YEAR 8 CURRICULUM MAP

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
English	**Power Poetry:** analysing dramatic monologue; iamb/trochee; line analysis; rhyme variation	**A Christmas Carol:** shaping a narrative using using chronology manipulation; plot development; endings	**Survival Novels**: analysing hero/anti-hero; plot twist/ back story/ reveal; cyclical structure	cliffhanger/suspense/ tension; Unreliable narrator; multiple narrators; third person limited narration	**The Gothic:** analysing drama for duologue; subplot; set; writing description using sound/contrast/hyperbole; writing rhetoric using contrast and exaggeration	**Emma**: analysing female writers and characters in literature; research/independent reading skills
Maths	**N4: Multiplicative reasoning** Ratio and proportion, compound measures	**G2: Perimeter, Area & Volume** Working out the perimeter, area and volume of 2D shapes including surface area	**A2: Solving Equations** Finding unknown quantities in equations of all types **G3: 2D Shapes & 3D Shapes** Properties of shape and extending the learning in this area from Year 7	**N5: Factors and powers** Factors and finding prime number decomposition of numbers, working with powers and roots, understanding the laws of indices	**S2: Probability** Working with probability in different ways to produce sample spaces, tree diagrams and work out the probability of conditional and unconditional events **A3: Sequences & graph** Continuing sequences, finding rules for sequences and identifying types of sequence in and out of context.	**N6: Fractions, decimals and percentages** Over view of all work on fractions decimals and percentages including compound interest **Preparation for Year 9**
Science	**Biology: Health and lifestyle** Introduction to the components of balances diet and the importance of maintaining health. Study the process of digestion and the roles of specific organs. Will look at smoking, alcohol and drugs and how each affect the body.	**Biology: Health and lifestyle** Introduction to the components of balances diet and the importance of maintaining health. Study the process of digestion and the roles of specific organs. Will look at smoking, alcohol and drugs and how each affect the body.	**Biology: Biological Processes** The process of photosynthesis and its importance for all life on Earth; the effect of plan minerals on plant growth with a ficus on aerobic respiration and anaerobic respiration.	**Biology: Ecosystems and adaptations** The relationship between food chains and webs and how this can result in bioaccumulation. Students study the interdependence of organisms and the adaptations of organism to enable them to be successful competitors and survive in harsh and changing environments.	**Biology: Inheritance** Introduces the concept of variation in characteristics in individuals within a species and determines whether these are a result of inherited variation, environmental variation or both. How evolution occurs through the process of natural selection, why some organisms become extinct, and the role of gene banks.	**Biology: Inheritance** Introduces the concept of variation in characteristics in individuals within a species and determines whether these are a result of inherited variation, environmental variation or both. How evolution occurs through the process of natural selection, why some organisms become extinct, and the role of gene banks.

Science	**Chemistry:** **Separating mixtures** This unit allows students to begin to use their chemistry knowledge to solve problems. It encourages linking of ideas about elements and compounds with knowledge of practical techniques. This unit introduces students to the use of separating techniques in industry. **Physics:** **Energy** In this topic, students will look at energy resources, stores and transfers. They will also look at how electricity is generated by both renewable and non-renewable energy resources. Students will then have a look at specific ways energy is transferred in solids, liquids and gases. Students will also study the links between energy, work done and power by looking at real-life scenarios.	**Chemistry:** **Periodic table** This unit introduces students to the periodic table as a tool for cataloguing and categorising the elements. It draws on the work of various scientists and illustrates how scientific ideas change over time. **Physics:** **Energy** In this topic, students will look at energy resources, stores and transfers. They will also look at how electricity is generated by both renewable and non-renewable energy resources. Students will then have a look at specific ways energy is transferred in solids, liquids and gases. Students will also study the links between energy, work done and power by looking at real-life scenarios.	**Chemistry:** **Chemical energy** This unit introduces students to the concept of thermodynamics on an accessible level. It gives context to why some reactions happen and some don't. It builds on prior knowledge of chemical reactions and encourages students to think about reactions on an atomic scale, including the making and breaking of chemical bonds. **Physics:** **Motion and pressure** This topic introduces students to speed, pressure and turning forces. Students will look at how motion can be described using distance time graphs. Students will then learn about pressure in gases, liquids and solids. Students will have the opportunity to develop their mathematical skills using equations.	