|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Term 1** | **Term 2** | **Term 3** | **Term 4** | **Term 5** | **Term 6** |
| **Art** | In-depth response to the work of Dorothee Von-Windheim and the theme of eyes. Working with a broad range of materials and types of print. | Response to Josh Bryan ‘Triangulation Series’ based on pupils own photography. | Response to the work of Hannah Davies and Jenny Saville to develop skills in flesh colour oil pastel. | A look at the narrative work of Candy Jernigan and Paul Davis to represent elements of our daily lives and record traces of our existence and universal truisms. | Planning for pieces independently.  Photography as an integral element of development of ideas. Composing and recording ideas. | Independent outcomes on the theme of Identity based on portfolio work so far. Review and refine in response to artists researched. |
| **Biology** | Organising animals and plants, blood, gas exchange and transport systems in plants. | Communicable, non-communicable disease and the prevention of disease. Growing bacteria. | Photosynthesis and respiration. Rate of photosynthesis. | Nervous system and hormonal control. Adaptation, interdependence and competition. Human reaction time. Seedling growth. Iinterdependence. | Reproduction, variation and evolution. | Biodiversity and ecosystems. Decay. |
| **Catering** | Health and safety  The Industry  Types of establishments. Job roles. Working conditions. Factors affecting success. Pastry workshops. | Industry Set Up  Operation of a kitchen. Large and small equipment. Customer needs. High level skills, filleting fish, boning meat etc. pasta. | Safety  Personal safety. Risks to personal safety. Safety recommendations. Roux sauces, technical challenges. | Food Poisoning  Food related ill health, allergies and intolerances. EHO. Food safety legislation. Food poisoning. Food induced ill health. Risotto, using setting agents. | Propose Provision  Review options. Recommend provision. Preparation for external exam. | Pop up restaurant, prepare suitable recipes. |
| **Chemistry** | Electrolysis | Energy changes | Rates and equilibrium | Crude oil, organic chemistry and polymers | Chemical analysis, Rf values and identifying unknown compounds. The Earth’s atmosphere and resources. Water. | Haber process |
| **Combined Science** | Biology Organising animals and plants, blood, gas exchange and transport systems in plants.  Chemistry Bonding consolidation, chemical calculations  Physics Electricity, current and charge. Series and parallel circuits, resistance and components. | Biology Communicable disease  Chemistry Extraction of metals, acid reactions. The reactivity series & displacements. Neutralisation and salts  Physics Mains electricity, plugs, fuses and earth wires. Energy and charge. Power and efficiency. | Biology Disease  Chemistry Electrolysis of molten and aqueous substances  Physics Forces and motion.  Vectors and scalars. Resultant forces. Velocity and acceleration. Motion graphs | Biology Photosynthesis and respiration. Rate of photosynthesis  Chemistry Endothermic and exothermic reactions, and uses  Physics Weight and mass. Hooke’s law. Terminal velocity. Stopping distances | Biology Nervous system and hormonal control. Human reaction time.  Chemistry Kinetic theory, effect of concentration and temperature on rate.  Physics Types of waves. Wave equation and calculations. Reflection and refraction | Biology Reproduction  Chemistry Effect of surface area and catalysts on rate, dynamic equilibrium  Physics Electromagnetic spectrum. Waves |
| **Construction** | Unit 2 Practical  Intro to the workshop,  health & safety on site, brick laying practice tasks. Introduction to method statements & evaluations. | Unit 2 Practical Assessment  Brick laying assessment. Practical skills development, quality control checks & aids. Planning & evaluation of practical tasks. | Unit 1  Introduction to exam unit on safety and security. Identifying types of fire extinguishers & risk assessments. | Unit 2 Practical  Joinery practice tasks. Making a frame with four different wood joints. Focus on accuracy when cutting but, half lap, mortise & tenon and dovetail joints. | Unit 2 Practical  Joinery assessment – stud wall. Planning & evaluation of practical task. | Unit 3  Introduction to unit 3 exam on planning construction projects.Understanding past examples and focus on material calculation questions. |
| **Drama** | Performing Scripted Work and Intro to KS4 Drama  Expectations of KS4. Performance preparation and execution. Reflecting on development and setting goals for future improvements. Writing as a Drama student. | | Understanding the Work of Practitioners  Evaluation and assessment of repertoire. Application of understanding to practical work. Understanding professional roles and responsibilities. Writing as a Drama student. | | | |
