Year 10 Curriculum Overview

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English Language	**Introduction to GCSE English Language Skills (Paper 1: Section B and Paper 2: Section A)** - Students will explore a range of non-fiction texts which are linked to key concepts, themes and knowledge for 'A Christmas Carol' (Paper 2: Section A). - Students will also develop their creative writing skills using 'A Christmas Carol' as a stimulus (Paper 1: Section B).	**Introduction to GCSE English Language Skills (Paper 1: Section B and Paper 2: Section A)** -Students will explore a range of non-fiction texts which are linked to key concepts, themes and knowledge for 'A Christmas Carol' (Paper 2: Section A). - Students will also develop their creative writing skills using 'A Christmas Carol' as a stimulus (Paper 1: Section B).	**Introduction to GCSE English Language Skills (Paper 2: Section A and Paper 2: Section B)** - Students will explore a range of non-fiction texts which are linked to key concepts, themes and knowledge for 'An Inspector Calls' (Paper 2: Section A). - Students will also develop their transactional writing skills using 'An Inspector Calls' as a stimulus (Paper 2: Section B).	**Introduction to GCSE English Language Skills (Paper 2: Section A and Paper 2: Section B)** - Students will explore a range of non-fiction texts which are linked to key concepts, themes and knowledge for 'An Inspector Calls' (Paper 2: Section A). - Students will also develop their transactional writing skills using 'An Inspector Calls' as a stimulus (Paper 2: Section B).	**Spoken Language Assessment (NEA)** - Pupils will create a speech/presentation on a topic of their choice (subject to agreement with their English teacher) and perform it in front of the class. **Introduction to GCSE English Language Skills (Paper 1: Section B and Paper 2: Section A)** - Students will continue to develop their transactional writing skills using the 'Power and Conflict' poetry cluster as stimuli (Papar 2: Section B).	**Spoken Language Assessment (NEA)** - Pupils will create a speech/presentation on a topic of their choice (subject to agreement with their English teacher) and perform it in front of the class. **Introduction to GCSE English Language Skills (Paper 1: Section B and Paper 2: Section A)** - Students will continue to develop their transactional writing skills using the 'Power and Conflict' poetry cluster as stimuli (Paper 2: Section B).
English Literature	**'A Christmas Carol' by Charles Dickens (Literature Paper 1: Section B)** - The study of 'A Christmas Carol' builds upon students' knowledge of 19th century fiction undertaken at KS3. - Whilst developing their ability to read critically, students will explore aspects of genre, plot and characterisation, as well as the influence of contextual factors (e.g. the impact of the Industrial Revolution, The Poor Law, Malthusian theory, and the influence of gothic fiction).	**'A Christmas Carol' by Charles Dickens (Literature Paper 1: Section B)** - The study of 'A Christmas Carol' builds upon students' knowledge of 19th century fiction undertaken at KS3. - Whilst developing their ability to read critically, students will explore aspects of genre, plot and characterisation, as well as the influence of contextual factors (e.g. the impact of the Industrial Revolution, The Poor Law, Malthusian theory, and the influence of gothic fiction).	**'An Inspector Calls' by J.B. Priestley (Literature Paper 2: Section A)** - Study of 'An Inspector Calls' builds upon the study of 'Animal Farm' completed at KS3. - Key concepts explored include – blame and responsibility; class politics; political diatribe; morality versus legality.	**'An Inspector Calls' by J.B. Priestley (Literature Paper 2: Section A)** - Study of 'An Inspector Calls' builds upon the study of 'Animal Farm' completed at KS3. - Key concepts explored include – blame and responsibility; class politics; political diatribe; morality versus legality.	**Poetry Cluster (Literature Paper 2: Section B) and Unseen Poetry (Literature Paper 2: Section C)** - 'Power and Conflict' cluster chosen due to its relevance to texts studied at KS3, KS4 and KS5 – power and corruption, the hubristic nature of man, the power of the natural world, the impact of colonialization, etc. - The focus for this period of study will be on the poems mostly linked the power of nature and the power of humans. - Pupils will also learn the skills to be able to understand and critically analyse unseen poems.	**Poetry Cluster (Literature Paper 2: Section B) and Unseen Poetry (Literature Paper 2: Section C)** - 'Power and Conflict' cluster chosen due to its relevance to texts studied at KS3, KS4 and KS5 – power and corruption, the hubristic nature of man, the power of the natural world, the impact of colonialization, etc. - The focus for this period of study will be on the poems mostly linked the power of nature and the power of humans. - Pupils will also learn the skills to be able to understand and critically analyse unseen poems.