**Chemistry:** **Metals and non-metals** This unit builds on students' knowledge of chemical reactions. It provides details of the reactions of metals which link to industries such as construction and engineering. Students are encouraged to investigate materials for uses and justify this based on the reactions of that material. **Physics:** **Motion and pressure** This topic introduces students to speed, pressure and turning forces. Students will look at how motion can be described using distance time graphs. Students will then learn about pressure in gases, liquids and solids. Students will have the opportunity to develop their mathematical skills using equations.	**Chemistry:** **Climate** This unit helps students understand the environment and how it is affected. The issue of global warming and climate change is discussed through a scientific lens, giving an awareness of the effect of human activity on the atmosphere. Students examine the ethical and moral cases surrounding extraction of materials and suggest how chemical processes can provide alternatives. **Physics:** **Electricity and magnetism** This topic introduces students to electric fields, current and magnetism. Students will learn how to build simple circuits and take measurements of current and potential difference using ammeters and voltmeters. Students will then study electromagnets and plan how to investigate the shape of magnetic fields.	**Chemistry:** **Earth's Resources** In this chapter, students will learn about the composition of the Earth and the atmosphere. They are reintroduced to the different types of rocks, learn how they are made, their properties and how their properties make them suitable for their uses. **Physics:** **Electricity and magnetism** This topic introduces students to electric fields, current and magnetism. Students will learn how to build simple circuits and take measurements of current and potential difference using ammeters and voltmeters. Students will then study electromagnets and plan how to investigate the shape of magnetic fields.

Computer Science	**Understanding Computers** Explore the fundamental principles of computer architecture, including input, output and storage devices, the Input-Process-Output cycle, and the Fetch-Decode-Execute cycle to understand how computers process and execute instructions.	**Binary, Representing Text & Sound** Explore how computers use binary to represent and store data, including numbers, text and sound, and investigate how encoding, sampling and file size affect digital information.	**Introduction to Programming with PYTHON** Develop fundamental programming skills using Python by learning how to design, write, test and debug programs. Students will explore variables, data types, input and output, selection and iteration, and use computational thinking to break down problems and develop solutions.	**Introduction to Computer Networks** Explore how computers and devices communicate across networks, including network types, hardware, wired and wireless connections, addressing, and network security.	**Introduction to Web Design with HTML** Explore how websites are structured and created using HTML, learning to use tags and elements to add content, images, links and lists while applying effective web design and accessibility principles.	**Image Editing** Develop image-editing skills by manipulating and enhancing digital images using tools such as layers, selections, cropping, resizing, effects and transformations, while exploring ethical issues around image editing.
Geography	**Africa** The danger of a single story. Africa's climates. Can we save the Sahel? Opportunities & challenges. Kibera. Trade with China.	**Population** Population distribution. Population change. Population pyramids. Development and birth rates. Migration and climate change. Rocinha, Rio de Janero. Government policies to control population size.	**Population** Population distribution. Population change. Population pyramids. Development and birth rates. Migration and climate change. Rocinha, Rio de Janero. Government policies to control population size. **Hazards & Rocks** Structure of the Earth. Rock types. Causes & effects of earthquakes & volcanoes. Predicting tectonic hazards. Hotspots. Super volcanoes. Tsunami. Why people live in hazardous areas.	**Hazards & Rocks** Structure of the Earth. Rock types. Causes & effects of earthquakes & volcanoes. Predicting tectonic hazards. Hotspots. Super volcanoes. Tsunami. Why people live in hazardous areas.	**Rivers & Glaciation** Drainage basins. River processes. Deltas Causes & effects of flooding. Glacier location, uses, processes & features Investigation locations using GIS. Climate change impacts.	**Energy & Natural Resources** Natural resource origins. Fossil fuels & climate change. Alternative energy. Middle East climate and economic opportunities. United Arab Emirates. Conflict in the Middle East.

