

Hexham Middle School Curriculum Map for Year 7, 2018-19

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
ENGLISH	<p>Poetry and prose <i>The Ballad of Charlotte Dymond</i> <i>The Ballad of Frankie and Johnny</i></p> <p>Recount – newspaper article. Descriptive writing including figurative language, writing and performing a ballad, role play: trial of a character.</p>	<p>Classic literature <i>Sherlock Holmes: The adventure of the Speckled Band.</i></p> <p>Non-fiction – non-chronological report on aspects of the Victorian Era. Character analysis essay.</p>	<p style="text-align: center;">Modern fiction <i>Millions by Frank Cottrell Boyce</i></p> <p>Presentation- what would you do with £1million? Narrative - writing in role as characters. Character comparison and analysis. Persuasive writing – formal letter writing. Book and film comparison essay.</p>		<p style="text-align: center;">Seminal world literature <i>Shakespeare: an overview</i></p> <p>Study of Tudor England, particularly Shakespeare’s London. Letter of complaint, non-chronological report.</p> <p>Overview of Romeo and Juliet including opportunities to act, recite parts by heart, study of key scenes.</p>	
MATHS	<p>Revise and refresh: Number and place value</p> <p>Number skills: HCF, LCM, four operations with negative numbers, square root, cube root, order of operations, prime factor decomposition, laws of indices, significant figures</p> <p>Equations, functions and formulae: simplifying, using formulae, brackets</p>	<p>Equations: one step equations, two-step equations, equations with unknowns on both sides, trial and improvement</p> <p>Fractions, decimals and percentages: four operations with fractions, equivalence, percentage increase and decrease, recurring decimals, repeated percentage change</p>	<p>Working with powers, expressions and equations</p> <p>Angles and lines: angles in parallel lines, angles in triangles, angles in polygons</p> <p>Perimeter, area and volume: area of parallelograms and trapeziums, plans and elevations, surface area and volume of prisms, area and circumference of circles, Pythagoras</p>	<p>Sequences and graphs: linear sequences, the nth term, pattern sequences, midpoint of lines, straight line graphs</p> <p>Real-life graphs: financial graphs, distance-time graphs, rates of change, misleading graphs</p>	<p>Transformations: reflection and translation, rotations, enlargement including fractional scale factors, STEM problem solving</p> <p>Ratio and proportion: STEM focus, metric and imperial, sharing in a given ratio, proportion, unitary method, proportional reasoning,</p>	<p>Statistics: two-way tables, averages and range, grouped frequency, pie charts, misleading data, scatter graphs and correlation</p> <p>Probability: probability scale, experimental probability</p> <p>Developing investigative skills: Nrich investigative tasks, developing reasoning skills, group project learning</p>

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	and powers, STEM focus, factorising					
SCIENCE	<p>Cells Cells as the fundamental unit of living organisms. Using a microscope. The functions of the cell components.</p> <p>Particles The particle model. Changes of state, shape and density. Atoms and molecules</p> <p>The properties of the different states of matter. Changes of state in terms of the particle model.</p>	<p>Light The similarities and differences between light waves and waves in matter. Light waves travelling through a vacuum. Speed of light. The transmission of light through materials: absorption, diffuse scattering and specular reflection at a surface. Colour.</p>	<p>Body Systems The structure and functions of the human skeleton. The structure and functions of the gas exchange system in humans.</p> <p>Elements, atoms and compounds Introduction to the periodic table and chemical formulae: a simple (Dalton) atomic model. Differences between atoms, elements and compounds. Chemical symbols and formulae for elements and compounds.</p>	<p>Forces Forces as pushes or pulls, arising from the interaction between 2 objects. Using force arrows in diagrams. Hooke's Law.</p>	<p>Reproduction Human and plant reproduction including: the structure and function of the male and female reproductive systems, menstrual cycle (without details of hormones), gametes, fertilisation, gestation and birth. Reproduction in plants, including flower structure, wind and insect pollination, fertilisation, seed and fruit formation and dispersal.</p>	<p>Acids and Alkalis Defining acids and alkalis in terms of neutralisation reactions. The pH scale for reactions of acids with metals. Reactions of acids with alkalis to produce a salt plus water.</p> <p>Space Our sun as a star. Other stars in our galaxy. Other galaxies. The seasons and the Earth's tilt, day length at different times of year, in different hemispheres. The light year as a unit of astronomical distance.</p>

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ART	<p style="text-align: center;">Animation</p> <p>How animation is created. How and why does animation work? Developing an animated character Using backgrounds. Creating animated film. Creating thaumatropes and flip books.</p>		<p style="text-align: center;">The work of an artist</p> <p>Studying the work of Moritz Escher Ways in which repeating pattern can be created Developing tessellating motifs Designing graphic images</p>		<p style="text-align: center;">The Surrealists</p> <p>The work of Dali, Earnst and Magritte Developing imaginary landscapes through visual research. Creating images on scraperboards.</p>	
COMPUTING	<p style="text-align: center;">Flow Charts</p> <p>The purpose and use of flowcharts Flowchart symbols How to draw a flowchart How to write an algorithm in preparation for a flowchart How to use that algorithm to create a flowchart Numerous practice flowchart exercises to increase student confidence.</p>	<p style="text-align: center;">Computational Thinking</p> <p>Computational thinking Decomposition Pattern recognition Abstraction Algorithms</p>	<p style="text-align: center;">Representing data: images, sounds and text</p> <p>Different ways of representing data through graphics, sounds and text.</p>		<p style="text-align: center;">Python: An Introduction</p> <p>The basics of how to use Python, how to run a program and how to write a simple program to output text. To create a simple chatbot that will respond to user input.</p>	
E SAFETY	<p style="text-align: center;">Online safety: Viruses, password security and digital footprints</p>		<p style="text-align: center;">Online safety: Cyberbullying and Grooming</p>		<p style="text-align: center;">A Creator's Rights</p>	

