

Year 9 Curriculum Content Overview 2021-22

Year 9	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	Food and Drink	Food and Drink	Food and Drink	Portraits	Portraits	Portraits
Business	Business in the real world	Business in the real world	Influences on business	Influences on business	Business operations	Business operations
Biology	Investigating photosynthesis and inheritance	Cell structure and division	Transport in cells	Tissues, Organs and Organ systems	Health and disease Enzymes and digestion	Examination preparation, intervention, and research project.
Chemistry	Science Investigation skills	Atomic Structure	Periodic Table	Chemical Bonding	Structure and properties of matter	Energy Changes
Chinese	Transport & weather	School uniform	Daily routine	Healthy Diet	Unhealthy diet	Jobs MEP Exam
Computer Science	How do computer scientists solve problems? - Problem solving - Programming techniques - Algorithmic thinking	What happens with data? - Binary - Data types - Data structures - Legal and ethical issues	What factors affect the performance of a computer? - CPU - Memory - Storage - Programming skills	Can we program computers to think like humans? - Chat bots - Sequence, selection and iteration - Algorithmic thinking	The Longleat Project: - Design - Test - Write - Refine - Programming techniques	What have I learnt this year: - End of year assessment - Revision and application - Digital media: data
Creative Media	Skills and Techniques: - Image design and manipulations: Intro to Photoshop - Sequencing: Storyboards	Digital Media overview. 1 Graphics: purposes and uses of digital graphics - Logo design - Book cover & DVD sleeves	Digital Media overview: Sound: Samples and production Game Design: Genres, elements of a game, construction	Digital Media overview: - File and data types. - Hardware - App design and development	Digital Media Project: Music Festival - Logo - Flyer - Website - Spreadsheet	Music Festival Project: - Animation - Sound samples - Podcast - Promotional video

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	and camera angles		and 8 generations of consoles			
Design & Technology	Desk Tidy • Hardwoods, softwoods & manmade boards. • Sustainability. • Product designing, modelling & testing. • Wood processes. • Material construction and joining. • Wood finishes.	Desk Tidy • Hardwoods, softwoods & manmade boards. • Sustainability. • Product designing, modelling & testing. • Wood processes. • Material construction and joining. • Wood finishes.	Heatwave (Desk Fan) • Electronics, circuits and soldering. • Polymers. • Thermoplastics. • Environmental issues. • Sustainability. • Material manipulation.	Heatwave (Desk Fan) • Electronics, circuits and soldering. • Polymers. • Thermoplastics. • Environmental issues. • Sustainability. • Material manipulation.	Yum Scrum (Packaging Design) • Working with paper, cards and boards. • Box net design. • Customer & product research. • Product modelling. • Graphics and technical drawing. • Prototype development.	Keyring • Ferrous, non-ferrous metals and alloys. • Creating and using natural and man-made casting moulds. • Casting metals. • Metal work design. • Combining different materials.
Drama	Brecht Issue Based Theatre	Text Noughts and Crosses Race theme	Text: When they Go Low Theme Gender	Practise Component 1 based on themes from When They Go Low	Monologues and DNA	Devising project
English	Romeo and Juliet Writing to describe	Romeo and Juliet Writing to describe	Frankenstein Non-fiction reading and writing	Frankenstein Non-fiction reading and writing	Anthology Poetry	Reading for pleasure. Enrichment texts
Food	Fruits and vegetables	Food safety Grains	Dairy foods	Fish	Healthy eating: the official advice	Sauces – theory and practice + preparing for written exams

