

# Year 9 Curriculum Map



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Maths</b>	<p><b>Number</b> Place value 4 operations, BIDMAS Fractions, decimals and percentages Time Indices and standard form Problem solving Calculator skills</p>	<p><b>Probability</b> Frequency tables Frequency trees Probability of single and combined events Statistics Graphs and charts Reading, understanding and presenting data</p>	<p><b>Algebra</b> Expressions and formulae Lines and graphs Plotting graphs in 4 quadrants Linear and Non-linear sequences</p>	<p><b>Geometry and measures</b> Similarity and congruence Pythagoras' Theorem Problem solving Calculator skills</p>	<p><b>Geometry and Measures</b> Interior and exterior angles Transformations of 2D shapes Ratio and proportion Problem solving Calculator skills</p>	<p><b>Geometry and measures</b> Loc and constructions Bearings and compasses Map reading</p>
<b>English</b>	<p><b>Relationships</b> Writing Figurative language Structure for purpose Reading and activities- Romeo &amp; Juliet</p>	<p><b>Dare to Scare</b> Reading Conventions of horror writing Analysing text for the effect of language Reading and activities- Romeo &amp; Juliet</p>	<p><b>Young Entrepreneurs</b> Speaking and listening - presenting Conventions of marketing and presenting texts Drafting Reading and activities- You're awesome</p>	<p><b>My Life My Choices</b> Writing Persuasive texts Using emotive language Reading and activities- You're awesome</p>	<p><b>Exploring Difference</b> Reading Characterisation in text Making inferences Analysing texts Reading and activities- Of Mice and Men</p>	<p><b>From Talking Drums to Tweets</b> Speaking and Listening -Presenting History of language development Instructional texts Types of communication Reading and activities- Of Mice and Men</p>
<b>Science</b>	<p><b>Cells</b> Basic cell structure, specialised cells Genetics Nerves Inheritance, modification, evolution Disease Using microscope Measuring &amp; drawing graphs</p>	<p><b>Prevention and medicines</b> Drug development Health Atomic Structure Elements and compounds The periodic table</p>	<p><b>Ionic bonding</b> Covalent bonding Metallic bonding States of matter Separating and purifying substances Breaking down ionic compounds Assessing risk Investigations</p>	<p><b>Acids</b> Hazard symbols Metals Motion Forces and their formulas Separating mixtures Measuring and testing for pH, H2 and Co2</p>	<p><b>Energy</b> Waves Electromagnetic spectrum Atoms Radiation</p>	<p><b>Introduction to GCSE</b></p>
<b>Personal, Social, Health &amp; Economic Education (PSHE)</b>	<p><b>Independence and aspirations</b> Developing goal-setting, analytical skills and decision making: GCSE options Sources of careers advice Employability</p>	<p><b>Autonomy and advocacy</b> Developing self-confidence, risk management and strategies to manage influence: Friendship challenges Sangs and violent crime Drugs and alcohol Assertive communication</p>	<p><b>Choices and influences</b> Developing empathy, compassion and strategies to access support: Mental health (including self-harm and eating disorders) Change, loss and bereavement Healthy coping strategies</p>	<p><b>Independence and aspirations</b> Developing analytical skills and strategies to identify bias and manage influence: Financial decisions Saving and borrowing Gambling, financial choices and debt</p>	<p><b>Autonomy and advocacy</b> Developing assertive communication, clarifying values and strategies to manage influence: Healthy/unhealthy relationships Consent Relationships and sex in the media</p>	<p><b>Choices and Influence</b> Developing decision making, risk management and support-seeking skills: Sexually transmitted infections (STIs) Contraception Cancer awareness First aid</p>
<b>Careers Education Information Advice &amp; Guidance (CEIAG)</b>	<p>Steps Booklet 3 Plan your decision year. Personal qualities. Personal qualities and job skills Qualifications The job application process.</p>		<p>Steps Booklet 3 Being enterprising and thinking creatively. Working today. Using reliable information. Choosing options and fake news</p>		<p>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.</p>	
<b>Physical Education</b>	<p><b>Practical:</b> Football, Badminton <b>Baseline Test:</b> Coopers Run (Cardiovascular Endurance) <b>Theoretical Content:</b> Functions &amp; Components of the Cardiovascular System</p>	<p><b>Practical:</b> Basketball, Table Tennis <b>Baseline Test:</b> Alternative Hand Wall Toss Test (Coordination) <b>Theoretical Content:</b> Blood Vessel Types &amp; Functions</p>	<p><b>Practical:</b> Handball, Fitness <b>Baseline Test:</b> Illinoit Agility Test (Agility) <b>Theoretical Content:</b> Cardiovascular System; Long-term &amp; Short-term effects on the body</p>	<p><b>Practical:</b> Tag Rugby, Dodgeball <b>Baseline Test:</b> Multistage Fitness Test (Muscular Endurance) <b>Theoretical Content:</b> Structure &amp; Function of the Respiratory System</p>	<p><b>Practical:</b> Athletics &amp; Field Events <b>Baseline Test:</b> Sit &amp; Reach Test (Flexibility) <b>Theoretical Content:</b> Respiratory System; Long term &amp; Short-term effects on the Body</p>	<p><b>Practical:</b> Rounders, Cricket <b>Baseline Test:</b> Sargent Jump Test (Power) <b>Theoretical Content:</b> Lung Volume, Recap on Previously Taught Topics in Yr. 9</p>
