Year 10

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|  | **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 | | Algebra: the basics, setting up, rearranging and solving equations | | |  | | --- | | 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 | |
| Mathematics (Foundation) | |  | | --- | | Integers and place value | | Decimals | | Indices, powers and roots | | Factors, multiples and primes | | Algebra: the basics | | Expressions and substitution 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 | |

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| 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 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? | 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 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? | 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? 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? | 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? 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? | 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?  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? | 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 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? |
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| 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? |
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| 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  Qui sont plus importants, la famille ou les copains ?  Who are more important, family or friends? | Free time: sport, music, TV, cinema and reading  Qu’est-ce que tu aimes faire ?  What do you like to do? | Technology.  Festivals in French-speaking countries  Quels sont les avantages et les inconvénients de la nouvelle technologie ?  What are the advantages and disadvantages of new technology? | Festivals in French-speaking countries.  My school  Quels sont les fêtes importantes en France ?  What are the important celebrations in France? | Life at school  C’est comment, ton collège ?  What is your school like? | Jobs and future careers.  Revision  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 health, fitness and performance in sport.  Movement analysis; Can you identify 2 antagonistic pairs? | Applied anatomy and Physiology P1    Physical Training; The 10 Components of fitness; Agility, Balance, Power, C.V endurance, R.time, coordination, flexibility & m.endurance.  Aerobic and anaerobic exercise; What is he difference between the 2 systems, which sporting activities can you put under each? | Applied anatomy and  Physiology P1    Structure and function of  cardiorespiratory system; The mechanics of 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? | Health Fitness and  Well being P2    Energy use, diet, nutrition and hydration; Somatotypes; the 3 types, their descriptions and identification within different sports and positions. What are the different food types needed in a balanced diet and what does each food group supply? | Socio cultural Issues in Physical activity and sport P2      Engagement patterns Commercialisation; What are the factors affecting participation in sport? Sponsorship, 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? | Socio cultural Issues in Physical activity and sport P2    Ethical Issues, commercialisation, psychology. Technology in sport; Performer, spectator, officials and the link 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 | Altered Nature Project 1  How can we ‘alter nature’ in a visual way? | Altered Nature Project 1  How can we ‘alter nature’ in a visual way? | Altered Nature Project 1  How can we ‘alter nature’ in a visual way? A04 Focus | MOCK EXAM  What is a Mock Exam and how do I prepare? | MOCK EXAM  What is a Mock Exam and how do I prepare? | MOCK EXAM  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 1 What is the  rhythm of  Badinerie?  AOS 4  Which instrument  can I play to create an ensemble of  Africa by Toto?  How are the  musical elements  used in the set  work Africa by  Toto?  Performance -  What does a good  practise routine  look like? | How do we read a  key signature?  What are diatonic  chords?  What makes a  good chord  sequence?  How do I write a  melody for my  chord sequence?  How do I add lyrics  in muse score?  How do we  compare two  versions of the  same song?  How does Bach  use the musical  elements in  Badinerie? | AOS 3  How does a  composer use  musical elements  to create an  atmosphere or  represent a  character?  How are the  musical elements  used in Badinerie?  AOS1  How do you  tell the difference  between baroque,  classical and  romantic music?  What is a musical  cadence?  What is an alberti  bass?  What are the  different structures  I need to know at  GCSE? | AOS 2  How is musical texture and sonority used in Musical Theatre?  What are the characteristics of Jazz and blues music?  What is Chamber music and how does a composer decide on the instrumentation?  How do you write a pop song? | 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?  What was your  compositional  process? | 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?  What was your  compositional  process? |
| Dance | Safe Dance Practice    RADS  Choreographic process, devices and form  How Can you demonstrate safe dance practice personally and 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?  C | 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? |