

Year 9 Curriculum Overview

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
CORE CURRICULUM	English	Narrative Writing (Language) - narrative structure, sentence variation, punctuation, vocabulary, creative writing	Adventure Writing (Language) - non-fiction text types, comparison, comprehension and analysis	Detective Fiction (Literature) - introduction to GCSE Literature, study of conventions of detective genre e.g. Sherlock Holmes	Conflict Poetry (Literature) - study of war poetry and introduction to GCSE conflict based poems (Owen, Tennyson etc)	Romeo and Juliet (Literature) - Shakespearean context, plot/characters/themes, analysis of language, effect on audience		
	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, types of substance		Fuels and atmosphere - fuels, hydrocarbons, crude oil and natural gas		
	Biology	Cells - plant and animal cells, microscopes, bacteria, enzymes		Nerves and growth - mitosis, stem cells, nervous system, genetics - DNA, gene mutation, meiosis		Natural selection - evolution, breeds and variety, genetic modification		
	Physics	Forces - calculating speed, work done and power, conservation of energy - stores and transfers, efficiency, warmth, renewable and non-renewable energy resources		The particle model - density, energy, changes of state, forces and matter - bending and stretching, extension and energy transfers		Radioactivity - atoms, electrons, types of radioactivity, radioactive decay, dangers		
	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.						
		Football, rugby, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Football, rugby, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Football, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Football, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Dodgeball, fitness, longball, cricket, rounders, softball, tennis, athletics	Dodgeball, fitness, longball, cricket, rounders, softball, tennis, athletics	
	RE/PSHE	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
		3 x Yr 9 PSHE lessons will be delivered at the teacher's discretion throughout the year (1 per term)						
	Personal Identity and Diversity in Society - self esteem and self confidence, cultural and social differences, Britain as a diverse society		First Aid and Self Harm - understanding self harm, basic first aid skills, what to do if someone injures themselves		Internet Safety and Online Dangers - keeping information safe, passwords, online bullying, talking to people online, recognising the signs and dangers of grooming			
SUBJECTS - Students select at least one as a compulsory option	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 bonding		Bonding and structure - covalent bonding, bonding models, acids and alkalis - bases and salts, neutralisation, reactions with metals and carbonates		Masses and metals - obtaining and using metals, transition metals, alloys, corrosion		
	Biology	Cells - plant and animal cells, microscopes, bacteria, enzymes, nerves and growth - mitosis and cancer, stem cells, nervous system, neurones and synapses		Genetics - DNA, gene mutation, meiosis, blood groups, variation and human genomes, coding and non-coding DNA		Natural selection - gene mutation, evolution, antibiotic resistance, genetic modification, classification		
	Physics	Forces - calculating speed, work done and power, conservation of energy - stores and transfers, efficiency, warmth, renewable and non-renewable energy, astronomy - solar system, gravity and orbit, life cycle of stars, red-shift, origins of universe		The particle model - density, energy, changes of state, forces and matter - bending and stretching, extension and energy transfers, pressure, upthrust		Radioactivity - atoms, electrons, types of radioactivity, radioactive decay, dangers, medicine, nuclear energy, fission and fusion		
	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	Trends in computing - research and development of technology in last 80 years, impact on society, pros and cons	
	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/middling/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		The Changing Economic World - classification of parts of the world based on quality of life and economic development, DTM model, causes of uneven development, tourism in Jamaica, Nigeria case study, changes to UK economy, employment and growth		

