

Year 8 Curriculum Map



Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English	<p>Travel writing/ persuasive writing Please note that the writing and Vernon spelling tests need to be completed at the start of this term.</p> <p>This unit combines elements of the previous travel writing and persuasive writing units.</p> <p>Writing Assessment Outcome: Travel writing and persuasive writing.</p>	<p>Novel openings/ novel This unit combines elements of the previous novel openings and novel units.</p> <p>Reading Assessment Outcome: Analysis question based on an extract or the whole text – could be character or theme-based. For example: <i>How does the writer make the reader feel sympathy for Francis throughout Heroes?</i></p>	<p>Gothic Please note that the Star reading test needs to be done at the start of this term.</p> <p>Read a range of Gothic extracts and apply this to your own writing.</p> <p>Writing Assessment Outcome: Gothic story.</p>	<p>Shakespeare – The Tempest Reading Assessment Outcome: Analysis question based on an extract or the whole text – could be character or theme-based. For example: <i>How does Shakespeare present Prospero in The Tempest?</i></p>	<p>Narrative writing Please note that the Star reading test needs to be done during this term.</p> <p>Develop narrative writing skills.</p> <p>Writing Assessment Outcome: Narrative writing – short story.</p>	<p>Poetry Explore a range of narrative poetry.</p> <p>Reading Assessment Outcome: Analysis of a poem (for high ability, a comparison of two poems).</p>
		<p>Prose Poetry Drama Contemporary Pre 1914 Shakespeare Whole books Short stories Comparisons Context</p>	<p>Narrative Scripts Arguments Discussions Letters</p>			
Maths	<p>Set 1 Calculations with negative numbers (+, -, x, ÷). HCF and LCM, Prime Factors; Index notation for positive integers. Sequences, nth term. Angles in parallel lines;</p>	<p>Set 1 Theoretical and experimental probabilities; Venn Diagrams; Two way tables. Fractions, including mixed numbers ((+, -, x, ÷).); Percentage increase and decrease. Simplify expressions; Expand brackets; Index Laws;</p>	<p>Set 1 Area of a compound 2D shapes; Area and circumference of a circle; Volume - cylinders and right prisms. Plotting linear graphs; Gradient and y-intercept; Real life</p>	<p>Set 1 Transformations (reflections, rotation, translation and enlargement). Linear equations including with unknown on both sides; Substitute into expressions;</p>	<p>Set 1 Multiply and divide decimals; BIDMAS. Mean, mode, median and range for discrete data; Averages and range from frequency table. Calculating ratios and proportion and similar</p>	<p>Set 1 Solve linear inequalities and represent solutions on a number line. Reverse percentages; Percentage multipliers; Compound interest. Pythagoras' Theorem</p>