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French	Identity – family, friends & home	Identity – marriage & relationships	Leisure & Health	Leisure & Health	Holidays	Holidays
Geography	Geographical Skills	Landscapes and physical processes - Coasts	Landscapes and physical processes - Rivers	Rural Urban links	Rural Urban links	Coastal hazards and their management
German	Identity – family, friends & home	Identity – marriage & relationships	Leisure & Health	Leisure & Health	Holiday	Holiday
History	Europe in 1900, WWI and its impact on Germany	The early years of the Weimar Republic in Germany	Hitler's rise to power in Germany	Life in Nazi Germany and the Holocaust	WWII and life in the USSR under Stalin	Post war Europe and the beginning of the Cold War
Maths Foundation	• Writing Ratios • Ratios • Conversions using ratios • Problem solving with ratios • Proportion Graphs • Problem solving Proportion • Co-ordinates • Linear Graphs	• Real Life Graphs • Distance Time Graphs • Translation • Reflection • Rotation • Enlargement • Describing Enlargements • Combining Transformations	• Pythagoras Theorem • Trigonometry • Calculating Probability • Two way tables • Sample space diagrams • Experimental Probability	• Venn Diagrams • Probability Trees • Percentages • Growth and Decay • Compound Measures • Distance, Speed and Time	• Non Linear Graphs • Simultaneous Equations • Rearranging formula • Proof • Expanding double brackets	• Factorising Quadratic Expressions • Solving quadratic Equations • Circumference and area of circles • Semi Circles and Sectors • Cylinders • Pyramids and Cones • Spheres
Maths Higher	• Number Problems and Reasoning • Place value and estimation • HCF and LCM • Indices	• Algebraic Indices • Expanding and Factorising • Equations • Formulae	• Statistical Diagrams • Time Series • Scatter Graphs • Using Graphs • Fractions	• Fractions, decimals and Percentages • Angle properties of triangles and quadrilaterals	• Perimeter and Area • Units of accuracy • Prisms • Circles	• Cylinders and spheres • Pyramids and Cones • Sampling • Cumulative Frequency

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	- Standard Form - Surds	- Linear Sequences - Non Linear Sequences	- Ratios - Proportion - Percentages	- Interior and Exterior angles - Pythagoras' Theorem - Right angled Trigonometry	Sectors of Circles	- Box Plots - Histograms - Populations
Music	Area of Study 5: Popular Music since 1950 Music Theory Work	Area of Study 5: Popular Music since 1950 Music Theory Work	Area of Study 3: Rhythms of the World Solo Performance Work	Area of Study 3: Rhythms of the World Solo Performance Work	Area of Study 2: Concerto Through Time Composition work	Area of Study 2: Concerto Through Time Composition work
PHSE	Peer influence, substance use and gangs Healthy and unhealthy friendships, assertiveness, substance misuse, and gang exploitation	Respectful relationships Families and parenting, healthy relationships, conflict resolution, and relationship changes	Community and careers Equality of opportunity in careers and life choices, and different types and patterns of work	Healthy lifestyle Diet, exercise, lifestyle balance and healthy choices, and first aid	Employability skills Employability and online presence Team building/Relationship	Intimate relationships Relationships and sex education including consent, contraception, the risks of STIs, and attitudes to pornography
Philosophy & Religious Education	The Truman Show, Philosophy and ethics	Environmental ethics 1: Attitudes to the environment	Environmental ethics 2: Issues: Justice, Animals, Nuclear Power and future generations	Social and Civic Values: Democracy	Belief and Culture from the Ice Age to Stonehenge	Philosophy and Religions of the Silk Road: Hinduism, Buddhism, Confucianism
Photography	Analysing Objects	Analysing Objects	Analysing Objects	Image and Identity	Image and Identity	Image and Identity
Physical Education (Core)	Netball/ Dance / Basketball/ HRE / Rugby	Netball/ Dance / Basketball/ HRE / Rugby	Football / table tennis/ badminton/ futsal/ volleyball	Football / table tennis/ badminton/ futsal/ volleyball	Striking and fielding / tennis/ athletics / volleyball	Striking and fielding / tennis/ athletics / volleyball

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Physical Education (GCSE)	Benefits of exercise, Impact of sedentary lifestyle, somatotypes.	Nutrition, Components of fitness, fitness testing.	Using data principles of training, Methods of training, training intensities.	Preventing injury, Training Seasons, Warming Up and Cooling Down.	Structure and function of the skeleton, types of joints, movement analysis. antagonistic muscle pairs	Muscular contraction, pathway of air, mechanics of breathing, reading a spirometer.
Physics	Investigating motion and forces	Energy	Energy	Electricity	Electricity	Energy and electricity review
Religious Studies	The Strands of Religious Studies, Religion and Life	Religion and Life, Christian beliefs	Christian Beliefs, Religion peace and Conflict	Religion, Peace and conflict Islam beliefs	Islam beliefs Review of learning	Christian Beliefs
Science (dependent on rotation)	Investigative Skills	Investigative skills	Cell Biology Atomic Structure	Atomic Structure Energy	Organisation Periodic Table	Periodic Table Energy resources
Spanish	Identity – family, friends & home	Identity – marriage & relationships	Leisure & Health	Leisure & Health	Holidays	Holiday