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DT & FT	<p align="center">Food Technology</p> <p align="center">How to store foods safely and hygienically. The importance of protein in our diet and the main nutrients provided by the Eatwell Plate food groups. The 8 tips for healthy eating, The 5-A-Day message and the importance of portion size. The development of practical skills through cooking a range of savoury and sweet dishes Adapting recipes appropriately. Explore a range of factors which can affect food choice.</p>			<p align="center">Design Technology Domestic Products</p> <p align="center">Designing and making a photo frame and clock inspired by the design movement of Memphis. Home based Learning - Exploring the evolution of a product and development of a concept for the next generation.</p>		
FRENCH	<p align="center">School life</p> <p align="center">Subject Telling the time Conjunctions Designing a timetable</p>	<p align="center">Clothing</p> <p align="center">Vocabulary Materials Design a school uniform</p>	<p align="center">Animal Habitats</p> <p align="center">Descriptive language Verb endings: -er, -re, -ir The Smurfs</p>	<p align="center">Sports and Hobbies</p> <p align="center">Opinions Famous sportspeople Verbs: <i>faire</i> and <i>jouer</i></p>	<p align="center">Travel and tourism</p> <p align="center">Points of interest Designing a brochure</p>	<p align="center">French stories</p> <p align="center">Tintin and more</p>
GEOGRAPHY	<p align="center">Geography Skills</p> <p align="center">Map work Longitude and Latitude Human vs. physical and the impact on processes Changes to geography Describing places Local geography</p>	<p align="center">From Russia with Love</p> <p align="center">The physical and human geography of Russia Population – rural vs urban Chernobyl Conflict with Ukraine Impact of Russia on the World Russian Tourism</p>	<p align="center">Restless Earth</p> <p align="center">What is a Hazard? Earth Structures Plate tectonics Volcanoes</p>	<p align="center">Restless Earth</p> <p align="center">Earthquakes Tsunami Recent events: Japan, Nepal, Haiti, Caribbean</p>	<p align="center">Changing China</p> <p align="center">China past and present Three Gorges Dam Ghost China One Child policy Made in China Mobile China Sustainable China</p>	<p align="center">Fascinating places</p> <p align="center">Svalbard Grand Canyon and the national parks Easter Island and many more</p>

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HISTORY	Medieval Britain (1066 – 1509) What makes a leader Three kings Battle of Stamford Battle of Hastings Bayeux Tapestry William’s control Harrying of the North England -the feudal system	Medieval Britain (1066 – 1509) English Homes – changing towns Why was Jerusalem important in Medieval Times Becket	Medieval Britain (1066 – 1509) King John and the Magna Carta The Black Death The peasants’ revolt	War of the Roses Kings and Queens Henry VIII Edward VI Mary Tudor Elizabeth I The history of crime	Native Americans The great American Desert Surviving in a Tipi Buffalo	A local history study
MUSIC	Understanding scales Major & minor scales The arrangement of intervals within major & minor scales Performing a class ensemble in 4 parts Performing scales in similar and contrary motion	Major scale composition Composition of a piece of music using the notes from major scales. Adding accompaniments such as a pulse, drone, rhythm or chords.	Chromaticism The chromatic scale and how chromaticism is used in music Playing the chromatic scale in a variety of ways. Playing the whole tone scale.	Impressionism Study of Debussy including the prelude ‘ <i>A l’apres midi d’un Faun.</i> ’ The compositional style of Debussy and his use of instrumentation, chromaticism and development of the ‘Whole-Tone Scale’	Extended composition (linked with Art) Creating a variety of moods using different scales and compositional devices.	Music in advertising How music is used in advertising including background music, songs, jingles, etc. Creating a new product and compose an advert, including accompanying music
PE	Invasion games 1 Netball Football	Run4Fun Gymnastics Dance	Invasion Games 2 Hockey Rugby	Cultural games Aussie Rules Football Gaelic Football American Flag Football	Athletics	Golf Striking and Fielding Rounders Cricket

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RE	Creation & Stewardship How did the universe begin? What does it mean to be a steward of creation?	Buddhism The birth of Buddha Siddattha Gotama 3 marks of existence 4 noble truths	Living Christianity What does it mean to be a Christian? Church Denominations Protestantism and Catholicism	The Teachings of Jesus What is Jesus' message? The Bible The Bible as a source of authority. Old/New Testament The Gospels The Good Samaritan	Inspirational people, Human Rights & Equality Why do we need to promote human rights? Equality Racism Sexism Diversity in religion	Inspirational people, Human Rights & Equality The Holocaust Martin Luther King. Pope Francis II Oscar Romero Mother Teresa Gandhi
PSHE THEMES	Relationships	Personal Finance	Drugs Education	Global issues	Sex Education	Enterprise

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.