

Year 8 Curriculum Map

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Mathematics	Number: Fractions, decimals and percentages Estimation and rounding Squares and square roots	Geometry and measures: 2D and 3D shapes Perimeter, area and volume Angles in polygons	Problem solving: Money Probability Everyday events	Algebra: Sequences Expressions and equations Expanding and factorising Linear equations	Statistics and data: Graphs and charts: Pictograms/tally charts Line graphs Bar charts Pie charts Stem and leaf diagrams Venn Diagrams	Statistics and data: Reading and interpreting data Averages Geometry and measures: Time
English	Ignite 2 It's a Mystery Assessment focus: Writing Reading activities: Private Peaceful Conventions of mystery genre How different texts can be structured to achieve different purposes.	Ignite 2 Words of war Assessment focus: Reading Reading activities: Private Peaceful How text reflect the social and historical contexts. Language techniques to create specific atmosphere	Ignite 2 Technology Matters Assessment focus: Speaking and listening-presenting Reading activities: Wonder Constructing a balanced argument	Ignite 2 Campaign for a Cause Assessment focus: Writing Reading activities: Wonder Techniques to encourage and promote	Ignite 2 Appearance and Reality Assessment focus: Reading Reading activities: Shakespeare- A Midsummer Night's Dream Writing techniques to engage the reader	Ignite 2 Power of Communication Assessment focus: Speaking and listening: Debating Reading activities: Shakespeare- A Midsummer Night's Dream Language to influence
Science	Food and Nutrition Digestion & Transportation Plants and their reproduction	Breathing and anaerobic and aerobic respiration Finding a pulse Unicellular organisms Parts of a bacterial cell Carbon cycle	Combustion, burning and reactions Fire safety Pollution & global warming The periodic table- atoms, elements and chemical substances	Materials in the Earth Metals and their uses Properties & reactions of metals Igneous and metamorphic rocks Weathering & erosion	Properties of solids, liquids and gases Fluids -floating & sinking, pressure & drag Light The travel of light, reflection and refraction Coloured light	Energy transfer & control Earth and space Solar system and seasons Magnetic Earth and Gravity
Personal Health Social Economic Education (PHSE) / Careers Education Information & Guidance (CEIAG)	Independence and aspirations Developing risk management skills, analytical skills and strategies to identify bias: Managing online presence Digital and media literacy	Autonomy and advocacy Developing respect for beliefs, values and opinions and advocacy skills: Stereotypes, prejudice and discrimination Promoting diversity and equality	Choices and influences Developing agency and strategies to manage influence and access support: Drugs and alcohol Introduction to contraception Resisting peer influence Online choices and influence	Independence and aspirations Developing goal setting, motivation and self awareness: Aspirations for the future Career choices Identity and the world of work	Autonomy and advocacy Developing communication and negotiation skills, clarifying values and strategies to manage influence: Healthy relationships Boundaries and consent LGBT + inclusivity Managing conflict	Choices and influences Developing agency and strategies to manage influence and access support: Maintaining positive mental health Importance of physical activity
	Steps Booklet 2 Personal beliefs and values. Are school and work so different? What do you want from work? Job families Ways employers recruit. Who does the job? Equality and stereotypes		Steps Booklet 2 Job families, using careers library /Online resources. Who does the job? How do you make decisions? The qualifications landscape Writing an action plan		Steps Booklet 2 Budgeting Review learning.	

