our UK landscapes formed?* Options – Coastal landscapes and river landscapes	Natural Hazards (unit 1.1) *How do natural events affect our human geography?* Case studies: Typhoon Haiyan Earthquakes: New Zealand & Nepal	Natural Hazards (unit 1.1) *How do natural events affect our human geography?* Case studies: Typhoon Haiyan Earthquakes: New Zealand & Nepal Fieldwork Scarborough	The Changing Economic World (unit 2.2) *How do levels of development affect our global community?* Case study of an NEE: Nigeria
French	Relationships with family and friends	Free time: sport, music, TV, cinema and reading	Technology. Festivals in French-speaking countries	Festivals in French-speaking countries. My school	Life at school C'est comment, ton collège ?	Jobs and future careers. Revision

	Qui sont plus importants, la famille ou les copains ? Who are more important, family or friends?	Qu'est-ce que tu aimes faire ? What do you like to do?	Quels sont les avantages et les inconvénients de la nouvelle technologie ? What are the advantages and disadvantages of new technology?	Quels sont les fêtes importantes en France ? What are the important celebrations in France?	What is your school like?	Qu'est-ce que tu vas faire à l'avenir comme emploi ? What are you going to do in the future for a job?
German	Schule Wie findest du die Schule? (What do you think about school?)	Freizeit Was machst du in deiner Freizeit? (What do you do in your free time?)	Familie und Freunde Wie verstehst du dich mit deiner Familie und Freunden? (How do you get on with your family and friends?)	zu Hause Wie verstehst du dich mit deiner Familie und Freunden? (How do you get on with your family and friends?)	zu Hause Wo wohnst du? (Where do you live?)	zu Hause Wo wohnst du? (Where do you live?)
Religious Studies	Christianity: Beliefs and teachings. What does Christianity teach us about crime and punishment?	Christianity: Beliefs and teachings. What does Christianity teach us about crime and punishment?	Christianity: Practices. Themes in Religion: peace and conflict. What influence does religion have on peace and conflict around the world?	Christianity: Practices. What influence does religion have on peace and conflict around the world?	Themes in Religion: Religion and life. What impact does religion have on human rights and social justice?	Themes in Religion: Religion and life. What impact does religion have on human rights and social justice?
P.E.	Applied anatomy and Physiology P1 The structure and function of the musculoskeletal system; develop a good understanding of key body systems, their impact on	Applied anatomy and Physiology P1 Physical Training; The 10 Components of fitness; Agility, Balance, Power, C.V endurance, R.time, coordination,	Applied anatomy and Physiology P1 Structure and function of cardiorespiratory system; The mechanics of	Health Fitness and Well being P2 Energy use, diet, nutrition and hydration; Somatotypes; the 3 types, their descriptions and identification within	Socio cultural Issues in Physical activity and sport P2 Engagement patterns Commercialisation; What are the factors affecting participation in sport? Sponsorship,	Socio cultural Issues in Physical activity and sport P2 Ethical Issues, commercialisation, psychology. Technology in sport; Performer, spectator, officials and the link

	health, fitness and performance in sport. Movement analysis; Can you identify 2 antagonistic pairs?	flexibility & m.endurance. Aerobic and anaerobic exercise; What is he difference between the 2 systems, which sporting activities can you put under each?	breathing both at rest , during and after exercise. Lung volumes; expiratory and inspiratory reserves. Can you label the structure of the heart and give its roles and functions?	different sports and positions. What are the different food types needed in a balanced diet and what does each food group supply?	media and the 'Golden' Triangle show how money can be made by sporting events e.g Olympic Games. What are the positive and negative impacts of the media and sponsorship?	with positive and negative impacts of each. Hooliganism and conduct of performers. How does a football club combat the impacts off spectator behaviour if its negative?
Design Tech (3D Design Art and Design)	Intro to the assessment objectives. What a sketch book could look like. How is the Exam broken down to make your GCSE grade?	Chris Gilmour, Card Sculpture. Design communication How do you make structures in cardboard modelling? What techniques can you use?	Metal skills Wood skills Plastic skills Explain how to cut and shape resistant materials safely and accurately.	Everyday Objects project What does scale mean? How do designers represent scale on their work?	Jewellery Project Explain how materials can be manipulated in multiple ways?	Jewellery Project How can you incorporate CAD and CAM to improve the quality of your outcome? .
Hospitality and Catering	Understanding the Hospitality environment What is the difference between Hospitality and Catering?	Food safety and legislation Baking Why do employers have to follow legislation?	Environmental issues and customer needs Pastry What is an EHO and what do they do?	Quality Assurance and commodities Breads What order do you receive and store different foods? Do you know why?	Exam Preparation (1st Attempt) Sauces How does your exam affect your overall grade?	Exam Revision (1st Attempt) Meats and Fish How do you write an extended exam question?