<b>Art &amp; Design</b>	<p><b>Cultural Identity</b> Tinga Tanga art Day of the Dead and Aboriginal Art Make 3D sugar skulls Drawing, painting, mixed media Ben day dots Create a mind map or mood board (AO1) Begin to integrate annotations into the creative process Study the work of relevant artists Visit relevant galleries or museums (Incl online)</p>	<p><b>Cultural Identity</b> Urban identity Graffiti Integrate annotations into the creative process (AO3) Refine work produced (AO2) Mixed media Drawing Painting Print making Study the work of relevant artists Visit relevant galleries or museums (Incl online)</p>	<p><b>Citiescapes</b> Drawing Line Form Planning Produce a title page, mindmap, mood board (AO1) Mixed media Proportion and perspective Study the work of relevant artists Visit relevant galleries or museums (Incl online)</p>	<p><b>Citiescapes</b> 3D modelling using cardboard and various attachment techniques Mark making Produce a research page (AO1) Refining creative ideas work progresses (AO3) Study the work of relevant artists Visit relevant galleries or</p>	<p><b>Pop Art</b> Understand of examination objectives Understand and producing a research page about an artist (AO1) Collect images and annotate Mixed media Imagery Study the work of relevant artists Visit relevant galleries or museums (Incl online)</p>	<p><b>Pop Art</b> Understand of examination objectives Plan and produce a final piece Complete form of final piece Study the work of relevant artists Visit relevant galleries or museums (Incl online)</p>
<b>3D Design</b>	<p><b>Introduction to 3D design Architecture</b> <b>Jewellery &amp; body art</b> The role of an architect The development of architecture through history Carry out research to inspire own design Jewellery &amp; body art throughout history Design own body adornment Employment in the area of jewellery and body adornment Practical project: Design own prototype of jewellery &amp; body adornment using a simple template</p>	<p><b>Sculpture Ceramics</b> The role of the sculptor How sculpture is used to enhance Employment in the area of sculpting Different types of ceramics, how they are created &amp; their uses Employment in the area of ceramics Create a simple jig to form a repeated process for batch production Practical project: Design and make a simple tile to a set size and depth to represent a manufactured tile</p>	<p><b>3D Digital Design Interior Design</b> The role of a designer Employment in area of interior design Practical project: Use a 3D software package to design and interior space Create a 3D model reflective of their design using a mixture of materials</p>	<p><b>Environmental Landscape/ Garden Design Product</b> Roles in environmental design Employment in environmental design Learn how the environment can be designed to enhance and manage certain human behaviour, wellbeing &amp; health Learn how products have developed through history &amp; how manufacturing has changed in order to facilitate growth The future of design. Gather ideas for future products, consider the needs of the consumer and environment Practical project: Design a purposeful outdoor space, balancing natural and man made materials</p>	<p><b>Exhibition Design Theatre, film &amp; TV Design</b> Marketing &amp; promotional industry, e.g. display stands, trade shows Employment in marketing &amp; the promotional industry Practical project: Create a design for a promotional space, design their own logo</p>	<p>Revisit areas which the pupils would like to complete or improve. Introduction to AQA 3D design course</p>
<b>Geography</b>	<p><b>Earning a living</b> Change Employment and employment sectors Rise and decline Globalisation Regeneration Case study - Doncaster</p>		<p><b>Russia (Main focus)</b> Physical and human aspect of Russia's geography New opportunities Russia and its history <b>The Middle East</b> Physical and human geography of the Middle East Conflict Challenges in the Arabian Peninsula</p>		<p><b>International Development?</b> What is development? Inequality Migration Globalisation Case study - Malawi</p>	
