Year 9 Curriculum Map

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	**Number** Place value 4 operations, BIDMAS Fractions, decimals and percentages Time Indices and standard form Problem solving Calculator skills	Probability Frequency tables Frequency trees Probability of single and combined events Statistics Graphs and charts Reading, understanding and presenting data	Algebra Expressions and formulae Lines and graphs Plotting graphs in 4 quadrants Linear and Non-linear sequences	Geometry and measures Similarity and congruence Pythagoras' Theorem Problem solving Calculator skills	**Geometry and Measures** Interior and exterior angles Transformations of 2D shapes Ratio and proportion Problem solving Calculator skills	**Geometry and measures** Loci and constructions Bearings and compasses Map reading Ratio and proportion Calculator skills
English	**Relationships** Writing Figurative language Structure for purpose Reading and activities- Romeo & Juliet	**Dare to Scare** Reading Conventions of horror writing Analysing text for the effect of language Reading and activities- Romeo & Juliet	**Young Entrepreneurs** Speaking and listening - presenting Conventions of marketing and presenting texts Drafting Reading and activities- You're awesome	**My Life My Choices** Writing Persuasive texts Using emotive language Reading and activities- You're awesome	**Exploring Difference** Reading Characterisation in text Making inferences Analysing texts Reading and activities- Of Mice and Men	**From Talking Drums to Tweets** Speaking and Listening -Presenting History of language development Instructional texts Types of communication Reading and activities- Of Mice and Men
Science	Cells Basic cell structure, specialised cells Genetics Nerves Inheritance, modification, evolution Disease Using microscope Measuring & drawing graphs	Prevention and medicines Drug development Health Atomic Structure Elements and compounds The periodic table	Ionic bonding Covalent bonding metallic bonding States of matter Separating and purifying substances Breaking down ionic compounds Assessing risk Investigations	Acids Hazard symbols Metals Motion Forces and their formulas Separating mixtures Measuring and testing for pH, H2 and Co2	Energy Waves Electromagnetic spectrum Atoms Radiation	Introduction to GCSE
Personal Health Social & Economic Education (PHSE)/Careers Education Information Advice & Guidance (CEIAG)	**Independence and aspirations** Developing goal-setting, analytical skills and decision making: GCSE options Sources of careers advice Employability	**Autonomy and advocacy** Developing self-confidence, risk management and strategies to manage influence: Friendship challenges Gangs and violent crime Drugs and alcohol Assertive communication	**Choices and influences** Developing empathy, compassion and strategies to access support: Mental health (including self-harm and eating disorders) Change, loss and bereavement Healthy coping strategies	**Independence and aspirations** Developing analytical skills and strategies to identify bias and manage influence: Financial decisions Saving and borrowing Gambling, financial choices and debt	**Autonomy and advocacy** Developing assertive communication, clarifying values and strategies to manage influence: Healthy/unhealthy relationships Consent Relationships and sex in the media	**Choices and Influence** Developing decision making, risk management and support-seeking skills: Sexually transmitted infections (STIs) Contraception Cancer awareness First aid
	Steps Booklet 3 Plan your decision year. Personal qualities. Personal qualities and job skills Qualifications The job application process.		Steps Booklet 3 Being enterprising and thinking creativity. Working today, Using reliable information. Choosing options and fake news		Steps booklet 3 Review of learning Explore any uncertainties regarding qualifications, planning for education, employment or training. Revisit themes identified by pupils where further clarification is needed.	

Geography	Using earth's resources Water, food and energy Renewable and non-renewable resources Sustainability	Earning a living Change Employment and employment sectors Rise and decline Globalisation Regeneration Case study - Doncaster	The Middle East Physical and human geography of the Middle East Conflict Challenges in the Arabian Peninsula	Russia Physical and human aspect of Russia's geography Climate and climate change New opportunities Russia and its history	International Development What is development? Inequality Migration Globalisation Case study -Malawi	Our restless planet Earthquakes Eruptions Tsunami's
RE	**Sikhism** Sikhism around the world Key beliefs The Guru's the Guru Granth Sahib Worship Key people in Sikh community Significant places Celebrations		**Hinduism** Hinduism around the world Key Beliefs- karma and rebirth Hindu Scriptures Worship & Festivals Significant places for Hindu's Symbolism		Philosophy Arguments for and against the existence of God Evil and suffering Immortality Miracles Revelations	
History	The First World War Causes Joining up-Reasons and Propaganda Experiences of war War and medical progress Soldiers of the Empire Remembrance The end of war and ways countries tried to avoid further conflict.	**Between the Wars** **Power in the Early 20th Century** **War and the impact on Britain, employment, education, housing** **The 1920's** **Ireland divided** **Experiences in the 1930's** **Features of governments, Democracy and Dictatorship, fascism and communism** **Germany , changes and life** **in the 1920's** **The outbreak of war**	The Second World War Sequencing events Operations and evacuations Soldiers of the Empire The home front War, health and medicine Winston Churchill 'The Final Solution' - Persecution Nuclear War The United Nations	**The Post-war World** The Welfare State The NHS The Cold War- conflicts, allies and enemies The Space Race - rivalry Europe -cooperation, aims and division	From Empire to Commonwealth The role of the first and second World Wars in Empire Colonisation and Independence Immigration The Windrush Generation Multicultural Britain	In to the modern world What has changed? Key changes, developments, inventions and ideas in Britain through the 50's - 2010's Key political events and conflicts in the world through the 50's-2010's Terrorism Key changes in British life since 1901
Sport	Rugby Football Futsal Functions and components of the cardio vascular system	Handball Table tennis Basketball Dance Blood vessels	Fitness Basketball Table tennis Long term and short term effects of exercise on this cardio-vascular system and their benefit on sports performance	Badminton Handball Basketball Long term and short term effects of on exercise Functions of the respiratory system	Athletics Long term and short term effects of on exercise on the respiratory system and their benefits on sports performance	Tennis Cricket Softball Rounders Ultimate Frisbee Lung volume Impact of exercise on lung volumes.
Art & Design	Cultural Identity Tinga Tanga art Day of the Dead Cultural masks Mind mapping Mood boards Integrating annotations into the creative process Reviewing work of relevant artists	Cultural Identity Urban Identity Graffiti Reviewing work of relevant artists	Cityscapes Drawing/line/form Reviewing work of relevant artists	Cityscapes 3D models Researching Refining creative ideas Reviewing work of relevant artists	Pop Art Understanding of examination objectives Understanding and producing an research page about an artist. Reviewing work of relevant artist	Pop Art Understanding of examination objectives Completion of final piece. Reviewing work of relevant artists
ICT - incorporating functional skills	Microsoft Excel Using functions & formula's Inputting data & creating a basic formulae Formatting spreadsheets Sorting & filtering Producing graphs in a spreadsheet Absolute and relative cell references Modelling data Creating a spreadsheet Assessment	Microsoft applications -PowerPoint, Word & Outlook Creating a presentation using the 'design' and 'new slide' functions Insert images, text boxes & shapes Protecting documents Emailing Entry Level exam	**Flowcharts, Microbits, & coding** using Code.org courses Creating and programming Programming MOVE mini mk2 buggy kit Using programmes to meet needs & solve problems (Entry Level exam)	**Binary, Hex & Calculations** Processing numbers Revision of binary, logic and truth tables Consolidation of Skills & Preparation for Entry 1, Level 1 and 2 Assessments	**Databases** - revision ICT FS Entry Level exam (delivered in lessons) Binary + calculations 1 Assessments	**Cryptography & computational thinking** Understanding & creating a flow chart to pre program Create a cyphering program Spotting patterns of repetitions Assessments