Drama	Elephant Man – Stanislavski - The System. What is the Stanislavski system? Can you use the system to enhance characterisation, vocal and physical skills in an individual performance (monologue)?	Brecht and devising. What is the purpose of Epic theatre in today's society? How can Brechtian techniques enhance your own devised work for examination?	Component 1 – Devising from exam board released stimuli. Working in a group of between 3 and 5. Can you create, develop and perform your own devised piece to a high standard in the style of Brecht?	Rehearsal and performances recorded for Component 1. Can you maintain rehearsal in a group through resilience and co-operation with others, whilst analysing your work and reshaping ideas to meet the exam criteria?	Portfolios and evaluations for Component 1. Can you evidence your devising process and evaluate your personal contributions to rehearsal and final performance?	Physical Theatre, theatre visit and writing theatre reviews. How can you use physical expression in performance to communicate deeper meanings to an audience? How does live theatre affect you and an audience, taking all aspects of production into account?
Art	<u>Altered Nature Project 1</u> How can we 'alter nature' in a visual way?	<u>Altered Nature Project 1</u> How can we 'alter nature' in a visual way?	<u>Altered Nature Project 1</u> How can we 'alter nature' in a visual way? A04 Focus	<u>MOCK EXAM</u> What is a Mock Exam and how do I prepare?	<u>MOCK EXAM</u> What is a Mock Exam and how do I prepare?	<u>MOCK EXAM</u> What is a Mock Exam and how do I prepare?
Music	How can we use Musescore to help us to learn to read music and understand basic music theory? AOS 4 Which instrument can I play to create an ensemble of Africa by Toto? How are the musical elements used in the	AOS 4 How are the characteristics of blues music used in Rock and Roll? What makes a good chord sequence? How do I write a melody for my chord sequence?	AOS 3 How does a composer use musical elements to create an atmosphere to support the action in film music? How does a composer use the musical elements to represent a film character?	AOS 2 How is musical texture and sonority used in Musical Theatre? What are the characteristics of Jazz music? What is Chamber music and how does a composer decide on the instrumentation?	Composition. Can you compose your own piece of music? How will you score it? How will you make sure it is playable by your chosen instruments?	Composition. Can you compose your own piece of music? How will you score it? How will you make sure it is playable by your chosen instruments?

	set work Africa by Toto? Performance What does a good practise routine look like?	How do I add lyrics in muse score? How do we compare two versions of the same blues rock song?		How are the musical elements used in the set work Badinerie by Bach?		
Dance	Safe Dance Practice RADS Choreographic process, devices and form Can you demonstrate nce practice personally nd in the studio? What are the key components of dance choreography?	A Linha Curva Teacher choreographed performance Improving technique Can you analyse and evaluate all aspects of A Linha Curva? How can technique enhance the quality of a performance?	Shadows Duo/trio Chorography Can you analyse and evaluate all aspects of Shadows? Evaluate the impact of chorographic devices to enhance meaning in choreography.	Emancipation of Expressionism Exploration of styles Group choreography Can you analyse and evaluate all aspects of Emancipation of Expressionism? How can you use a stimulus as a starting point for choreography?	Within her eyes Site specific task Solo - Set Phrase Can you analyse and evaluate all aspects of With in Her Eyes? How can a site specific performance complement a stimulus?	Solo – Set phase Expressive and physical skills Set phrase exam How can you use physical and expressive skills to enhance your performance?