| **Engineering** | Pizza Cutter  Introduction to project, design & make process. Brief, specification, sketching, CAD, orthographic projection. Foam mould making, sand casting, milling, turning, drilling & cutting. | | | NEA Unit 1 Engineering Design.  Product analysis, research into manufacturing techniques, design specification. Production of initial designs, CAD & hand drawn isometric & orthographic projections to British standard conventions. | Unit 3 Solving Engineering Problems.  Focused practical tasks with independent write with a focus on plastics & metals to develop theoretical knowledge. | |
| **English** | *A Christmas Carol*  Novella studied in full for GCSE Literature: close analysis of key extracts; social, literary and historical context; memorising of key quotations with relevant terminology for use in examinations; essay and PEA writing skills. | Anthology poems  Close analysis, context and quotations. C*omparison skills*. Also practising ‘unseen’ techniques. | Shakespeare text  Play studied in full. Close analysis of key extracts; social, literary and historical context; memorising of key quotations with relevant terminology for use in examinations; essay and PEA writing skills. | | Anthology poems 2  Close analysis, context and quotations. C*omparison skills*. Also practising ‘unseen’ techniques | Persuasive/discursive writing/speech  Focus on writing with a ‘point of view’ for specific purposes and audiences. Presentation skills to be embedded. Delivery of an individual presentation for the ‘Speech’ component of English Language GCSE. |
| **French** | Who am I? Three main tenses. Topic vocab: family relationships, going out, life when you were younger, role models. | *Hobbies and interests* Depuis + present tense. DOPs. Comparative/ surperlative. Topic vocab: where you live, places in town, transport, tourism | Daily life and celebrations Modals, pronoun en. Topic vocab: food and drink, celebrations, festivals and traditions. | *Where I live*  Future tense. Topic vocab: hobbies e.g. sports, music, TV/film, reading, technology, fashion. | *Holidays*  Conditional tense. Pluperfect tense. Topic vocab: holidays, travel, accommodation, restaurants. | *Holidays*  Demonstrative adjectives and pronouns. Topic vocab: role play situations |
| **Geography** | UK in the 21st Century  What is the UK? Land use and housing shortages. Human and physical geography of UK. How is the UK’s population changing? UK’s ageing population. Case study of a UK place. UK’s changing economy. Economic hubs and case study. UK’s role in global conflict. UK’s media. UK’s food. | Urban Futures  How is the global pattern of urbanisation changing? World cities/megacities. Why is there rapid urbanisation in LIDCs? Consequences of rapid urbanisation in LIDCs. Urban trends in ACs. Case study of an EDC/LIDC city. Case study of an AC city. | Fieldwork: Death of the High Street  Designing the fieldwork. Collection of data. Data presentation. Data interpretation. Evaluation of fieldwork and methods. | Changing Climate  Pattern of climate change in the Quaternary. Evidence of climate change. Natural causes of climate change. Human causes of climate change. Impacts of climate change worldwide. Impacts of climate change in the UK | Distinctive Landscapes  What is a landscape? Upland and lowland landscapes. Glaciated and periglaciated landscapes. Weathering. Mass movement. River processes. River landforms. Case study of a river basin. Coastal processes. Coastal landforms. Case study of a coastal landscape. | Fieldwork: Does the River Wye fit the Bradshaw Model?  Designing the fieldwork. Collection of data. Data presentation. Data interpretation. Evaluation of fieldwork and methods |
| **German** | *Zeit für Freizeit* GCSE Theme 1 - Identity & culture. Present tense regular & irregular verbs. Nouns and articles in nom and acc. Case. *Gern*, *lieber* *am liebsten.* Conditional full paradigm. Topic vocab: free time activities, reading, music, film and TV, sport | *Menschliche Beziehungen*  GCSE Theme 1 – Identity and culture. Adjective endings in nom and acc case. Separable verbs in present and perfect  dat. case. Topic vocab: friendships, family, marriage, childhood, Christmas | *Die Brüder Grimm*  GCSE Theme 1 - Identity & culture. Imperfect tense. Recap of cases. Topic vocab: free time and relationships | *Wilkommen bei mir, pt 1*  GCSE Theme 1 - Identity & culture. Reflexive verbs in present and perfect. Conditional tense. Dat./acc. Prepositions. Topic vocab: around the house, food and drink | *Willkommen bei mir, pt 2*  GCSE Theme 1 - Identity & culture & GCSE Theme 2 – local, national, international and global areas of interest. Present and future tenses. Personal pronouns. Subordinate clauses using *dass.* Topic vocab: healthy lifestyles, food, sports, health problems, risks of smoking, drugs, alcohol, technology, the internet | *Ich <3 Wien*  GCSE Theme 2 – local, national, international and global areas of interest. Subordinate clauses. *Wenn* + subjunctive. Ich möchte. Topic vocab: city breaks, role play scenarios: travel, accommodation, restaurants, directions etc. |
