

## Year 8 Curriculum Outline

	Autumn Term	Spring Term	Summer Term
Art	Portraiture: Chiaroscuro Rembrandt, Cubism Picasso	Cubism into Modernism: explorations of abstraction in nature	Hepworth inspired sculptures in clay
Biology	Bones and Muscles Aerobic Respiration	Anaerobic respiration Plants and Photosynthesis	Food webs and ecological interactions
Chemistry	Elements, atoms and compounds Separation methods	Separation methods Metals and acids	Metals and acids Earth's Science
Computer Science	Digital file management - using the network effectively. Compression of files Programming languages Machine code Further functionality of Word and Excel E Safety – personal settings online Intermediate block programming at code.org	Computer hardware – The CPU, memory and storage. Smartphones, GPS and accelerometers. Variables Ethical considerations of digital technology E Safety - Malware Scratch – Virtual Pet - using procedures, variables, loops and lists	Heroes of Computing - looking at the history of Computer Science. BOOLEAN logic Logic gates Logic circuits Scratch – Virtual Pet – IF/Else statements, costumes and levels.
English	Fiction study 1: English Language and Literature skills Poetry unit: Literature skills	Study of the Gothic (includes 19th century extracts): Literature skills and creative writing Shakespeare play: Literature skills	Modern drama: Literature skills Study of literary non-fiction: Language skills
Design	Architecture and Interior Design: Producing 3Dimensional model outcomes	Modern and Smart Textiles: Printed t- shirts.	Graphics: Book cover design inspired by the Natural History Museum and Science Museum.



French	My life Free time– ‘I like’ + infinitive Friends – using ‘to be’ + adjective Learning nationalities Going out: present and future tenses Daily routine today and tomorrow Translations from target language to English and vice versa plus development of spontaneous speaking	Holidays Introduction to past tense - What did you do? Giving opinions Use of idiomatic expressions French speaking countries – resources, industry and geographical features. Translations from target language to English and vice versa plus development of spontaneous speaking	Fashion Describe clothes – adjective agreement School uniform – making comparisons Express and justify preferences , buying clothes in a shop – using superlatives Use of the near future Shopping for presents in town/city and learning about a particular place Translations from target language to English and vice versa plus development of spontaneous speaking
Geography	Hazardous Environments – including tectonic hazards (earthquakes, volcanoes and tsunamis), weather hazards (including cyclones and drought) and other hazards	Exploring Asia – investigating the changing physical and human geography of Asia, including changing cities, changing economies and changing populations	Investigating weather and climate – including the climate of the UK and undertaking a local weather project
History	The Wars of the Roses Henry VII and the foundation of the Tudor Dynasty	The reign of Henry VIII Royal magnificence Henry VIII and the break with Rome	The reigns of Edward VI and “Bloody Mary.” Elizabeth I -a woman in a man’s world? The Spanish Armada
Home Economics	Food Hygiene Understanding of dietary guidelines Food as nutrients	Sensory understanding of foods Understanding food groups and special populations Diet related disease	Design and make project- Cake design. Components include, marketing, presentation design, functions of ingredients, sugar understanding and history, business planning.
Latin	The Dative Case and Personal pronouns Life in Pompeii: Roman baths and education	Verbs which take the Dative Life in Pompeii: Elections and the eruption of Mount Vesuvius	Irregular Verbs and the Infinitive Roman Britain: every-day life in Britannia and Fishbourne Palace



Maths	Integers Formulae (expressions and substitution) Area and Perimeter (compound shapes and trapezia) Sequences Algebraic Manipulation Equations (solving and forming) Graphs (general equations and gradient)	Constructions Angles (angle facts) Circles (circumference and area) Arcs and Sectors Ratio Proportion Units of Measurement Real-Life Graphs	Accuracy (rounding) Units of Measurement 3D Shapes Volume and Surface Area Data Collection Average Calculations Average and Spread
Music	Classical Music Ternary Composing	Indian Music Descriptive Music	The Blues
Physics	Exploring Contact and Non-Contact forces	Magnetism and Electricity	Space Physics Planets, satellites and orbits Formation of the Solar System Formation of the Universe
Religious Studies	Hinduism: Beliefs and practices. Covenant	Eucharist The Sacraments	Christian Social Teaching: Mother Teresa and Oscar Romero
Spanish	My life Free time– me gusta + infinitive Friends – using ser + adjective Learning nationalities Going out: present and future tenses Daily routine today and tomorrow Translations from Spanish to English and vice versa plus development of spontaneous speaking	Holidays Introduction to past tense What did you do? Giving opinions Use of idiomatic expressions Latin America – resources, industry and geographical features. Translations from Spanish to English and vice versa plus development of spontaneous speaking	Fashion Describe clothes – adjective agreement School uniform – making comparisons Express and justify preferences , buying clothes in a shop – using superlatives Use of the near future Shopping for presents and learning about Spanish cities and regions Translations from Spanish to English and vice versa plus development of spontaneous speaking



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			Translations from Spanish to English and vice versa plus development of spontaneous speaking
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