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	Angles in polygons; Simple loci	Simple algebraic proof	graphs. Rounding and estimation. Efficient use of a calculator.	Change the subject. Scatter graphs; Draw and interpret pie charts.	shapes.	
	Sets 2 Negative numbers (+, -, ×, ÷); HCF and LCM, Prime Factors; Index notation for small positive integers. Sequences, nth term. Angles in a triangle and quadrilateral; Angles in parallel lines; Constructions (line and angle bisectors); Simple loci.	Sets 2 Calculate theoretical and experimental probabilities; Two way tables. Calculations with fractions, including mixed numbers (+, -, ×, ÷). Percentage increase and decrease. Simplify expressions; Expand brackets; Index Laws.	Sets 2 Area of a triangle, a parallelogram and a trapezium; Area and circumference of a circle; Volume of a cuboid. Plotting linear graphs; Gradient and y-intercept; Real life graphs. Rounding and estimation; Efficient use of a calculator.	Sets 2 Transformations (reflections, rotation, translation and enlargement). Linear equations including with unknown on both sides; Substitute into expressions; Change the subject. Scatter graphs; Draw and interpret pie charts.	Sets 2 Decimals – four operations; BIDMAS. Mean, mode, median and range for discrete data; Averages and range from frequency table. Calculating ratios and proportion; Similar shapes.	Sets 2 Properties of 3D shapes; Plans and elevations. Reverse percentages; Percentage multipliers; Compound interest. Pythagoras' theorem.
	Set 3 Calculations with negative numbers (+, -, ×, ÷). HCF and LCM, Prime Factors; Square and cube numbers. Generate sequences; Sequences from patterns. Lines and angles (draw and measure); Angles in a triangle; Construct a triangle.	Set 3 Simple probability; Experimental probability; Listing outcomes. Simplify fractions; Convert between fractions, decimals and percentages; (+ & -) fractions with same denominators; Percentage increase and decrease. Collecting like terms and expanding brackets.	Set 3 Area of a rectangle, triangle and parallelogram; Surface area of a cuboid; Metric units of length, mass and capacity. Plotting linear graphs. Round integers and decimals; Estimate calculations; Efficient use of a calculator; Add and subtract decimals.	Set 3 Transformations (reflections, rotation, translation). Solve simple linear equations; Substitute into algebraic expressions and formulae. Represent discrete and grouped data; Draw a pie chart; Two way tables.	Set 3 Multiply and divide decimals; BIDMAS. Mean, mode, median and range for discrete data. Calculating ratios and proportion.	Set 3 Properties of 3D shapes; Plans and elevations. Calculating percentages; Solve problems involving percentages. Scale drawing and bearings.
	Set 4 Calculations with negative numbers (+, -, ×, ÷). HCF and LCM, Prime Factors; Square and cube numbers. Generate sequences from instructions. Lines and angles (draw and measure); Angles rules; Construct a triangle.	Set 4 Simple probability; Experimental probability; Listing outcomes. Simplify fractions; Convert between fractions, decimals and percentages; (+ & -) fractions with same denominators; Fractions of amounts. Simplify algebraic expressions by collecting like terms and expanding brackets.	Set 4 Area of a rectangle, triangle and parallelogram; Volume of a cuboid; Metric units of length. Plotting linear graphs. Integers – four operations; Add and subtract decimals; rounding and estimation	Set 4 Transformations (reflections, rotation, translation). Solve simple linear equations; Substitute into algebraic expressions and formulae. Represent discrete and grouped data; Two way tables	Set 4 Decimals (x & ÷); BIDMAS; Problem solving with integers and decimals. Mean, mode, median and range for discrete data. Calculating ratios and proportion.	Set 4 Properties of 3D shapes; Plans and elevations. Calculating percentages; Solve problems involving percentages. Scale drawing; Use scales on maps.
Science	Diet and Health		Interdependence		Photosynthesis and Respiration	

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	<p>Students study: the importance of a healthy diet and what this consists of, how we digest food and how to test food for the presence of different nutrients. This topic also begins to look at the use of drugs and what happens when drugs are misused and abused.</p> <p>Reactions</p> <p>Students study: a wide range of chemical reactions, from combustion to oxidation and thermal decomposition with lots of supporting practical experiments. There is also the opportunity to investigate and research how we can make chemical reactions happen faster and how these differ from physical changes.</p> <p>Electricity</p> <p>Students study: this topic begins with static electricity and how it occurs, followed by practical experiments looking at the flow of electricity and the relationship between current and voltage. We also look at resistance and electromagnetism.</p>	<p>Students study: what an ecosystem is, food chains, food webs and pyramids of numbers, populations and how to use sampling to measure them, how humans are damaging the environment and what we can do to protect it.</p> <p>Earth and Atmosphere</p> <p>Students study: the composition and structure of the Earth, including the inner core, outer core, mantle and crust, the processes of the rock cycle and the characteristics of igneous, sedimentary and metamorphic rock. The focus then moves to the Earth as a source of resources, and evaluating humanity's impact on the environment, including how human activities have affected the carbon cycle and the composition of the atmosphere.</p> <p>Forces</p> <p>Students study: this unit looks at forces by investigating the relationships between distance, speed and time; gravity and weight; density; air and water resistance too. We look at how balanced and unbalanced forces affect objects.</p>			<p>Students study: photosynthesis in plants, gas exchange systems in plants and animals (including the structure and function of the lungs and the circulatory system in humans) and the similarities and differences between aerobic and anaerobic respiration.</p> <p>Everyday Chemistry</p> <p>There is a major focus on scientific enquiry, such as the types of reactions that happen all around us and their everyday uses. Students study: metabolic systems, explore chemical synthesis and issues including sustainability of resources and solving problems with waste management. Other areas include: polymers and their uses, ceramics and composite materials, cooking, investigating trends in changing fuel usage and the development of medicines.</p> <p>Moments</p> <p>Students study: this unit begins with looking at how levers work to reduce the effort required and goes into the principle of moments. The remainder of the topic investigates pressure in fluids and finishes with a look at hydraulic machines.</p>	
MFL –	<i>Ma Zone / Les Vacances</i>		<i>Paris, je t'adore</i>		<i>Mon Identité</i>	