<b>RE</b>	<p><b>Sikhism</b> Sikhism around the world Key beliefs The Guru's the Guru Granth Sahib Worship Key people in Sikh community Significant places Celebrations</p>		<p><b>Hinduism</b> Hinduism around the world Key Beliefs- karma and rebirth Hindu Scriptures Worship &amp; Festivals Significant places for Hindu's Symbolism</p>		<p><b>Philosophy</b> Arguments for and against the existence of God Evil and suffering Immortality Miracles Revelations</p>	
<b>History</b>	<p><b>The First World War</b> 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.</p>		<p><b>The Second World War</b> Sequencing events Operations and evacuations The home front War, health and medicine Winston Churchill The Final Solution - Persecution The United Nations The United Nations The Post-war World The Welfare State The NHS</p>		<p><b>From Empire to Commonwealth</b> The role of the first and second World Wars in Empire Colonisation and Independence Immigration The Windrush Generation Multicultural Britain  <b>Into the Modern World</b> What has changed? Key changes, developments, inventions and ideas in Britain through the 50's - 2010's Terrorism Key changes in British life since 1901</p>	
<b>Outdoor Learning Key Stage 3</b>	<p><b>Introduction to Outdoor Learning:</b> Exploring the woods Art-Using nature to create tool safety <b>Construction</b> - Knot tying to make a swing/frame Building a shelter, teamwork <b>Survival</b> - Tracking using a map, orienteering PSHE/Wellbeing- Forest mindfulness, yoga, cloud gazing, forest bathing</p>	<p><b>Survival Science</b> - Exploring Fire, fire safety, building a fire, putting out a fire Food - bread, hot chocolate <b>Conservation</b> -litter pick, making a bird feeder Using tools and crafting - create festive decorations, tool safety Festive baking on the fire</p>	<p><b>Survival Science</b> - Fire safety, build, start and put out a fire Make popcorn <b>Construction</b>-knot tying to make a bridge, team work <b>Survival-knife skills</b>- whittle a toasting fork. Toast marshmallows <b>Construction/PE</b>- Make and use natural obstacle course- Team building and competition <b>Woodwork</b>- use a saw safely to saw a disc from a log Art- create a piece of nail art. Use a hammer safely</p>	<p><b>Survival</b>-Tracking and orienteering using a map <b>Conservation</b> - Litter pick, make a plant pot out of discarded items, decorate and plant. <b>Construction</b>-Team work, make a tower as tall as possible using natural resources <b>Exploration</b>- explore the woodland in Spring. Safety, tree climbing <b>Conservation/biology</b>- prepare soil and sow seeds. Explore flower meadows and learn about their benefits. <b>Survival/RE</b>- cooking, Build, start and put out a fire. Fire safety. Make Easter snores</p>	<p><b>Survival</b>- Forage for wild garlic Make pests. Work together to erect a tent. <b>Conservation</b> - use natural resources to create a Mandala <b>Construction/Survival</b>- Tool safety, whittle a simple spoon <b>Science/Construction</b> -gather natural resources to make a mini wrap. Raft race- competition <b>PE/Construction</b>-use natural elements to create a circuit to work identified muscle groups</p>	<p><b>Conservation/ Cooking/PSHE</b> - Forage for ingredients, make a summer drink and enjoy with others over a summer picnic Art - Tool safety, use nature to create a hapa zome <b>Survival</b> - Learn about common threats and learn to administer basic first aid <b>Science/Construction/Survival</b> - gather natural resources and construct water filters. Test for efficiency PSHE/Wellbeing - Forest mindfulness End of year picnic with exploration and team building games</p>
<b>ICT - incorporating functional skills</b>	<p><b>Microsoft Excel</b> Using functions &amp; formulae Inputting data &amp; creating a basic formulae Formatting spreadsheets Sorting &amp; filtering Producing graphs in a spreadsheet Absolute and relative cell references Modelling data Creating a spreadsheet Assessment</p>	<p><b>Microsoft applications - PowerPoint, Word &amp; Outlook</b> Creating a presentation using the 'design' and 'new slide' functions Insert images, text boxes &amp; shapes Protecting documents Emailing  (Entry Level exam)</p>	<p><b>Flowcharts, Microbits, &amp; coding using Code.org courses</b> Creating and programming <b>Programming</b> MOVE mini m42 buggy kit Using programmes to meet needs &amp; solve problems  (Entry Level exam)</p>	<p><b>Binary, Hex &amp; Calculations</b> Processing numbers Revision of binary, logic and truth tables  Consolidation of Skills &amp; Preparation for Entry 1, Level 1 and 2 Assessments</p>	<p><b>Databases</b> - revision ICT F5 Entry Level exam (delivered in lessons) Binary + calculations 1  Assessments</p>	<p><b>Cryptography &amp; computational thinking</b> Understanding &amp; creating a flow chart to pre program Create a cyphering program Spotting patterns of repetitions  Assessments</p>