

Year 9 Curriculum Overview						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English	Jane Eyre - themes, key characters, literary devices (juxtaposition), comparison, analytical paragraphs, quotations.	Noughts & Crosses - race, themes, key characters, format of a play, narrative structure, quotation and stage direction analysis, key vocabulary	Romeo & Juliet - Elizabethan Era, context, themes, key characters, format of a play, narrative structure, quotation and stage direction analysis, key vocabulary	GCSE Literature Poetry - Power and Conflict Anthology and Unseen Poetry		
Maths	Graphs - plotting linear functions, straight line equations, statistical diagrams , frequency tables, scatter graphs, questionnaires, measuring shapes - area/perimeter and circles, decimals - multiplying and dividing	Algebra - brackets and BIDMAS, measuring shapes - circles revisited plus Pythagoras' Theorem, fractions - recapping fractions, percentages - increases and decreases	Equations - linear inequalities, angles - triangles, quadrilaterals, polygons, powers - prime factorisation, statistical diagrams - frequency tables, grouped data	Sequences and graphs - linear sequences, special sequences e.g. Fibonacci, dimensions - 3d shape properties, parts of a whole - calculating with ratio, proportionality	Functions and equations - drawing linear inequalities on number line, solving linear inequalities, accuracy - approximation, scale drawing - using pair of compasses, ruler and protractor	Ratio and proportion - sharing in a given ratio, harder algebra - simplifying complex expressions, working with formulae, transformations - enlargement, scale factors, probability - +/- fractions, Venn diagrams
Combined Science	All Yr 9 students will follow the Combined Science curriculum covering three areas of Science for a Double GCSE Award in Science, unless they opt for Separate Science where additional content will be covered for three separate GCSEs (below)					
Chemistry	Separating matter - states of matter, methods of separating and purifying substances, atoms and the periodic table - atomic structure, elements	Bonding and structure - ionic bonding, covalent bonding, molecular compounds, properties of metals, bonding models		Chemical change - acids and alkalis, bases and salts, neutralisation, reactions of acids and alkalis, solubility		
Biology	Cells - plant and animal cells, microscopes, bacteria, enzymes, transport in/out of cells, cells and control - mitosis, stem cells, nervous system		Genetics - DNA structure and extraction, gene mutation and variation, meiosis, sexual reproduction, genetic diagrams, Human Genome Project		Natural selection and genetic modification - selective breeding, evidence for evolution, fossil evidence, human evolution, classification	
Physics	Forces and motion - movement energy, calculating speed, turning forces, machines force and fields - force fields, static electricity, current electricity, resistance, electromagnets		Conservation of energy - stores and transfers, efficiency, keeping warm, non-renewable and renewable energy,		The particle model, forces and matter - particles, density, energy, changes of state, gas temperature and pressure, volume, Waves - types of waves, wave speeds, refraction	
PE	Yr 9 students will have access to a range of sports and activities throughout the year, with opportunities to develop confidence, apply physical skills and engage in cooperative and competitive activity with others.					