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French	town, directions, going out, countries, past holidays, eating and drinking il y a / il n'y a pas / au, à la, à l', aux / vouloir and pouvoir + infinitives / nous forms in the present and past		sights, tourist information, describing a past visit with opinions pouvoir and aimer + infinitives / forming questions / the perfect tense of -er verbs		personality, friends, music, clothes, going out adjectival agreement, / use of 'on' / the near future / the past tense <i>Là où j'habite</i> my house, going out in my area, food at home prepositions / partitives / the near future	
MFL – German	<i>Schule ist Klasse!</i> talking about school, including school subjects, opinions, school facilities and rules		<i>Gute Reise !</i> buildings in a town, describing what you can do, describing holidays plans, using the future tense		<i>Ich liebe Ferien !</i> comparing places (then and now), talking about what you did on holiday, transport, weather, problems had on holiday	
MFL - Spanish	<i>Mi ciudad</i> content: town, telling the time, ordering food in a café, plans for the weekend cultural: learning about Spanish festivals including 'El día de los muertos' grammar: the verb 'ir', the verb 'querer' future tense, revision of past tense assessment: listening for detail, writing in two tenses		<i>Mis vacaciones</i> content: Talking about a past holiday, describing what you did, stating opinions grammar: the past tense of regular verbs and 'ser' assessment: giving a presentation about a holiday, using present and past tense together		<i>¡A comer!</i> content: foods and opinions, mealtimes, ordering in a restaurant, organizing a party, talking about clothes, describing a party grammar: revision of 3 tenses – using 3 tenses together, using formal 'you' assessment: reading and writing an account of a party including 3 tenses.	
Geography	Coasts – Investigating coastal processes and analysing coastal protection techniques	Mobile Phones and China – Discovering how the world is changing via globalisation including advances in communication, whilst investigating the rapid development and growing global influence of China.	Restless Earth – Investigating the structure of the earth and the causes of earthquakes and volcanoes, and the impact these natural disasters have on our lives.	Energy Issues – Contrasting a world dependent of fossil fuels with a more sustainable world that is more dependent on renewable energy.	Raging Rivers – Discover the way that rivers shape the land and the impact of flood events. Evaluating How rivers can be managed sustainably.	Changing Tourism – Compare and contrast four different tourist regions to highlight the regional differences and dynamic nature of tourism.
History	Britain 1900-1918 The Suffrage	Peace making and Hitler's Foreign Policy	Britain in WW2 Dunkirk Enquiry	Life in Nazi Germany	Twentieth Century USA	Twentieth Century USA

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	<p>Movement</p> <p>Causes of WW1</p> <p>Recruitment and Fighting</p> <p>Women in WW1</p>	<p>Armistice and Peace Treaties</p> <p>Rise of the Nazi Party</p> <p>Causes of the war and Appeasement</p>	<p>Blitzkrieg</p> <p>The Home Front</p> <p>Whitehall Cinema Bombing</p>	<p>Life for women and young people</p> <p>Persecution of the Jews</p> <p>The Holocaust</p> <p>The Impact of WW2</p>	<p>Post-WW1 USA</p> <p>Prohibition and gangsters</p> <p>Wall Street Crash</p>	<p>Race Relations</p> <p>Cold War</p>
ICT	<p>Games Programming</p> <p>Creating algorithms, designing and writing computer games using Games Factory 2</p>	<p>Microbit Programming (Python)</p> <p>Text based programming using the Microbit learning some basic functions using the Python programming language</p>		<p>Digital Literacy</p> <p>Using a variety of skills to use everyday applications such as word, excel and powerpoint.</p>	<p>Digital Graphics</p> <p>Creating a range of bitmap and vector based graphics using packages such as Fireworks and Photoshop</p>	<p>Units of data</p> <p>Units of data, binary conversions, hexadecimal, ASCII, Binary addition and logic gates</p>
Beliefs and Values	<p>Putting faith and belief into practice</p> <p>What is meant by worship?</p> <p>How can religion inspire and influence the way people treat others?</p>	<p>Poverty</p> <p>Causes of poverty</p> <p>What religions teach about responding to Poverty. The work of religions to ease poverty.</p>	<p>War and Peace</p> <p>Reasons for wars</p> <p>The beliefs of Christianity, Judaism and Buddhism on war and peace</p> <p>Should people fight?</p>	<p>Evil and Suffering</p> <p>Different types of suffering</p> <p>The effects of suffering on people</p> <p>Religious teachings about evil and suffering. The work of religious and non-religious groups to respond to suffering in the world</p>	<p>The environment</p> <p>The ways in which humans affect the environment</p> <p>Religious and non-religious attitudes to caring for the Environment</p>	<p>Prejudice</p> <p>Prejudice, racism and discrimination</p> <p>How faith can influence actions (Gandhi, Martin Luther King, Malcolm X)</p>
Technology	<p>Throughout the year students study 4 subject areas on a rotation basis</p>	<p>Textiles</p> <p>Students design and make a cushion cover based on an art movement. They continue to develop</p>	<p>Food</p> <p>Students will take into consideration International cuisine whilst using a range of</p>	<p>Resistant Materials</p> <p>Students design and make a money box and the housing for the electronic</p>	<p>Graphics</p> <p>Students design and make the packaging for their mini speaker project. They build on their</p>	<p>All 4 projects will be assessed in a variety of skills and students will be given an overall grade for the year.</p>

