



Programme of Learning for Year 10 – Autumn Term

<p>RE</p> <p>FOUNDATIONAL CATHOLIC THEOLOGY – ORIGINS & MEANINGS</p> <p>The Bible, Dei Verbum (The Word of God), Genesis Creation stories, Imago Dei (Image of God), Creatio ex nihilo (Creates out of nothing), Big Bang Theory, Evolution, Michelangelo's 'Creation of Adam', Catholic Social Teaching, Stewardship, Abortion, Humanism, Specieism, CAFOD, SVP, Interfaith dialogue, Christian symbols.</p>	<p>English</p> <p>LITERATURE</p> <p>Macbeth: Explore stagecraft and characterisation; explain the effect on the audience and context. Analysis of short extracts from key scenes as a way in to discuss key themes and characters in the play. Cover Skills needed to complete exam.</p> <p>LANGUAGE</p> <p>Recap skills for Paper 1 & Paper 2</p>	<p>Maths</p> <p>HIGHER</p> <p>Volume, Circle Theorems, Trigonometry Recap and Review, Sine and Cosine Rules, Recap and Consolidation.</p> <p>FOUNDATION</p> <p>Graphs Recap and Extension, Properties of Polygons, Real Life Graphs, Inequalities, Recap and Consolidation.</p> <p>STATISTICS</p> <p>Review of Sampling, Review of Comparing Measures of Location and Spread, Review of Representation of Data, Recap and Consolidation.</p>	<p>Art/Graphics</p> <p>FASTENERS PROJECT</p> <p>To explore appropriate images related to Mexican or African art through research and technique. Develop a range of ideas that link visually to the artists/cultures. Explore a range of materials, techniques and processes based on fasteners. Four tile designs (for canvas and lino), exploring different compositions. Select one arrangement of at least 4 lino prints and develop – layered mounting, oil pastel, acrylic, biro, collage.</p>	<p>Language</p> <p>FRENCH: 2.1 HOME, TOWN, NEIGHBOURHOOD & REGION</p> <p>Where you live, places in a town, directions. Describing your home town/area – adjectives, activities. Tourist attractions/things to do. Plans according to the weather. Pros/cons of where you live – town vs country. How your area has changed. Ideal town.</p> <p>TRAVEL & TOURISM</p> <p>Holidays, destinations, activities, accommodation, opinions, weather. Where you stay, booking a room. Transport, buying tickets. Holiday activities now and in the past. Restaurants, reviews and ordering. Problems on holiday. Ideal holiday.</p> <p>SPANISH: STARTING POINTS</p> <p>Talking about free time activities. Talking about what you normally do. Talking about sports. Talking about TV and film. Talking about what's trending. Discussing different types of entertainment. Talking about who inspires you. Talking about what you will do with your friends/family.</p> <p>SPANISH: TOWNS & CITIES</p> <p>Talking about places in a town. Describing the features of a region. Improvements to your area. Planning what to do. Shopping for clothes and presents.</p>	<p>PE (GCSE)</p> <p>The structure and functions of the musculo-skeletal system. The structure and functions of the cardio-respiratory system. Anaerobic and Aerobic exercise. The long and short term effects of exercise</p> <p>PE Core</p> <p>Football, Handball, Netball, Rugby, Swimming</p> <p>PSHCE</p> <p>Citizenship, Relationship and Sexual Education, Health matters, Financial Education.</p>
<p>iMedia</p> <p>COURSEWORK PREPARATION</p> <p>Identify the purpose of given websites and the common features of websites, e.g. Navigation bar, rollover images, hotspots, login, accounts, banners, logo, housestyle, scrolling banners, media</p> <p>Identify the purpose, target audience and accessibility of each website. Use of devices & connection methods to access the internet.</p> <p>Drama</p> <p>Explore the key characteristics of Stanislavski, Brecht, Kneehigh Theatre Company, Frantic Assembly, Theatre de Complicité, and The Paper Birds. How to play specific characters.</p>	<p>Computing</p> <p>ETHICAL, LEGAL, ENVIRONMENTAL & PRIVACY ISSUES</p> <p>Investigate & discuss Computer Science technologies while considering: Ethical, legal, cultural, environmental & privacy issues. Know how key stakeholders are affected by technology. Understand the environmental impact & cultural implications of Computer Science. Describe open source & proprietary software. Know legislation relevant to Computer Science. Algorithm & programming practice. Producing robust programmes.</p>	<p>Geography</p> <p>HUMAN - CHANGING ECONOMIC WORLD</p> <p>Know the location and global importance of Nigeria. Understand the growth and changes to Nigeria's economy and explain the importance of manufacturing. Know why TNCs locate in Nigeria & understand the impacts of TNCs in Nigeria. Understand the need for & impact of aid in Nigeria. Understand the impact of rapid development on the quality of life in Nigeria.</p> <p>PHYSICAL - CHALLENGE OF NATURAL HAZARDS</p> <p>Know the characteristics of natural hazards. Know the factors strengthening the greenhouse effect & the impacts of climate change. Know the key terms of adaptation and mitigation. Understand the ways to manage climate change. Know where tropical storms are found & the conditions needed to form tropical storms. Know & understand the cause and location of hurricane Florence and the responses to it.</p>	<p>Science</p> <p>BIOLOGY</p> <p>(Combined and Triple)</p> <p>Immune System & disease: Human defence responses, Vaccination, Antibiotics & painkillers, Non-communicable diseases, Cancer, Smoking and the risk of disease, Diet, exercise and disease, Alcohol and other carcinogens. Triple only: Making monoclonal antibodies and their use.