RE/PSHE	Rugby, netball, basketball, badminton, fitness, OAA (Outdoor Adventurous Activities), dodgeball, endball	Rugby, netball, basketball, badminton, fitness, walking, OAA (Outdoor Adventurous Activities), dodgeball, endball	Rugby, netball, basketball, badminton, fitness, walking, OAA (Outdoor Adventurous Activities), dodgeball, endball	Rugby, netball, basketball, badminton, fitness, walking, OAA (Outdoor Adventurous Activities), dodgeball, endball	Dodgeball, fitness, longball, cricket, rounders, softball, tennis, athletics	Dodgeball, fitness, longball, cricket, rounders, softball, tennis, athletics
	People of Faith - Martin Luther King, Rosa Parks, Gandhi, Nelson Mandela, Malala Yousafzai	Religion, peace and conflict 1 - violence and conflict, peace and peace-making, forgiveness and reconciliation, pacifism	Religion, peace and conflict 2 - Nobel Peace Prize winners, Just War Theory, social injustice	Life after death - Christian ideologies of heaven, hell and purgatory, physical vs spiritual Christianity and Islam	Medical Ethics 1 - contemporary views on abortion, euthanasia etc., Christian, Roman Catholic, Quaker views	Medical Ethics 2 - comparison of Christian and Islam views on key issues
Personal Identity and Diversity in Society - self esteem and self confidence, cultural and social differences, Britain as a diverse society		3 x Yr 9 PSHE lessons will be delivered at the teacher's discretion throughout the year			Internet Safety and Online Dangers - keeping information safe, passwords, online bullying, talking to people online, recognising the signs and dangers of grooming	
Separate Science	Students opting for Separate Science will study for three GCSEs in Chemistry, Physics and Biology respectively					
Chemistry	Separating matter - states of matter, methods of separating and purifying substances, atoms and the periodic table - atomic structure, elements	Bonding and structure - ionic bonds, covalent bonding, bonding models, molecular compounds, properties of metals, chemical change - acids and alkalis, bases and salts, neutralisation, reactions with metals and carbonates		Masses and metals - obtaining and using metals, properties and reactivity of metals, ores, transition metals, alloys, corrosion, alloys		
Biology	Cells - plant and animal cells, microscopes, bacteria, enzymes, energy in foods, osmosis, cells and control - mitosis, growth in animals and plants, stem cells, nerves and neurotransmission, the brain, the structure of the eye		Genetics - DNA structure and extraction, gene mutation and variation, meiosis, sexual reproduction, genetic diagrams, Human Genome Project, protein synthesis, codominance, sex-linked genetic disorders		Natural selection - evidence of evolution, selective breeding, fossil evidence, human evolution, classification, genetic modification - tissue cultures, genes in agriculture and medicine, fertilisers and biological control	
Physics	Forces and motion - movement energy, calculating speed, turning forces, machines force and fields - force fields, static electricity, current electricity, resistance, electromagnets		Conservation of energy - stores and transfers, efficiency, keeping warm, non-renewable and renewable energy, astronomy - the Solar system, gravity and orbits, life cycle of stars, red shift, origins of the universe		The particle model, forces and matter - particles, density, energy, changes of state, gas temperature and pressure, pressures in fluids, upthrust, waves - types of waves, wave speeds, refraction	
Computer Science	Hardware - input/output devices, memory, storage, keyboard, mouse, motherboard, networks and networking equipment	Logic - binary/denary, binary/hex, logic gates, and/or/not	Programming - building on Python skills and commands, data constructs, string manipulation lists, arrays, data dictionaries, Arduino and physical computing	Computational Thinking - pattern recognition, decomposition, abstraction, problem solving and algorithms	Software - operating systems, applications, utilities	Physical Computing - microbit, Arduino and Raspberry Pi
History	Crime and Punishment, 1250 to present: Medieval Britain c.1250 to c.1500 - crimes, law and order, policing, capital punishment, Early Modern Britain c.1500 to c.1750 - religious/social changes, vagrancy and witchcraft, law and order including the church and courts, the Bloody Code, Industrial Britain c.1750 to c.1900 - enlightenment, urbanisation, political change, increase in crime, the police force, prisons and prison reform, transportation to Australia, Britain since 1900 - technological/social changes, crime rates, changes in enforcement and punishment	The Elizabethans, 1580 to 1603: Elizabeth and government - the court, patronage, the Privy Council, rebellion, Puritan opposition, Catholics - the threat of catholicism, links abroad, plots and spying, the Armada and war with Spain, Daily lives - rich/middle/poor Elizabethans, family life, poverty, Popular Culture - Merry England? Theatres and opponents, attack on pastimes, persecution of witches, The wider world - imperial ambition, Elizabethan adventurers, attempts at an American colony, trade with the East				