| **History** | The People’s Health  Public health in Medieval Britain. Public Health in early Modern Britain | The People’s Health  Public Health in Industrial Britain. Public Health in 20th century Britain | Britain in Peace and War Introduction to Britain in 1900. Key features of Edwardian Society. | Britain in Peace and War Threats to the stability of Edwardian society. Trade Unions. Political threats. Women’s Suffrage | Britain in Peace and War Britain and the Empire including Ireland. Impact of WWI on British politics and society. | History Around Us  Contextual study of society and investigation of Quarry Bank Mill. |
| **Maths** | Number 1  Numerical calculations with integers, directed numbers, indices and surds. Order of operations. Place value and rounding. Factors, multiples, primes, square numbers, HCF and LCM. Index notation  Algebra 1  Forming algebraic expressions and equations. Simplifying expressions. Expanding brackets and factorising. Algebraic substitution. Solving equations. Plotting and interpreting graphs of equations. Properties of graphs and functions | Geometry 1  Types of angles. Measurement and construction of angles, shapes and loci. Angle properties of lines and shapes. Similarity and congruence of shapes, reasoning and proof of angle facts.  Probability  Probability scales 0 to 1 – fractions decimals or %. Mutually exhaustive and equally likely outcomes. Listing outcomes, sample space diagrams & 2-way tables. Venn diagrams. Combinations of outcomes; ‘and’ & ‘or’ | Ratio & Proportion  Comparisons using fractions, decimals & percentages. Proportional reasoning. Sharing and comparison using ratios – best buys. Direct and indirect proportionality. Compound measures. Percentage increase & decrease - Profit and loss. Compound and simple interest  Geometry 2  Symmetries of 2D shapes. Reflection, rotation, translation and enlargement. Transformations on a co-ordinate grid. Transformations producing similar or congruent shapes. Combinations of transformations. Pythagoras’ Theorem. Trigonometry | Presenting Data  Types of data. Data collection. Construct and interpret frequency diagrams – bar charts, pictograms, pie charts, stem-leaf diagrams, box plots, frequency polygons, line graphs, cumulative frequency histograms. Calculate and interpret averages and measures of spread – mean, median, mode, range and interquartile range. Grouped frequency tables | Number 2  Calculations with fractions and decimals. Fraction, decimal and percentage equivalence. Estimation and rounding. Lower and upped bounds  Algebra 2  Generate sequences from rules and patterns. Find rules from sequences and patterns. Arithmetic and geometric sequences. Quadratic sequences. Inequalities using number lines and algebra. Solving inequalities. Simultaneous equations. | Geometry 3  Measurement systems and units. Converting between units. Length, area and perimeter of plain and compound shapes. Area and perimeter of circles or part circles. Surface area and volume of plain and compound solids. Effects of enlargement of area, perimeter and volume. Constructing and interpreting scaled diagrams and maps |
| **Media** | Foundation Skills in Media:  Key concepts (representation, audience, genre). Essential terminology (mise-en-scene, connotations, camerawork, sound) | Introduction to media theory  Models of Audience (4C’s, socio-economic, life matrix). Uses and gratifications. Reception theory  Introduction to media purposes and production  Case Study Notes 1 + 2 (A/V: Film and TV) | Coursework Reports Writing up case studies 1 + 2. Structuring and writing media analysis  Case Study Notes 3 + 4 (Publishing: Newspapers and Magazines). Applying media theory. | Coursework Reports Writing up case studies 3 + 4. Structuring and writing media analysis  Case Study Notes 5 + 6  (Interactive: Websites and Games). Applying media theory. | Coursework Reports Writing up case studies 5 + 6. Structuring and writing media analysis  Beginning Primary Research  Understanding Genre, Narrative and Representation | Media Production Techniques  Developing ability to deconstruct sound, editing, camerawork and mise-en-scene through practical workshops  Coursework Report –Deconstructing A/V products of their choice |