History	**How did the Tudor monarchs change religion?** The Reformation and the religious policies of Henry VII, Henry VIII, Edward VI, Mary I and Elizabeth I. **Focus:** Change & continuity;	**What happened in the English Civil War?** Factors which have shaped the development of London. **Focus:** Evidence	**How did industrialisation change the lives of people in Britain?** Economic, political and economic impact of industrialisation. **Focus:** Causation; Consequences	**Why was the slave trade abolished?** The impact of the slave trade and the abolition of slavery. **Focus:** Causation; Consequences.	**Was the British Empire a force for good in India?** The impact of the British Empire on India. **Focus:** Interpretations	**How did women in Britain get the vote?** The campaign for women's suffrage. **Focus**: Causation; Interpretations
French	**Unit 1 Vive les vacances** Talking about the school holidays Revising the verb etre and avoir. Saying what you did during the holidays Using the perfect tense of regular –er verbs. Describing a visit to a theme park Using the perfect tense of irregular verbs. Saying where you and how. Using the perfect of verbs that take etre. Listening for negatives in the perfect tense	**Unit 1 Vive les vacances** **Unit 2 Vive les vacances suite** Using the perfect tense of irregular verbs. Saying where you and how. Using the perfect of verbs that take etre. Listening for negatives in the perfect tense. Asking and aswering questions	**Unit 2 Vive les vacances suite**	**Unit 3 J'adore les fetes** Talking about celebrations and festivals Saying what you like and dislike. Describing festivals and special days. Buying food at a market. Using transactional language. Talking about a future trip using the future tense.	**Unit 3 J'adore les fetes** **Unit 4 A loisir** Talking about celebrities and TV program. Talking about digital technology. Arranging to go to the cinema. Talking about leisure activities. Spotting synonyms. Using 3 tenses when speaking.	**Unit 4 A loisir** **Unit 5 Le monde est petit** Talking about where you live and describe it using pouvoir + infinitive. Discussing the weather. Using different strategies to decode words when reading Talk about daily routine using reflexive verbs. Talking about moving houses using irregular adjectives. Using 3 different tenses when writing
Spanish	**Unit 1 La gente** Talking about activities Describing friends using adjectives Describing celebrities Talking about Understanding nationalities	**Unit 1 La gente** **Unit 2 ¿Vamos a salir?** Talking about places in town Future activities Inviting someone to go out Making excuses 3rd person likes/dislikes	**Unit 2 ¿Vamos a salir?**	**Unit 3 Mis vacaciones** Where you went on holiday What it was like How you travelled What you did on holiday Additional details	**Unit 4 La comida** Mealtimes Time expressions Shopping for food Eating at a restaurant A past meal Likes and dislikes	**Unit 4 La comida** **Unit 5 De moda** Clothes School uniform Comparing Choosing an item What you wore in a fancy dress ball

Art	Introduction to the theme food and drink. Learning about the work of Sarah Graham and 2D responses.	Developing painting skills and 3D construction through ceramics.	Introduction to portraiture. Exploring and refining application of the formal elements.	Developing tonal self-portrait.	Exploring the genre of abstraction. Learning about the origins of the movement. Developing own visual responses.	Consolidating visual responses through a 3D outcome.
Citizenship	**Why is voting important? (Theme B)** The development of voting rights, the campaign for female suffrage, debates around the voting age and ways young people can participate in democracy.	**How do laws affect young people? (Themes A/B/C)** The purpose of law, justice and the Rule of Law, how laws change and how laws and legal rights affect young people.	**How Does the UK Criminal Justice System Address Crime and Punishment? (Theme C)** The criminal justice process from arrest to court, including legal rights, sentencing, different forms of punishment and restorative justice.	**How Does immigration Challenge Ideas of Equality and Rights in the UK? (Theme A)** Equality and discrimination, reasons for migration, immigration control and how UK law protects the rights of immigrants. 8.4 TEACHING GUIDANCE	**Who really holds the power in our society? (Theme D)** Power and influence in society, including social media, volunteering and lobbying, the responsibilities of the media and misinformation.	