Geography	Physical Landscapes in the UK (Coasts) - upland/lowland areas and river systems, wave types and characteristics, coastal processes, geological structures and rock types, coastal forms such as platforms/headlands/bays, coastal management, soft/hard engineering	Physical Landscapes in the UK (Rivers) - profiles of rivers and valleys, fluvial processes e.g. erosion/transportation/deposition, creation of landforms such as waterfalls/meanders/levees, flooding and flood management (Boscastle case study), Cardinham Woods fieldwork		Resource management - the role of food, water and energy to economic and social wellbeing, demand and provision of resources, food supply, irrigation, sustainable approaches, organic farming, permaculture, sand dams and water problems		
French	Family and friends - self and family, getting along, using avoir and être, reflexive verbs	Social media and mobile technology - pros and cons of online communication, using social media/mobile phones, using avec, sans, grâce à, pronouns - moi	Free time - TV/music/film, activities in past tense, sport, revising past/present tense and complex sentences	Home and town - house, furniture and chores, types of houses, surroundings, revising position of adjectives and negative phrases	My studies - school and school subjects, school day, school rules, forming longer sentences, describing physical properties	
Spanish	Family and friends - self and family, getting along, personal/future relationships, using ser and estar, present tense, reflexive verbs, immediate future, adjectives and opinions	Social media and mobile technology - pros and cons of online communication, using social media/mobile phones, prepositions, por and para, perfect tense, preferite tense		Free time - TV/music/film, activities in past tense, sport, food and meals, irregular present tense, future/immediate future, developing complex sentences		
Animal Care	Animal Welfare (Unit 3)- the roles animals have in society, how to be a responsible pet owner, the laws that govern animal ownership and welfare Gaining evidence of practical skills - feeding, handling and mucking out			Animal handling, housing and accommodation (Units 2 and 4) - collating evidence and research to independently complete coursework tasks		
Art	Project Work (titles change and evolve each year) - currently 'Altered State' - revisiting observational drawing, and different media e.g. pencil/pen/watercolour/paste/acrylic, revisiting print methods, textile techniques, artist research and individual enquiry	Print development - block printing, pattern layering, repeat prints, introduction to artist influences		Embedding techniques - opportunities to consolidate techniques through further experimentation and development of skills		
Business Studies	Basic Introduction to Business - sources of finance, human resources, enterprise, financial documents, marketing, types of business ownership, stakeholders, organisation structures	£10 challenge - mission statement, job roles, finance plan, marketing plan, operational plan, forecast of sales		Business Challenge (RO65) - researching and costing a business proposal, market research, presenting data, using idea generation tools, seeking and acting on feedback		
Construction and the Built Environment	Introduction to Construction Technology - identify structural elements of low-rise building, construction of sub-structures and super-structures	Introduction to Construction Drawing Techniques - understanding the requirements and production of construction drawings	Introduction to Carpentry and Joinery - tools, materials and equipment, safe techniques of creating timber joints	Introduction to Brickwork and Blockwork - tools, materials and equipment, practical skills and safe techniques	Introduction to Painting and Decorating - tools, materials and equipment, safe techniques to complete surface preparation tasks and apply surface finishes	
Dance	Introduction to Jazz Dance - expectations, safe practice, diet, nutrition and injury prevention, Section A exam content - technical, expressive, mental and physical skills	Performance - class dance showcased at annual Dance Platform. Choreography, practice and refinement, dress and technical rehearsals, Section A practice questions mock exam. General technique in contemporary, jive and street dance	Infra by Wayne McGregor (anthology work 1) - choreographic intentions and practical exploration, Introduction to Ballet and Contemporary techniques - neo-classical style	Infra analysis and performance assessment. Developing technique and basic choreographic skills	Shadows by Christopher Bruce (anthology work 2) - choreographic intentions and practical exploration, Introduction Contemporary and contact techniques	Embedding techniques - revision Section A, Infra and Shadows, Mock written exam, Shadows class dance in Summer Showcase
Digital Information Technology	Investigating different types of interfaces and their uses and how hardware and software affects the user experience	Design a user interface focusing on the elements and visual aspects whilst keeping the user engaged	Investigate Project methodologies and the basic tools required to plan a project. Defining the project requirements and the potential restraints and risks involved	Create sketches and storyboards, define the hardware, software and testing strategy. Creation of PERT and GANTT charts to meet a project plan timescales	Review a developing and functional user interface demonstrating the key aspects of the working interface	Refine the user interface and review the project planning techniques used throughout the whole project. Did the project go as planned or did it go over schedule?