</p> <p>CHEMISTRY</p> <p>(Combined and Triple)</p> <p>Qualitative & Bonding [ionic]: Relative atomic & molecular mass, Relative masses & moles, Equations & calculations, Expressing concentrations, States of matter, Atoms & ions, Ionic & covalent bonding, Giant ionic & covalent structures, Structure of simple molecules, Fullerenes & graphene, Bonding in metals. Triple only: Yield of a chemical reaction, Atom economy, Titrations, Titration calculations, Volumes of gases & moles, Bonding in metals, Giant metallic structures.</p> <p>PHYSICS</p> <p>(Combined and Triple)</p> <p>Electricity: Standard circuit diagram symbols, Electrical charge & current, Current, Potential difference & resistance, Resistors, LDRs, Thermistors, Series & Parallel circuits, Mains electricity, Cables & Plugs, Fuses & Earth Wires, Power, The National Grid. Triple only: Energy transfers in everyday appliances, Static charge, Electric fields.</p>	<p>Media</p> <p>MUSIC INDUSTRY PRACTICAL</p> <p>CD conventions. Create an artist profile. Photography skills. Combining images & text to create finished product.</p> <p>MAGAZINES</p> <p>Industry/ownership/commercial aspects of magazines. Its sub-genres & audience. Audience Mass/Niche/audience needs. Presentation of uses and gratification theory. Use of language. Comparison between 'Closer' and 'Tatler'.</p> <p>FILM INDUSTRY and CSPs</p> <p>'I Daniel Blake' and Dr Strange provide diverse areas of the British and American film industries to compare & contrast.</p> <p>RADIO</p> <p>Public sector broadcasting. Media ownership. The BBC. Digital radio. Audiences for radio 'segmentation'.</p>	<p>Music</p> <p>MINIMALIST MUSIC OF STEVE REICH, JOHN ADAMS & TERRY RILEY</p> <p>Compose piece of music based on Serialism, and investigate musical styles of 20th century.</p> <p>ROCK MUSIC FROM THE 1960s AND 1970s</p> <p>Describe musical elements, musical context & musical language: Tonality, Melody, Harmony, Structure, Sonority. Compose a piece in a 1960s pop style.</p>
<p>BTEC Performing Arts</p> <p>COMPONENT 2</p> <p>Know about the musical theatre genre and style. Know exercises/warmups to help improve technique. Develop knowledge of repertoire, specifically from Hairspray. Understand how to create a performance. Understand how effective rehearsal leads to successful performance.</p>	<p>Business Studies GCSE</p> <p>BUSINESS REVENUES, COSTS AND PROFITS</p> <p>The concept & calculation of: Revenue, fixed & variable costs, total costs, profit & loss, interest. Interpretation of break-even diagrams: changes in revenue & costs, break-even level of output, margin of safety, profit & loss. Importance of cash to business: pay suppliers, overheads & employees, prevent business failure (insolvency), difference between cash & profit. Calculation & interpretation of cash-flow forecasts. Sources of business finance. The concept of limited liability.</p> <p>BTEC Business Enterprise</p> <p>EXPLORING ENTERPRISES</p> <p>What is an enterprise? The purpose of enterprise. Competition. Customer services. Types & characteristics of small and medium enterprises.</p>				
<p>History</p> <p>AMERICAN WEST</p> <p>Native Indians: ways of life and means of survival. Beliefs about nature and land, attitudes to war, US government policy. Early Pioneers. Problems with migration inc. Mormon migration. The Gold Rush of 1849. White settlement farming. The Fort Laramie Treaty 1851. The Mormon War 1857-58. The Civil War and post-war reconstruction. The impact of the railroad. Homesteaders and farming on the plains. Law and Order in the settlements. The cattle industry. The impact of ranching. Rivalry between ranchers & homesteaders; the conflict with the Plains' Indians.</p>	<p>Dance</p> <p>MOCK SOLO CHOREOGRAPHY</p> <p>Successfully create a piece of solo dance work. develop a knowledge of the techniques used to create and develop choreographic work. Use choreographic devices & structuring devices to complete solo work. Knowledge of key terminology related to choreography. Importance of aural setting & how it helps generate mood & meaning in a dance piece</p> <p>ARTIFICIAL THINGS</p> <p>Develop knowledge of the professional work "Artificial Things". Develop understanding of how to analyse & interpret dance</p>	<p>Technology</p> <p>FOOD TECHNOLOGY</p> <p>Social, moral, ethical and environmental issues associated with Food. Food Security. Sustainability of food production. Fair Trade. The primary & secondary stages of food processing and production. How processing affects the sensory & nutritional properties of ingredients. The use of additives in food products. Why & how some foods are fortified. Hygiene Certificate. Coursework</p> <p>DESIGN TECHNOLOGY</p> <p>Natural/Chemical Dyes. Batch Dying & Hand dying techniques. Advantages/ Disadvantages. Range of printing techniques. Standard components in electronic & mechanical systems. Cutting, drilling and soldering. CAD Skills. Mechanical components. Looking at the work of designers. Design challenge.</p>		<p>BTEC Health and Social Care</p> <p>CARE SERVICES AND VALUES</p> <p>Explore and practise applying the different care values that are key to the delivery of effective health and social care services such as: empowering & promoting independence by involving individuals, where possible, in making choices; respecting service users' needs; maintaining confidentiality; preserving the dignity of individuals; effective communication; safeguarding and duty of care; keeping individuals safe from physical harm; promoting anti-discriminatory practice. Reviewing own application of care values.</p> <p>BTEC Child Development</p> <p>CHILDREN'S LEARNING THROUGH PLAY</p> <p>Understand how learning through play can occur during planned activities in different environments. Know physical, cognitive, intellectual, social, emotional, communication and language learning through play.</p>	