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 (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 (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)
Combined Science	**Biology.** Photosynthesis: rate of photosynthesis,how planst use glucose, aerobic respiration, response to exercise, anaerobic respiration, metabolism and the liver. **Chemistry.** 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. **Physics.** 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. CHaracteristics of mains electricity. Power of appliances, and electrical efficiency	**Biology** Commicable disease: pathogens and disease, how to prevent infections, viral and bacterial diseases, diseases caused by fungi and protists, human defence responses. **Chemistry** Structure and bonding (Bonding in metals and Giant metallic structures) Chemical calculations; Calculating Moles, Mass and Mr, Atom economy and the expression of concentrations in 2 different forms. HT- Will look at limiting reactants **Physics** 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.	**Biology** Preventing and treating disease: vaccination, antibiotics and painkillers, discovering and developing drugs. Non-communicable diseases, cancer, smoking and risk of disease, diet, exercise and diseases, alcohol and carcinogens **Chemistry** 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. Stronger and weaker acids (HT only). **Physics** Rutherford and Thomson models of atom. The unstable nucleus, leading to stabilizition 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	**Biology** The human nervous system: principal of homeostasis, structure and function of the nervous system, reflex actions. Hormonal control, control of glucose and diabetes. **Chemistry** Electrolysis; Electrolysis of solutions, what happens at the electrodes, specifically looking at the production of aluminium. HT- Half equations (re). **Physics** 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.	**Biology** Hormonal control communication, negative feedback, human reproduction, hormones and menstrual cycle, artificial control of fertility, infertility treatment. **Chemistry** Energy changes;Exothermic and Endothermic reactions, Using energy transfers for reactions, reaction profiles and bond energy calculations (HT only). Revision for mocks. **Physics** Equilibrium calculations using moments. Solving vector problems using scale diagrams and the parallelogram of forces.	Chemistry 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). **Biology.** Recap of yr 10 topics and revision for mock paper 1. **Physics** Speed and distance-time graphs. Velocity and acceleration. Analysing motion graphs.
Biology (Triple Award)	Photosynthesis; Rate of photosynthesis, how plants use glucose. Respiration;aerobic respiration,	Communicable disease;pathogens and disease, how to prevent infections, viral and bacterial diseases, diseases caused by fungi and protists, human defence responses,plant diseases and	Preventing and treating disease;vaccination,antibiotics and painkillers, discovering and developing drugs, making and using monoclonal antibodies.	The human nervous system;principal of homeostasis,structure and function of the nervous system, reflex actions. The Brain and the eye.	Hormonal communication:role of negative feedback, human reproduction,hormones and the menstrual cycle,artificial control of	Recap of yr 10 topics and revision for mock paper 1.
Chemistry (Triple Award)	Chemistry. 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.	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) Energy Changes: exothermic and endothermic reactions, reaction profiles, bond enrgy calculations, chemical cells, batteries and fuel cells.	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. CHaracteristics 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 stabilization 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 mediciend. 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 – including: Vectors and scalars; forces between objects; resultant forces; centre of mass; parallelogram of forces; resolution of forces".	Forces in balance Speed and distance-time graphs. Velocity and acceleration. Analysing motion graphs. Force and acceleration. Weight and terminal velocity. Forces and braking. Momentum. Conservation of momentum. Impact forces. Road safety. Forces and elasticity.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.	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.	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.		Health and the People - NHS and 20th Century medicine - Anglo-Saxon Britain and the contenders for the throne in 1066 - Students cover the impact of the NHS upon medicine in Britain and examine technological developments through to the present day. Students also look at Anglo-Saxon society and the government system which existed at the time, including the contenders to the	
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	Core Materials: Timbers, Papers & Boards and Polymers 1 Point Perspective Drawing Drawing in 3D using IsoSketch	Core Materials: Metals and Textiles Smart Materials Design Problem Solving Assignment 1 Design Problem Solving Assignment 1	Smart Materials Modern Materials Practical Competencies: Mood light	Composite Materials Technical Textiles Practical Competencies: Mood light	D&T and Our World: The impact of new and emerging technologies Practice Non- Examined Assessment		D&T and Our World: Critical evaluation of new and emerging technology Practice Non- Examined Assessment 1st June: Non Examined Assessment Challenge: Section A - Research and Analysis Section B - Design Brief and Design Specification	
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 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 disadvantaages of technology. Use of 3 time frames to talk about technology. Customs and Festivals 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 acommodation Ordering in a restaurant Booking transport Buying souvenirs	r	Revision and Exam Skills, Trial exams Preparing for and practice for speaking mock exams.	
Psychology	Paper 1: Memory: Process of memory, structures of memory (including memory models) and memory as an active process	Paper 1: Research Methods 1: Hypotheses, types of variables, sampling methods, designing research, correlation, research procedures, planning and conducting research and ethical considerations	Paper 1: Development: Early brain development, Piaget's stage theory and effects of learning on development	Paper 1: Perception: Sensation and perception, visual cues and constancies, Gibson's theory, visual illutions, Gregory's theory and factors affecting perception	Paper 1: Research Methods 2: Data handling, types of data, computation, descriptive statistics, interpretation of data and normal distributions		Revision of paper 1 content and preparation for mock exams. Begin paper 2: Language, Thought and Communication: Relationship between LTC, animal Vs human communication	
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 organizations. Learning Aim B Use Project Planning	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. Learning Aim B Be able to create a dashboard using manipulation tools	Component 2 Learning Aim C Be able to draw conclusions and review Data Presentation Methods	Component 2 Learning Aim A, B and C. Using these skills to complete their final assessment		Component 3 Learning Aim A Modern Technlogies and their impact on Organizations, Learning Aim B Threats to Digital systems and how	
BTEC Art & Design	Component 1 Creative Practice in Art and Design (Practice Brief)	Component 1 Creative Practice in Art and Design (Practice Brief)	Component 1 Creative Practice in Art and Design (Practice Brief)	Component 1 Creative Practice in Art and Design (Practice Brief)	Component 1 Creative Practice in Art and Design (Practice Brief)		Component 1 Creative Practice in Art and Design (Practice Brief)	
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 Studens continue preparing component 1 by completing a mock assessment task	Component 2: Music Skills Development Preparation for controlled assessment. Controlled assessment begins.	Component 2: Music Skills Development controlled assessment.	Component 2: Music Skills Development Completion of component 2		Component 3: Responding to a music brief Students begin preparations for component 3	