Drama	Introduction to GCSE Drama - content and demands, tour of stage and elements of theatre, history of theatre, different styles and practitioners	Devising drama from stimulus: 'A Twit in the Tale' - establishing intention, audience, themes, style, genre, devising strategies, different performance spaces	Exploring set texts: 'Hansel and Gretel and 'Blood Brothers' - researching social, historical, cultural context, key scenes, tension, character, style, staging	Willing about drama - model answers and written responses to exam style questions, reviewing live theatre	Texts in practice: 'Romeo and Juliet' - use a range of methods to create scenes, scripting drama, different styles and practitioners	Rehearsing performance pieces - performing to younger audiences and the public
Food Preparation and Nutrition	Fruit and vegetables - classification, growth, organic varieties, seasonality, nutritional value, dietary fibre, water, vitamins and minerals, nutrient requirements, effects of oxidation and heat	Butter, oils, margarine, sugar and syrup - growth and processing, organic vs non-organic, oil types, sugar cane and beet, refining, food miles, classifications, calories, un/saturated fats, diet	Meat, fish, poultry and eggs - processing and preservation, fishing and farming, food hygiene and safety, protein/iron/omega 3, chemical and physical structures of meat, egg whites/yolks, coagulation/foaming	Cereals (bread, pasta, flours and breakfast cereals) - GM crops, growth and processing of wheats, grain structures, nutritional values, carbohydrates, dietary considerations	Milk, cheese and yoghurt - prices and impact on farmers, wastage and sustainability, rearing of animals and milking, dairy alternatives, types of milk/cream/cheese, protein and fats, processing	Soya, tofu, beans, nuts and seeds - cultivation and processing, organic vs non-organic, seasonality, preservation, protein, fibre, nutrients, dietary considerations
Graphic Design	Software tutorials A series of technical tutorials that equip them with the skills and knowledge of Adobe Illustrator and Photoshop	Explore design principles Learners will develop an understanding of the design principles that underpin the whole course	Explore the work of other designers Learners will explore the work of other designers while creating work inspired by their processes	Respond to a design brief: Movie Poster Learners will develop an outcome based on their given brief	Respond to a design brief: Book Cover Learners will develop an outcome based on their given brief	Respond to a design brief: Board Game Learners will develop an outcome based on their given brief
Hair and Beauty	Customer Service Skills - personal development, working with others, awareness of health and safety, behaviour in a practical environment	Understanding Mental Health-mental health conditions, the factors affecting mental health and the impact of mental health from a global, individual and workplace perspective. Develop awareness of the types of support for people with mental health conditions. Skill building in Hair and Beauty in preparation for practical assessments in Yr10.			Woods Browning Collaboration- A repurposed create including makeup, uniform/garment and accessories to help raise awareness and interest, supporting the cause for change.	
Health and Social Care	Life Stages & PIES- understanding the changes and developments that take place through life	Care Values: Understanding each of the care values and how they support care values underpinning healthcare services, different healthcare services and their roles. Begin Lifestyle Factors affecting Health Understanding how life style can affect growth and development	Factors Affecting Health & Wellbeing: Understanding how life style can affect health and wellbeing , understanding how social/cultural and economic factors can affect growth and development	Factors Affecting Health and wellbeing: Understanding how social/cultural and economic factors can affect growth and development. Professionals, Services, Barriers: understanding different types of HSC professionals, types of services, and the barriers to services	VTCT Level 1 AWARD Equality & Diversity: Understand equality and diversity and appreciate its value in society	Health Indicators: Know how to measure physiological health, and how to interpret data. Understand the potential significance of abnormal readings. Introduction to NEW spec - awaiting its release to know what this exact topic will be like.