Maths	Standard form (F) Measures (F) Statistical measures (F) Indices (F) Percentages (F) Measure (H) Surds (H) Percentages (H) Indices and sequences (H)	Congruence and constructions (F) Algebra (F) Statistical measures (H) Angles (H) Number recap and review (H)	Perimeter and area (F) Pythagoras and trigonometry (F) Congruence and similarity (H) Pythagoras and trigonometry (H)	Circumference and area (circles) (F) Surface area and volume (F) Calculating space (H) Probability (H)	Graphs (F) Properties of polygons (F) Probability (F) Solving and rearranging linear and quadratic equations (H) Simultaneous equations (H) Graphs (H)	Real life graphs (F) Transformations (F) Linear and quadratic equations and graphs (H) Transformations (H) Linear and quadratic equations and
Further Maths	Basic Number Basic Algebra Functions	Functions Surds Index laws Sequences	Sequences Algebraic Fractions Pythagoras' Theorem & Trigonometry Simultaneous Equations Manipulations & Proof	Manipulation & Proof Basic Geometry Linear & Quadratic Equations	Linear & Quadratic Equations Quadratic Simultaneous Equations Introduction to Coordinate Geometry	Catch Up Introduction to Calculus
Combined Science	Communicable disease, Preventing and treating disease Structure and bonding; States of matter, Ionic, Covalent and Metallic bonding, The properties of each structure and reasons. Including Ionic lattices, Simple molecular, Giant covalent (diamond, graphite, silicon dioxide) and Giant Metallic. Electricity in the home, to include use of oscilloscope to show a.c. National Grid and power stations, along with transformers, (qualitative). Plugs and safety, to access mains electricity. Chracteristics of mains electricity. Power of appliances, and electrical efficiency	Non Communicable disease, Photosynthesis Structure and bonding as per HT1 and Chemical calculations; Calculating Moles, Mass and Mr, Atom economy and the expression of concentrations in 2 different forms. HT- Will look at Volumes of gases as an addition to this. Use of density. States of matter and changes associated with temperature. Internal energy, and what it means. Specific latent heat. Relate gas pressure to temperature and volume	Respiration aerobic and anearobic, Human nervous Nerves and their functions, reflex arc system Chemical changes; The reactivity series linked to the extraction of metals and displacement reactions. Neutralisation and the pH scale. Acids and their reactions with bases including metals. (gcse pe). Rutherford and Thomson models of atom. The unstable nucleus, leading to stabilition via nuclear decay. The three radiations as alpha, beta, and gamma radiations, and their effect on the nucleus. Activity and half life, including nuclear equations	Hormone control endocrine system, IVF, blood sugar control Electrolysis; Electrolysis of solutions, what happens at the electrodes, specifically looking at the production of aluminium. HT- Half equations (re). Introduce vecors and scalars. NIII as forces between objects. Idea that resultant forces a=occur because of vector nature of force. Moments and balance, in terms of centre of mass, as well as distance from CoM.	Rates of reaction; The effect of temperature, concentration, pressure, surface area and catalysts. Linked to required practical on investigating rates and graph work. Calculations of rates from data. Exam prep and mock exams. Equilibrium calculations using moments. Solving vector problems using scale diagrams and the parallelogram of forces	Earths Resources; Finite and Renewable resources, Water and it's treatment, the extraction of metals, life cycle assessments and the choices of reducing, reusing vs recycling; and upgrade (geography). Forces in balance Revision and upgrading
Biology (Triple Award)	Communicable disease, Bacteria viruses and other pathogens Preventing and treating disease	Non Communicable disease, diabetes, heart disease, Photosynthesis, plant organs and functions	Respiration aerobic and anearobic, Human nervous system Nerves and their functions, reflex arc (GCSE PE)	Hormone control, endocrine system, IVF, blood sugar control (re)	Homeostasis in action Kidney and themperature control, liver functions	Revision and upgrading areas of misconceptions and prep for mock exams
