

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. 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>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>Writing maps/ Short stories Please note that the Star reading test needs to be done at the start of this term. Using short stories and the writing maps to develop descriptive/narrative writing skills.</p> <p>Writing Assessment Outcome: Descriptive/narrative writing.</p>	<p>Poetry Reading Assessment Outcome: Analysis of a poem (for high ability, a comparison of two poems).</p>
	<p>Content requirements of the new curriculum – must be covered across KS3.</p>	<p>Reading Prose Poetry Drama Contemporary Pre 1914 Shakespeare Whole books Short stories Comparisons Context</p>	<p>Writing Narrative Scripts Arguments Discussions Letters</p>			
Maths	<p>Set 1 Calculations with negative numbers (+, -, x, ÷). HCF and LCM, Prime</p>	<p>Set 1 Theoretical and experimental probabilities; Venn Diagrams; Two way</p>	<p>Set 1 Area of a compound 2D shapes; Area and circumference of a</p>	<p>Set 1 Transformations (reflections, rotation, translation and enlargement) .</p>	<p>Set 1 Multiply and divide decimals; BIDMAS. Mean, mode, median and range</p>	<p>Set 1 Solve linear inequalities and represent solutions on a number line.</p>

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	Factors; Index notation for positive integers. Sequences, nth term. Angles in parallel lines; Angles in polygons; Simple loci	tables. Fractions, including mixed numbers ($+, -, \times, \div$); Percentage increase and decrease. Simplify expressions; Expand brackets; Index Laws; Simple algebraic proof	circle; Volume - cylinders and right prisms. Plotting linear graphs; Gradient and y-intercept; Real life graphs. Rounding and estimation; Efficient use of a calculator.	Linear equations including with unknown on both sides; Substitute into expressions; Change the subject. Scatter graphs; Draw and interpret pie charts.	for discrete data; Averages and range from frequency table. Calculating ratios and proportion; Similar shapes.	Reverse percentages; Percentage multipliers; Compound interest. Pythagoras' Theorem
	Sets 2 Negative numbers ($+, -, \times, \div$); 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 ($+, -, \times, \div$). 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 ($+, -, \times, \div$). HCF and LCM, Prime Factors; Square and cube numbers. Generate sequences;	Set 3 Simple probability; Experimental probability; Listing outcomes. Simplify fractions; Convert between fractions, decimals and percentages; (+ & -)	Set 3 Area of a rectangle, triangle and parallelogram; Surface area of a cuboid; Metric units of length, mass and capacity. Plotting linear	Set 3 Transformations (reflections, rotation, translation). Solve simple linear equations; Substitute into algebraic	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

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	Sequences from patterns. Lines and angles (draw and measure); Angles in a triangle; Construct a triangle.	fractions with same denominators; Percentage increase and decrease. Collecting like terms and expanding brackets.	graphs. Round integers and decimals; Estimate calculations; Efficient use of a calculator; Add and subtract decimals.	expressions and formulae. Represent discrete and grouped data; Draw a pie chart; Two way tables.		bearings.
	Set 4 Calculations with negative numbers (+, -, x, ÷). 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	Reproduction Students study the differences between sexual and asexual reproduction, pollination, fertilisation and seed dispersal in flowering plants, human reproduction, the menstrual cycle and pregnancy. Acids and Alkalis		Photosynthesis and Respiration 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. Everyday Chemistry		Interdependence 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. Earth and Atmosphere	