EBACC SUB:	French	Family and friends - self and family, getting along, using <i>avoir</i> and <i>être</i> , reflexive verbs	Social media and mobile technology - pros and cons of online communication, using social media/mobile phones, using <i>avec</i> , <i>sans</i> , <i>grâce à</i> , pronouns - <i>moi</i>	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 <i>ser</i> and <i>estar</i> , 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, <i>por</i> and <i>para</i> , perfect tense, preterite tense		Free time - TV/music/film, activities in past tense, sport, food and meals, irregular present tense, future/immediate future, developing complex sentences		
OPTIONS SUBJECTS - students select up to three of these to complete their four options	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 ' and ' Who are you? ' - revisiting observational drawing and different media e.g. pencil/pen/watercolour/pastel/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 Contemporary Dance - expectations, technique linked to actions/ space/ dynamics/ relationships, choreographic devices, features of production, performance environments	Creating and refining dance - choreography, practice and refinement, dress, technical rehearsal, spacing, expressive, physical and mental skills	Mary Poppins - choreography and rehearsal, safe practice, flexibility/ strength and stamina, Infra - choreographic intentions, practical exploration	Introduction to Ballet - ballet technique classes, origins of ballet and its traditions, discipline and organisation	Dance devices - motifs using ASDR, motif development, structure and transitions, improvisation, refining physical/ expressive and mental skills	Embedding techniques - opportunities to consolidate techniques through further experimentation, choreography and development of skills	
	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 Twist 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	Writing 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 Products	The work of designers and software skills - Photoshop, Illustrator, vector-based graphics, photo manipulation	Design communication: responding to brief - packaging and sale, client needs, design solutions, recording ideas using a range of drawings and diagrams, dimensions	Sustainability and the environment - promoting sustainable products to an audience, model making, ergonomics	Materials and their properties - selecting suitable techniques and processes for materials, shaping and constructing high quality prototypes, book design and making	New and emerging technologies - digital skills, creating magazines/zines, problem solving	Board game design - materials and their properties, model making,	
	Hair and Beauty	Customer Service Skills - personal development, working with others, awareness of health and safety, behaviour in a practical environment		Creating a hair and beauty image using colour - exploration of creative skills		Nail art - skills building to promote accuracy and dexterity		
	Health and Social Care	PIES and Maslow - fundamental principles of Health and Social Care	Lifespan development - understanding the changes and developments that take place through life	Life factors - impact of diet, exercise, personal hygiene, alcohol, smoking, drugs, and understanding associated conditions	Relationships - friendship, romantic relationships, family, positive and negative impact on PIES	Physiology and Anatomy - systems in the body, associated diseases and disorders	Care Values and Services - values underpinning healthcare services, different healthcare services and their roles	
	Media Studies	Introduction to Print Media - analysing, creating and editing still imagery, Photoshop	Introduction to Moving Image - analysing, creating and editing moving imagery, iMovie, Premiere Pro, AfterEffects	BBC School Report - practical TV journalism, planning, writing, filming and editing a TV news show	Introduction to Web Design - designing, building and publishing a portfolio website	Documentary film making - evaluating the impact of non-fiction film making on society	Careers/ projects in Media - responding to client briefs, exploring a range of contexts and mediums	
	Music	Introduction to GCSE Music - theory note names, time values, bar lines and time signatures, writing on a staff, letter names on treble/bass clef	Traditional music theory and notation 1 - semiquavers, rests, ties/slurs, dotted notes, accidentals, tones/semitones, scales and key signatures (C,G,D,F), degrees of scale	Traditional music theory and notation 2 - intervals, tonic triads, cancelling accidentals, upbeats and note groupings, composing answering rhythms, grade 1 exam	Traditional music theory and notation 3 - ledger lines, time names and values, time signatures, triplets, groupings of notes, composing 4 bar rhythms	Traditional music theory and notation 4 - groupings of rests, scales and key signatures (A,Bb,Eb major and A,E,D minor), intervals tonic triads	Traditional music theory and notation 5 - degrees of the scale, tempo markings, style and mood markings, grade 2 exam	

Students opting for PE in KS4 will be coured 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	Reviewing physical training - evaluation of progress, revisiting and embedding key knowledge and skills	
Health and Fitness (VTCT)	The skeletal system and the muscular system		The cardiovascular system, respiratory system and energy system		Short and long term effects of exercise on the body	
Photography	Identity - 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
Product Design	Wall clock - vacuum formings, properties of plastics, design principles and approaches, tolerance and dimensioning, interpreting and producing technical drawings, prototyping		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		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	
RE (GCSE)	Introduction to Islamic Belief - core beliefs, nature of Allah, prophethood, Qu'ran, 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, printmaking, mark making	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		

ASTORAL	Occupational Skills	Working with others - teamwork, problem solving, communication, trust, sharing ideas and roles	Healthy lifestyles and personal well-being - exercise, diet, drug abuse, relationships, mental health, e-safety	Action planning to improve performance - setting targets, recognising personal areas of strength and development both within and outside of college	Workplace and vocational skills - identifying and researching potential study and career pathways, possible work placements	Community studies and local history - gain knowledge of Bodmin and surrounding area, significant history and geographical factors, future developments	Managing money and personal finance - managing a budget, understanding financial concepts e.g. tax, savings, , payslips, bank accounts, credit
	Careers	Competition launched in assembly - Step into the NHS (research careers and job descriptions within the NHS)		Careers Fair - January	'Why would you?' Theatre production (Aspirations - higher education)	Exeter University Mentoring	Army Challenge, Career Pilot workshop