

Hexham Middle School Curriculum Map for Year 8, 2018-19

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
ENGLISH	<p>Non-fiction: Conflict <i>9/11 non-fiction topic</i> <i>WW1 War Poetry</i></p> <p>Recount - newspaper article. Narrative – creative writing. Poetry study and analysis.</p>	<p>Non-fiction: Conflict <i>War Horse by Michael Morpurgo</i></p> <p>Character analysis essay. Creative writing – letter from the trenches. Writing with an image as a stimulus.</p>	<p>Seminal World Literature: Shakespeare <i>Othello</i></p> <p>Analysis of Othello the character, understanding of the storyline, analysis of character behaviour, retelling the story, learning about Witchcraft and the historical context, in-depth understanding of key scenes and symbolism within the play.</p>		<p>Modern Fiction: Gothic Literature <i>Extracts from Frankenstein, Woman in Black, A Monkey's Paw, Dracula and Twilight.</i> <i>Poetry: The Raven, Christabel</i></p> <p>Analysis of features of Gothic Literature, literary techniques and devices, comparison of two descriptive pieces, writing in the style of a Gothic narrative, creative writing inspired by a short film.</p> <p>Transition assessment for QEHS.</p>	
MATHS	<p>Number: revise and improve, four operations, arithmetic, fractions (four operations), equivalence</p> <p>Expressions and equations: prime factor decomposition, laws of indices, factorising, working with powers</p>	<p>Powers and roots: reciprocals, standard form, fractional indices</p> <p>Area, volume and Pythagoras: surface area, cylinders and prisms, Pythagoras' theorem</p> <p>Fractions, decimals and percentages: four operations, recurring decimals, percentage change</p> <p><i>Some</i> – Quadratics: expanding, factorising, quadratic equations</p>	<p>Graphs and sequences: plotting linear graphs, gradients, $y=mx+c$, inverse functions, non-linear graphs, real-life graphs</p> <p>Inequalities and formulae: linear inequalities, index laws, changing the subject, <i>some</i> – algebraic fractions</p> <p>Ratio and Multiplicative reasoning</p>	<p>Transformations: translation, rotation, enlargement, STEM focus, volume and enlargement</p> <p>Constructions and loci: accurate drawing, nets, bisect lines, bisect angles, use loci to solve problems</p> <p>Accuracy and measures: rates of change, density, pressure, upper and lower bounds</p> <p><i>Some</i> – Non-linear graphs: quadratic graphs and equations</p>	<p>Scale drawing and measures: maps and scales, bearings, scales and ratio, congruence, geometry problems</p> <p>Probability: mutually exclusive events, experimental probability, using Venn diagrams</p> <p>Standard form: using standard form, calculating</p> <p>Introduction to trigonometry: tangent ratio, sine ratio, the cosine ratio, trigonometric graphs</p>	<p>Mathematical reasoning: explain, show and justify, real-life situations, proofs</p> <p>Statistics, collecting and analysing data: pie charts, stem and leaf diagrams, financial graphs, comparing data</p>

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SCIENCE	<p>Health and Lifestyle The content of a healthy human diet. Calculations of energy requirements in a healthy daily diet. The consequences of imbalances in the diet, including obesity, starvation and deficiency diseases. How the digestive system works.</p> <p>The Periodic table The physical and chemical properties of different elements. The principles underpinning the Mendeleev periodic table. The periodic table: periods and groups; metals and non-metals. How patterns in reactions can be predicted. The properties of metals and non-metals. The chemical properties of metal and non-metal oxides.</p>	<p>Energy Comparing energy values of different foods (from labels) (kJ). Comparing power ratings of appliances in watts (W, kW). Comparing amounts of energy transferred (J, kJ, kW hour). Domestic fuel bills, fuel use and costs. Fuels and energy resources.</p>	<p>Ecosystem Processes The interdependence of organisms in an ecosystem. The importance of plant reproduction. How organisms affect, and are affected by, their environment, including the accumulation of toxic materials.</p>	<p>Electricity and magnetism Electric current in circuits. Series and parallel circuits. Potential difference, measured in volts. Differences in resistance between conducting and insulating components. Magnetic poles and magnetic fields.</p>	<p>Adaption and Inheritance Heredity. A simple model of chromosomes, genes and DNA. Differences between species. Continuous or discontinuous variation. Evolution and extinction. Biodiversity.</p>	<p>The Earth The composition of the Earth. The rock cycle. The composition of the atmosphere.</p>