Chemistry (Triple Award)	Structure and bonding; States of matter, Ionic, Covalent and Metallic bonding, The properties of each structure and reasons. Including Ionic lattices, Simple molecular, Giant covalent (diamond, graphite, silicon dioxide) and Giant Metallic. Looking at nanoparticles and their	Structure and bonding, Chemical calculations: Chemical calculations; Calculating Moles, Mass and Mr, Atom economy and the expression of concentrations in 2 different forms. HT- Will look at Volumes of gases as an addition to this. Titrations, how they're used and their calculations	Chemical changes : The reactivity series linked to the extraction of metals and displacement reactions. Neutralisation and the pH scale. Acids and their reactions with bases including metals. Looking at why some acids are weaker than others	Electrolysis; Electrolysis of solutions, what happens at the electrodes, specifically looking at the production of aluminium. HT- Half equations (re)	Rates of reaction; The effect of temperature, concentration, pressure, surface area and catalysts. Linked to required practical on investigating rates and graph work. Calculations of rates from data	Earths Resources; Finite and Renewable resources, Water and it's treatment, the extraction of metals, life cycle assessments and the choices of reducing, reusing vs recycling; Upgrading
Physics (Triple Award)	Electricity in the home, to include use of oscilloscope to show a.c. National Grid and power stations, along with transformers, (qualitative). Plugs and safety, to access mains electricity. Chracteristics of mains electricity. Power of appliances, and electrical efficiency	Use of density. States of matter and changes associated with temperature. Internal energy, and what it means. Specific latent heat. Relate gas pressure to temperature and volume	Rutherford and Thomson models of atom. The unstable nucleus, leading to stabilition via nuclear decay. The three radiations as alpha, beta, and gamma radiations, and their effect on the nucleus. Activity and half life, including nuclear equations. Uses of nuclear radiation in medicined. Nuclear fission and fusion	Introduce vecors and scalars. NIII as forces between objects. Idea that resultant forces a=occur because of vector nature of force. Moments and balance, in terms of centre of mass, as well as distance from CoM.	Equilibrium calculations using moments. Solving vector problems using scale diagrams and the parallelogram of forces	Forces in balance Revision and upgrading
GCSE PE	Engagement patterns Muscular System	Engagement Patterns and Commercialisation Skeletal System	Commercialisation Fitness	Ethics and deviance Fitness	Sport Psychology Cardiovascular System	Sport Psychology Respiratory System
Sports Studies	R185: Performance Topic area 1: Key components of performance Topic area 2: Strengths and weaknesses of sports performance	R185: Performance Topic area 3: Organising and planning a sports activity session Topic area 4: Leading a sports activity session	R185: Performance Topic area 4: Leading a sports activity session Topic area 5: Reviewing your own sporting performance	R186: Sport and the media Topic area 1: Different source of media that cover sport Topic area 2: Positive effects of the media	R186: Sport and the media Topic area 2: Positive effect of the media Topic area 3: Negative effects of the media	R186: Sport and the media Topic area 3: Negative effects of the media
Geography	Challenge of Natural Hazards Tectonics	Challenge of Natural Hazards Weather Hazards	The Urban World Global Urban Growth	The Urban World UK Cities and Sustainable Living	UK Landscapes - Rivers. Pluss Fieldwork	UK Landscapes - Coasts
History	American Expansion - Indian life - Students examine the geography of North America and look in depth at the different groups who migrated across the continent. They will then examine the effect this had on themselves and the First Nation peoples. Concepts such as Manifest Destiny are examined alongside different historical interpretations.	Conflict across America - Students explore the build up to the American Civil War, the aftermath of the Civil War and its social and political impact upon the reconstruction USA. Post Civil War Conflict between religious groups and Indian Nations and the US army.	C+T in Asia - Korean War - Students cover the global background of tensions in Korea, the events of the Korean War and the wider consequences.	C+T in Asia - Vietnam War - Students explore the background to conflict in Indo-China, the development of American involvement, withdrawal of the French and the impact upon both Vietnam and the USA.	Health and the People - Medieval medicine - Students cover medical practices in the Ancient world and their lasting impact upon Medieval societies with reference to surgery, public health and the role of the church in society.	Health and the People - Renaissance medicine - Students examine the impact of the Renaissance upon medical developments, looking at key individuals such as Vesalius and their impact on medical practices and understanding.