Geography	Population Growth and rates Life expectancy Immigration Impacts on resources and environments	Urbanisation Industrial Revolution Urbanisation across the world Regeneration - A look at Manchester Slums Sustainability	Asia Continents Physical and human features Biomes and climate	China History Communism Population distribution Rural China Pollution Trade	Weather and Climate Regions of climate Movement of heat by air and oceans Air pressure and depressions Clouds Factors that affect the climate Weather symbols	Climate Change Factors that influence climate and the impacts on humans Temperature and emissions Impact of human activity Global warming Actions to tackle climate change
RE	Islam Islam around the world Key Beliefs Muhammad The Qur'an Symbols Worship Festivals	Buddhism Buddhism around the world Key Beliefs The Buddha Buddhist scripture Practicing Buddhism Symbols Festivals	Ethics Ethics and religion Morality Law The Sanctity of Life Ethics in relation to the environment, animals, drugs and medicine Exploring attitudes The relevance of religion in the modern world.			
History	From Civil War to Commonwealth 1625-1658 What is civil war? How was it caused? Soldiers and armies Parliament Charles 1st, trial and execution Cromwell -banning Christmas, opinions and reputation Monarchy	The Industrial Revolution 1770-1842 Manufacture of products The impact of machines Factories, population and the creation of towns Power Child Labour, Working conditions and reform Iron & Coal Transport networks - Canals and Railways Inventors, Designers and Scientists	Terrible Towns Life in industrial towns and cities Disease and public health Class divisions, then and now Crime and punishment Prison conditions, John Howard, Elizabeth Fry and reform Robert Peel and the establishment of the Police Force	The Slave Trade India; a British Empire 1563-1833 The role Britain played in the slave trade Conditions on 'slave ships' Ways in which slaves were sold Life on a plantation Factors that contributed to the abolition of the slave trade	Tudor to Victorian Britain : what changed? How and why people fought for improved rights. Peterloo, Kennington Common Voting and women their rights and lives in the 18th and 19th century, sexism Life in a Victorian school, why and how did schools change. Pain, infection and cleanliness, the issues and developments Leisure time, why did it increase and what did people do? Victorian high streets The 'Great hunger' Changes in population, politics and science.	A new century 1901-1913 Britain's place in the world, industry, trade and empire Public Health and housing The Titanic Suffragettes, Emily Packhurst Women in World War 1
Sport	Tag Rugby Football Futsal Badminton Ligaments and tendons Analysis and evaluation of performance	Handball Basketball Dodgeball Agonist and antagonist	Fitness Gymnastics Trampolining Muscle types and fibre types	Handball Rugby Gymnastics Basketball Classification of bones	Athletics Function of the skeletal systems	Tennis Quick Cricket Rounders Different joints and their different movements
Art & Design	Portraits Shading and tone Revisit proportion (Y7) Reviewing the work of relevant artists	Natural World Animals close up Texture Research using IT Annotation Reviewing the work of relevant artists	The natural world/fossils Pattern Shape Texture Observational drawing Research and annotation Reviewing the work of relevant artists	Surrealism Shape Composition Colour Tone Reviewing the work of relevant artists	Abstract Reviewing the work of relevant artists	Abstract expressionism Core principles of abstract design Reviewing the work of relevant artists

ICT - incorporating Functional Skills	Networks Interacting with ICT for a given purpose What is a network? Topologies Networking hardware and Software Wired and wireless networks Identifying if a network is working correctly Internet, internet services and the world wide web Threats to data Assessment	E-Safety: digital citizenship ICT based communications Fake news and how to identify it, biased writing, echo chambers and filter bubbles. Cyberbullying Purpose of emotional manipulation Divisions in society and how these are created Hate speech Keeping safe when using sites Positive use of the internet Assessment	Cryptography History of Cryptography- Caesar cypher Solving computational problems. Symmetric & Asymmetric-key cryptography. Assessment	Microsoft Applications Word-page layout, formatting, wrapping text and inserting images Excel -inputting data into a spreadsheet, creating formulae, formatting, using functions in a spreadsheet, sorting & filtering Creating graphs in a spreadsheet Absolute and relative cell references Create a spreadsheet Assessment	Coding Microbits, input & output devices, meeting needs & solving problems 0 & 1 representation Programming & hardware interaction Flow diagrams Creating and programming Experimenting with LED's, motors, LDR's and capacitors Switching, conditional formatting, sound & animation Assessment	Databases & related terminology Creating & using databases Creating queries to find specific data Selecting, sorting & filtering data for a specific task Logical reasoning Relational databases Assessment
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