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	<p>Students study the pH scale, the strength of acids and alkalis and the names of some everyday examples. Students will learn how these substances are dealt with in the laboratory as well as the associated hazard symbols. Areas also studied include neutralisation reactions of both strong and weak acids, developing their skills in both word and symbol equations. These reactions will then be put into context.</p> <p>Waves</p> <p>Students study: how different types of waves transfer energy from place to place; the motion of particles within water and sound waves and how waves superimpose one each other; the reflection and refraction of light and the applications of mirrors and lenses; how sound is transmitted and heard along with the applications of sound waves.</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>Space Science</p> <p>Students study: the place of the Earth within the Solar System and the Universe as a whole; the properties of stars and the behaviours of the planets held in orbit around them by gravity forces; the structure of the Universe and the technology used to gather evidence about it.</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>Energy</p> <p>Students study a wide range of energy transfers and energy resources with a particular focus on heating and cooling. They explore the advantages and disadvantages of different energy resources, evaluating their suitability for production of electricity. Students then investigate ways to control energy transfer. Finally students look at the calculations involved with energy transfer including work done, power and the costs of domestic electricity.</p>	
MFL – French	<p><i>Ma Zone / Les Vacances</i> 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</p>		<p><i>Paris, je t'adore</i> sights, tourist information, describing a past visit with opinions pouvoir and aimer + infinitives / forming questions / the perfect tense of -er verbs</p>		<p><i>Mon Identité</i> personality, friends, music, clothes, going out adjectival agreement, / use of 'on' / the near future / the past tense</p>	
MFL – German	<p><i>Schule ist klasse!</i> talking about school, including school subjects, opinions, school facilities and rules</p>		<p><i>Gute Reise !</i> buildings in a town, describing what you can do, describing holidays plans, using</p>		<p><i>Ich liebe Ferien !</i> comparing places (then and now), talking about what you did on holiday, transport,</p>	

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			the future tense		weather, problems had on holiday	
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	First World War Causes of the war Recruitment Trench warfare Battle of the Somme Poppy Day Peacemaking	Second World War Causes of the war Blitzkrieg Significant events Whitehall Cinema bombing	Women’s suffrage Reasons for suffrage Suffragists and suffragettes Emily Davison Changes to women’s lives in the 20 th C	Hitler and the Holocaust Early life of Hitler Rise of the Nazi Party Life for young people Persecution of the Jews Holocaust	Cold War Communism and capitalism Vietnam war	Science and technology Development of weapons in the 20C Medical changes Transport changes Russia
ICT	Games Programming Creating algorithms, designing and writing computer games using Games Factory 2	Microbit Programming (Python) Text based programming using the Microbit learning some basic functions using the Python programming language	History of Computing Learn about some of the great historians of computing such as Turing and George Boole. This unit covers computational aspects such as logic gates and binary conversions.	Using Graphics Creating a range of bitmap and vector based graphics using packages such as Fireworks and Photoshop	Computer networks Learn how to configure a network, research network devices and look at the differences between LAN and WAN.	Digital Literacy Gaining skills using everyday applications such as word, excel, powerpoint and publisher

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Beliefs and Values	Putting faith and belief into practice What is meant by worship? How can religion inspire and influence the way people treat others?	Poverty Causes of poverty What religions teach about responding to Poverty. The work of religions to ease poverty.	War and Peace Reasons for wars The beliefs of Christianity, Judaism and Buddhism on war and peace Should people fight?	Evil and Suffering Different types of suffering The effects of suffering on people Religious teachings about evil and suffering. The work of religious and non-religious groups to respond to suffering in the world	The environment The ways in which humans affect the environment Religious and non-religious attitudes to caring for the Environment	Prejudice Prejudice, racism and discrimination How faith can influence actions (Gandhi, Martin Luther King, Malcolm X)
Technology	Throughout the year students study 4 subject areas on a rotation basis	Textiles Students design and make a cushion cover based on an art movement. They continue to develop their skills on the sewing machines.	Food Students will take into consideration International cuisine whilst using a range of 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.	Resistant Materials Students design and make a mini speaker and the housing for the electronic circuit. Students build on their skills in soldering and using workshop machinery.	Graphics Students design and make the packaging for their mini speaker project. They build on their use of 2D design and CAD/CAM.	All 4 projects will be assessed in a variety of skills and students will be given an overall grade for the year.
Drama	Urban Myths &	Melodrama and	KS4 Taster	The Tempest	Missing & Enquiry	Stereotypes

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	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.	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.	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.	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.	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.	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 year at Sackville.	Man Made Vs Nature – Myself and My Environment (Gourds/Peppers/Green man)	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 German Expressionism	Pattern (India) greater awareness of the colour and patterns used within other cultures and is able to make a connection between their own work.	Preparing for GCSE options, completion of Key Stage 3. Identifying areas of improvement to reach MEG predictions.
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

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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.