| **Music** | Introduction to GCSE  Consolidate basic music vocabulary & theory. Study exemplar performances and composition. Introduction to Sibelius software. Study set work: ‘Music for a while’. | Vocal Music  Study set work: ‘Killer Queen’ - analysis, listening, practise questions, wider listening. Ground bass composition. Ensemble performance Nyman ‘Time Lapse’ | Instrumental Music  Study set works: Bach ‘Brandenburg Concerto and Beethoven ‘Sonata Pathetique’ - analysis, listening, practise questions, wider listening. Solo performance. | Instrumental Wider Listening  Explore Baroque, Classical and Romantic landmarks. Theme and variations composition. Preparation for ensemble performance. | Music for Stage & Screen  Study set works: ‘Defying Gravity’ & ‘Star Wars’ - analysis, listening, practise questions, wider listening. Compose pop song. Record ensemble. | Music for Stage and Screen Wider Listening:  Explore musicals and film landmarks. Pop song re-draft. Record final performances |
| **PD** | HPQ | | | | RSE 4: sex myths, healthy relationships, exploitative, and abusive relationships | |
| **PE** | Fitness, Football | Basketball, Badminton | Minor games, Table Tennis | Volleyball, Dance | Cricket/Rounders, Tennis | Athletics |
| Explore the impact of advanced skills. Evaluate and improve your own and others performance. | | | | | |
| **Physics** | Static Electricity. Current and charge. Series and parallel circuits. Resistance and components. | Mains electricity, plugs, fuses and earth wires. Energy and charge. Power and efficiency. | Forces & motion. Vectors & scalars. Resultant forces. Velocity & acceleration. Motion graphs. Moments, levers and gears. Centre of mass. Weight and mass. Hooke’s law. | Terminal velocity. Stopping distances. Momentum. Conservation of momentum. Impact forces. Pressure & surfaces. Pressure & liquids. Atmospheric pressure. Up thrust & flotation. | Types of waves. Wave equation and calculations. Reflection and refraction. Sound waves/ultrasound. Seismic waves. Electromagnetic spectrum | Magnetic fields. Electromagnets. Motor effect, generator effect. Transformers. Solar system. Life cycle of a star |
| **Sport** | Impact of sport and activity on the body systems.  Structure & function of the cardiorespiratory system (cardiovascular and respiratory)  Fundamentals of sport and activity leadership  Select a sports leader and research their attributes | Impact of sport and activity on the body systems Location and functions of the musculoskeletal system (muscular and skeletal). Physiological impact on the body systems – effects of regular participation and long-term effects.  Fundamentals of sport and activity leadership Create a report to explain how a leader demonstrates their skills and qualities. | Coursework Reports Structuring and writing BTEC Sport assignment. Applying knowledge.  Common injuries in sport and activity and methods of rehabilitation  The importance of a warm-up and cool-down.  Research the benefits of regular participation.  Focus on the physical benefits: short-term & long-term | Common injuries in sport and activity and methods of rehabilitation  Basic common injuries. Complex common injuries  Research the benefits of regular participation.  Focus on the physical benefits: short-term & long-term | Common injuries in sport and activity and methods of rehabilitation  Causes of common sporting injuries. Physiological, psychological, coaching, environment, equipment and people-related risks.  Promote the benefits of regular participation.  Create a blog / leaflet on how a good leader can promote the physical and psychological benefits. | Common injuries in sport and activity and methods of rehabilitation  Management and rehabilitation of common sporting injuries.  Structuring and writing BTEC Sport assignment. Applying knowledge.  Promote the benefits of regular participation.  Evaluate different ways a leader can encourage more people to take part regularly |
| **Tutorials** | Student Leadership. Work Experience Prep. Pupil Voice. Reading Week. Log and Leadership Ladder | Work Experience Prep.  Wellbeing 3: anxiety and stress. PD Log and Leadership Ladder. | Reading Week, Report review. Metacognition and Study Skills 3. PD Log and Leadership Ladder. | Online Safety 2. Pupil Voice.  PD Log and Leadership Ladder, Report Review. | Wellbeing 4 - drugs education. Reading Week. PD Log and Leadership Ladder. | Financial Literacy 2: student finance, world of work, borrowing. Report review. PD Log and Leadership Ladder |