Media Studies	Introduction to Theoretical Framework - analysis, creating and editing still imagery, Photoshop & Photography	Media Language & Representation - analysing, genre, terminology, creating and editing moving imagery, Movie, Photoshop	BBC Young Reporter - practical TV journalism, planning, writing, filming and editing a TV news show	Industry & Audience - ownership & targeting audiences, logo design & marketing, Photoshop, Illustrator & Web Design.	Lights, Camera, Action! - analysis of films covering all theoretical framework, marketing, audiences, genre, representations. Further skills development	Careers/ projects in Media - responding to client briefs, exploring a range of contexts and mediums
Music	Introduction to GCSE Music, The elements of music, basic musical literacy, Solo Performance skills and exploring methods of composition	The elements of music, developing musical literacy, Ensemble performance skills, exploring tools for and methods of composition	The elements of music, developing musical literacy, Solo performance skills, exploring composition: creating melody.	Exploring Musical Forms and Devices, Solo Performance Skills, exploring composition: developing a melody.	Exploring Musical Ensembles, Ensemble Performance Skills, exploring composition: Harmony and tonal centres.	
Students opting for PE in KS4 will be coursed appropriately for either GCSE PE or Vcert Health and Fitness depending upon sporting and academic ability						
PE (GCSE)	Applied Anatomy and Physiology - the structure and function of the skeletal system	Applied Anatomy and Physiology - the structure and function of the muscular system	Physical training - components of fitness	Physical training - applying the principles of training (overload, progression, reversibility), preventing injury in physical activity and training		Mop up/ Catch up / Recaps End of year test
Health and Fitness NCFE	The skeletal system and the muscular system			The cardiovascular system, respiratory system and energy system		
Photography	Identify - research and experimentation with basics of Photoshop and camera use	Hidden identity - photoshop and photography workshops around identity	Marco Photography - how to change aperture and depth of field	Animation - stop motion and animation using iMovie and Photoshop	Shutter speeds - long exposure and light drawings, freeze motion, fast shutter speeds	T-shirt business - business design, T-shirt making, fashion marketing images
Engineering	Wall clock - vacuum formings, properties of plastics, design principles and approaches, tolerance and dimensioning, interpreting and producing technical drawings, prototyping, Marble run - calculating speed, forces, friction and card modelling.	Phone Stand - using different materials (wood/plastic), applying finishes, electronics, properties of metals, energy generation and storage, mechanisms and forces, design principles, technical drawings, prototyping, Bridge Building - forces, structures, geometric shapes and concentration of stress			Memory stick casing - properties of wood, paper and board, CAD and CAM, measurement and production aids, standard components, sustainability and the environment, material finishes, technical drawing, prototyping, Computer Aided Design and 3D printing - Using Inventor, modelling in Inventor and slicing SLT into G code enabling 3D printing. Setting up and maintaining a printer	
RE (GCSE)	Introduction to Islamic Belief - core beliefs, nature of Allah, prophethood, Qur'an, angels, eschatological beliefs, life after death, differences between Shi'a and Sunni Muslims, Islamic practices - Zakat, Sawm and Hajj/Five Pillars of Islam, festivals and special days, Eid and Ramadan, halal and haram food			Introduction to Christian Belief - core beliefs, the nature of God, the Trinity, Jesus, the Bible, differences between Roman Catholic and Anglican Christians, Christian practices - worship, sacrament, prayer, pilgrimage (Lourdes), monks and nuns, festivals and special days		
Textiles	Practical textile skills - seams, hems, darts, pleats, gathers, zips, basic sewing skills	Design skills - shading, watercolours, drawing and fashion illustration	Decorative textile skills - silk painting, transfer paint, batik, applique, beading and sequins, hand and machine embroidery	Corset project - design and make a corset, research corsets past and present, shapes and styles, designers, natural form, shape, responding to brief, decorative techniques		