RE	Component 1: Beliefs, teachings- Christianity	Component 1: Beliefs, teachings- Christianity	Component 2: Theme A- Relationships and Families Contraceptives, menstral cycles Science- Year 10)	Theme C- God and Revelation	Component 1: Practices- Christianity	Component 1: Practices- Christianity
Design and Technology	3.1.6 Materials and their working properties - Materials and Finishes (Wood, Metals, Polymers) 3.2.2 Common specialist technical principles - Improving functionality	3.1.3 Developments in new materials - 3.1.6 Materials and their working properties - Polymers and smart materials 3.1 Core technical principles	3.1.5 Mechanical devices - Mechanical devices - Motion, Cams, Linkages and Levers. 3.1.5 & 3.1.6 Mechanical devices - Mechanical devices - Motion, Cams, Linkages, Levers, Gears, Pulleys, forces and Equations	3.1.3 Energy generation and storage - Methods of energy generation including renewable and non renewable sources and storage methods of energy. 3.1.2 3.1 Core technical principles - Recap and go over the different materials and properties.	3.1.3 Developments in new materials including: Modern Materials - Graphene, Metal foams and Titanium. Liquid Crystal Displays (LCDs) and Nanomaterials. Smart Materials - controlled by external stimuli, such as stress, temperature, moisture, or PH ng shape memory alloys, thermochromic pigments and photochromic pigments. As well as Composite materials. - Give out NEA TAsk for pupils to start research	3.1.1 New and emerging technologies - New and emerging technologies, robotics and automation, industry, different types of production. Careers talk by external guest speaker. - NEA Task for pupils to continue research section (AO1)
French	Myself, Family and Friends Describing yourself Describing family members Relationships with family members What makes a good friend Describing what you do/did with your friend How to form the perfect tense Talking about future relationships, views on marriage and partnership (links to component 2 Y10 RE) Free-Time Activities Talking about sports Using 'depuis' to say how long doing a sport. Saying why I do certain sports.	Free-Time Activities Talking about books and reading. Talking about what I used to do. Talking about cinema. Talking about TV. Talking about what free-time activities I did last week. Technology Talking about use of technology and devices. Talking about the advantages of technology. Talking about the disadvantages of technology. Use of 3 time frames to talk about technology. Customs and Festivals (links to RE) Talking about celebrations. Talking about past/future celebrations. Talking about different festivals and how they are celebrated in French-speaking countries.	Life at School/My studies Describing what you study and preferences Describing your school Giving your opinions about school rules. Comparing French and English school Talking about extra-curricular activities Talking about what you're going to do at school Talking about a past school trip. Healthy Living (links to Y10 Health and Social) Discussing healthy and unhealthy living/lifestyles. Talking about health issues and solutions.	Home Town, Neighbourhood and Region Understanding and describing where someone lives. Saying what you can and can't do in town. Describing what there is and isn't in town. Giving directions Describing what there is in town. Describing where someone lives a region.	Travel and Tourism Where you go on holiday What you do on holiday Holiday accommodation Talk about past and future holidays Your ideal holidays Staying in hotel accommodation Ordering in a restaurant Booking transport Buying souvenirs	Revision and Exam Skills, Trial exams Preparing for and practice for speaking mock exams.
BTEC Business	Component 1A: Examine the characteristics of enterprises. Component 1B: Explore how market research helps enterprises meet	Component 1C: Investigate the factors that contribute to the success of an enterprise.	Component 2A: Explore ideas and plan for a micro-enterprise activity.	Component 2B: Pitch a micro enterprise activity.	Component 2C: Review own pitch for a micro enterprise activity.omponent.	Component 3A: The promotional mix (Marketing), types of market, market segmentation, factors influencing the choice of promotion.
BTEC Health & Social Care	Component 1A1: Human growth and development across life stages	Component 1A2: Factors affecting growth and development	Component 1B1: Different types of life events.	Component 1B2: Coping with change caused by life events.	Component 2A1: Health and Social Care services	Component 2A2: Barriers to accessing services
BTEC IT	Component 1 Learning Aim A Investigating user interface design for individuals and organization's	Component 1 Learning Aim A Investigating user interface design for individuals and organization's. Learning Aim B Use Project Planning Techniques to plan and design a user interface	Component 1Learning Aim B Use Project Planning Techniques to plan and design a user interface	Component 1 Learning Aim C Developing and review a user interface	Component 1 Learning Aim C Developing and review a user interface	Component 2 Learning Aim A Investigate the role and impact of Using data on individual's and organization.
BTEC Art & Design	Component 1 Learning Aim A Investigate art and design practice	Component 1 Learning Aim A Investigate art and design practice	Component 1 Learning Aim B Generate and communicate art and design ideas	Component 1 Learning Aim B Generate and communicate art and design ideas	Component 2 Learning Aim A Develop practical skills through application and review	Component 2 Learning Aim A Develop practical skills through application and review
BTEC Performing Arts	Component 1 - Exploring Performing Arts Component 2 - Developing skills and techniques in the Performing Arts	Component 1 - Exploring Performing Arts Component 2 - Developing skills and techniques in the Performing Arts	Component 1 - Exploring Performing Arts Component 2 - Developing skills and techniques in the Performing Arts	Component 1 - Exploring Performing Arts Component 2 - Developing skills and techniques in the Performing Arts	Component 1 - Exploring Performing Arts Component 2 - Developing skills and techniques in the Performing Arts	Component 1 - Exploring Performing Arts Component 2 - Developing skills and techniques in the Performing Arts
BTEC Music	Component 1: Exploring Music Products and Styles Students study a wide range of styles and complete performing and composing tasks linked to these.	Component 1: Exploring Music Products and Styles Students continue preparing component 1 by completing a mock assessment task	Component 1: Exploring Music Products and Styles Controlled Assessment	Component 1: Exploring Music Products and Style Completion of controlled assessment.	Component 2: Musical Skills Development: Students begin looking at baseline assessments for composing, producing and performing.	Component 2: Musical Skills Development: Students continue baseline assessment tasks and begin planning areas they could develop.