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ART	The work of Stanley Spencer Producing analytical drawings using a range of materials Observational drawing skills – the human face		The work of Frida Kahlo Developing self-images using photography and computer graphic software. Understanding how artists say something about themselves through their work. Representing fears, aspirations and feelings through art as well personal views of the world.		Abstract Expressionists The power of abstract art. How artists express their emotions. Studying the work of Van Gogh, Jackson Pollock and Mark Rothko. How mark making and gesture can communicate emotion – investigating emotional literacy. We delve into the world of the Abstract	
COMPUTING	Python Numbers Introduction to the common mathematical operators used in programming. To set up numerical variables and use comparison operators. Work with integers, floats and random numbers. Write the code for a simple adventure game.	Boolean logic, logic gates and truth tables Understand simple Boolean logic [for example, AND, OR and NOT] and some of its uses in circuits and programming	Journalism in the 21st Century Wikipage and podcast programming.		Gaming Creator and Product Event Using knowledge and applying skills.	
E SAFETY	Online Safety: Sexting and Selfies	A Creator's Responsibilities	Safe Online Talk	Which Me Should I Be?	Gender Stereotypes Online	

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DT & FT	Food Technology Following own recipe and adapting appropriately. Cooking a variety of dishes. How to handle and work with raw meat and fish and use a range of herbs and spices to enhance the flavour of a dish. Study of locally grown and Fairtrade food and its benefits for consumers. Study of the main macro and micro nutrients, their sources and functions. The different functions of ingredients.			Design Technology Lighting Explore and develop a prototype lighting design. Explore the social, moral and environmental issues designers face when developing products. Home based learning Extended project to develop an idea for a 'bedroom of the future'.		
FRENCH	Grammar Verb endings Reflexive verbs Perfect tense	French Poetry Jacques Prevert Simile Metaphor	Celebrity project Essay writing	Grammar carousels	Towns and directions Finding your way	The Mr Men and Little Miss books Storyboard creation
GEOGRAPHY	Development and Ghana The global north/south development gap The Brandt line Development factors Measuring development Accessing water Escaping poverty	Development and Ghana The physical geography of Ghana Environment and climate Education Cocoa Success story Measuring development	Environmental issues Global warming Coral Reefs Aral Sea Global Warming Alternative Energy Endangered species	Exploring the Middle East Physical geography Biomes and climate Populations Deserts Dubai	Tourism What is tourism? Growth in tourism Mass tourism The impact on extreme environments African Eco tourism Dark Tourism	The Geography of Festivals Glastonbury and other festivals The environmental impact and potential solutions Designing a festival

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HISTORY	The Development of church, state and society in Britain 1509-1745 The Renaissance The Reformation, including Martin Luther King The Spanish Armada Mary, Queen of Scots	The Development of church, state and society in Britain 1509-1745 The first colony in America Civil Wars throughout Britain Cromwell The Glorious Revolution	Political power, industry and Empire in Britain 1745- 1901 Life on a cotton plantation The Middle Passage Abolishment of Slavery	Political power, industry and Empire in Britain 1745- 1901 The French revolution Britain as the first industrial nation The Development of the Empire Home Rule Darwin	Challenges for Britain and the wider world 1901 to present The Holocaust Woman Suffragettes The First World War and the Peace Settlement	Challenges for Britain and the wider world 1901 to present The creation of the welfare state Indian independence Social, cultural and technological change in post war Britain
MUSIC	Form & Structure The AABA form Finished & unfinished melodic endings (tonic – dominant endings). Composition of an AABA piece Assessed performance	Beethoven & the 9th Symphony Study the life and works of Beethoven with a focus on his 9 th symphony ‘Ode to Joy.’ The expansion of the orchestra and development of the piano.	Blues The history and development of Blues music and its influence on other styles of music The guitar Playing 12 Bar Blues accompaniment patterns and solos	Rock ‘n’ Roll How Blues developed into musical styles such as Jazz, Rhythm & Blues and Rock ‘n’ Roll.	Baroque The development of music and the main composers during the Baroque period (1600 to 1750). Composition based on Vivaldi using a variety of ornamentation and sequential melodies.	
PE	Invasion games 1 Football Netball	Run4 Fun Dance Gymnastics	Invasion games 2: Hockey Rugby	Cultural games Lacrosse Aussie Rules Handball	Athletics	Golf Cricket Volleyball

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RE	What does it mean to be a Sikh? What are the stereotypes? Introduction to Sikhism Sikh Values and traditions Sikhism in the modern world	What does it mean to be a Sikh? What are the stereotypes? Gender roles Prejudice Clash of cultures Bend it like Beckham	Why do people go on pilgrimage? Abraham Hajj Lourdes Jerusalem	How is justice shown in the world today? Justice Law Crime Responsibility Capital punishment	How is community cohesion promoted? Community cohesion Prejudice Media Asylum seekers Refugees	How is community cohesion promoted? Recent events: why leave home? Famous refugees: Prince Phillip, Mo Farah Investigate Britain's history of welcome
PSHE THEMES	Business	Physical Health	Careers	Emotional Health	Rights & Responsibilities at Work	Learning to Learn

Should you wish to know more about the curriculum followed at HMS please contact admin@hexhammiddle.org.uk and your query will be passed to the relevant Curriculum Leader.