Design Technology	**Food Technology – Practical Food Skills & Independence** • Developing practical skills and confidence to create dishes independently • Building essential cooking skills for leaving home and later life • Seasonality & food provenance • Food safety & hygiene • Nutrition & healthy eating	**Food Technology – Practical Food Skills & Independence** • Developing practical skills and confidence to create dishes independently • Building essential cooking skills for leaving home and later life • Seasonality & food provenance • Food safety & hygiene • Nutrition & healthy eating	**Food Technology – Practical Food Skills & Independence** • Developing practical skills and confidence to create dishes independently • Building essential cooking skills for leaving home and later life • Seasonality & food provenance • Food safety & hygiene • Nutrition & healthy eating	**Design & Technology – USB Lantern Project** • Sustained engineering and design project • Design movements as a source of inspiration • Timber construction & manufacturing skills • Electronics & circuitry • CAD skills • Card modelling & lantern development • Designing, making & evaluating a functional USB lantern	**Design & Technology – USB Lantern Project** • Sustained engineering and design project • Design movements as a source of inspiration • Timber construction & manufacturing skills • Electronics & circuitry • CAD skills • Card modelling & lantern development • Designing, making & evaluating a functional USB lantern	**Design & Technology – USB Lantern Project** • Sustained engineering and design project • Design movements as a source of inspiration • Timber construction & manufacturing skills • Electronics & circuitry • CAD skills • Card modelling & lantern development • Designing, making & evaluating a functional USB lantern
Students rotate between Food Technology and Design & Technology at February half term. The subject they start with will be determined in September.						
Drama	**The Stone (Status)** Exploring status, staging and cross-cutting in response to a script.	Ghost Stories – Design (Lighting and Sound)	Top Girls – Stanislavski and Naturalistic Acting	Paper Birds – Devising	A Midsummer Night's Dream – Staging and Blocking	Live Theatre Evaluation – Romeo and Juliet Top Girls - Devising

Music	Blues	Basslines and Riffs	Hip hop, Rap and Grime	Popular Music	Film Music	Reggae Band Project
Dance	Six the Musical.	Bollywood: Kathak and Bharatanatyam.	Dance Through Time (Charleston, Jive & Contemporary).	Gumboot Dance.	Hip-Hop- *Emancipation of Expressionism* by Kenrick H2O Sandy.	TikTok Unit of Work.
PE	Netball Football Tag Rugby Gymnastics	Netball Football Tag Rugby Gymnastics Training methods	Games- 1 (Handball, Hockey or Basketball) Gymnastics Training methods Net sports (volleyball or badminton)	Games- 1 (Handball, Hockey or Basketball) Gymnastics Training methods Net sports (volleyball or badminton)	Athletics Cricket Rounders OAA	Athletics Cricket Rounders OAA
Religious Studies	**Has modern science made belief in God unreasonable?** Explores religious and scientific explanations of the universe and human life, examining whether belief in God is compatible with the Big Bang and evolution.	**Has modern science made belief in God unreasonable?** Explores religious and scientific explanations of the universe and human life, examining whether belief in God is compatible with the Big Bang and evolution.	**What makes an action right or wrong?** Examines utilitarianism, divine command ethics and situation ethics, applying contrasting ideas about consequences, rules and love to moral dilemmas.	**What makes an action right or wrong?** Examines utilitarianism, divine command ethics and situation ethics, applying contrasting ideas about consequences, rules and love to moral dilemmas.	**Are we just brains and bodies, or something more?** Explores philosophical and religious views of the mind, body and soul, considering consciousness, personal identity and whether machines could ever think.	**Are we just brains and bodies, or something more?** Explores philosophical and religious views of the mind, body and soul, considering consciousness, personal identity and whether machines could ever think.