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		their skills on the sewing machines.	cooking skills and baking methods to make a variety of different healthy dishes e.g. Quiche, vegetable cake, bread and Mexican chilli. Students will consider altering recipes to add new flavours and healthy ingredients. They will also look into detail at health and safety in food.	circuit. Students build on their skills in soldering and using workshop machinery.	use of 2D design and CAD/CAM.	
Drama	Urban Myths & Legends A unit focusing on generating a spooky atmosphere for the audience. Skills learnt include atmosphere, vocal and sound techniques, sound tunnel, narration and transitions in role.	Melodrama and Pantomime Using the structure and stereotypes of a classic Victorian melodrama, students create their own tales of romance and adventure. They then look at how this style has developed into pantomimes for Christmas.	KS4 Taster A unit that gives all students a chance to sample all three courses we offer at KS4. They experience GCSE Drama, BTEC Dance and BTEC Performing Arts. This unit includes maintaining a written logbook.	The Tempest A study of this Shakespeare play alongside students' work in English. Students will develop an understanding of how a script becomes performance. Skills include status, layering, language and contrast.	Missing & Enquiry Students take on the role of police officers as they investigate the disappearance of Lulu Richards. Skills developed are remote control, abstract monologues, documentary, hot-seating, and conscience alley.	Stereotypes Students look at gender stereotyping in advertising to start the unit. This then develops into looking at stereotypical soap opera characters and the structure of soaps.
Art	Base line test focusing in on how to create a 3D object on a 2D surface, building on knowledge acquired in first	Man made vs nature – myself and my environment (gourds/peppers/green man) Moving into 3d preparing for	portraiture and identity how our self-image and our belongings can communicate our moods, feelings and personalities	multi-cultural, portraiture and identity gain knowledge and understanding of artists/art movements like	pattern (india) greater awareness of the colour and patterns used within other cultures and is able to make a connection between	preparing for gcse options, completion of key stage 3. identifying areas of improvement to reach meg predictions.

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	year at Sackville.	options.		German expressionism	their own work.	
PE - Girls	Dance & hockey Or Badminton & Dance	Gymnastics & Netball Or Fitness & Football	Fitness & Football Or Gymnastics & Basketball	Gymnastics and Dance + Basketball Or Gymnastics and Dance + Badminton	Athletics & Cricket	Athletics + Stoolball & Tennis
PE - Boys	Gymnastics & Football	Badminton & Hockey	Basketball & Rugby	Basketball & Rugby	Athletics & Cricket	Athletics & Cricket/Stoolball
Music	Texture and Ostinato Performing Tubular Bells and composing using different textures and ostinato	Rock school. Working in small groups students perform "little talks"	Rock school. Working in small groups students perform "little talks"	Structure Understanding of how music is constructed. Composition using different structures	Structure Understanding of how music is constructed. Composition using different structures	Blues Learning of the history of Blues music as well as performance of any song using the 12 Bar Blues
Computing	Developing computer games using Games Factory 2.	Text based programming using small basic	Designing algorithms that reflect computational thinking	My Digital World – Looking at the issues such as what websites to trust, copyright law, staying safe online and online abuse	APPs for Good – developing an app for a mobile phone.	APPs for Good – developing an app for a mobile phone.