

NMS Year 7 Curriculum 2021-22

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Art	Skills workshops including colour, tone, texture and experimentation using a range of materials both large-scale, 2D and 3D.	BIRDS unit incorporating skills in pencil, oil pastel, and watercolour.	Development of BIRDS unit in order to work collectively towards whole school display.	Literacy and Symbolism.	Food project.	Working towards final display
Computer Science	<u>Digital Literacy/ IT Skills</u> Basic ICT skills. Word, Publisher and Powerpoint. Word skills learning the fundamentals of layouts and using the tools to stylise work. Publisher skills and gaining a knowledge of the different forms of publishing.	<u>Introduction to how a computer works</u> Components used in a PC. CPU and memory.	<u>E-Safety</u> Being safe online and the dangers of the web Self-protection and safe browsing. Cyber bullying and online generated self-esteem issues. Understanding the difference between what is real and fake.	<u>Scratch</u> Block coding using scratch. The fundamentals of programming techniques: loops, iterations, strings. Game creation using all of these techniques.	<u>Databases</u> Microsoft Access. Aspects of using and handling data, the data protection act. Forms, queries, basic SQL, relational databases/flatfiles	<u>Python Fundamentals</u> Application of block coding techniques to Python. Experience a wide variety of programs that they can create. The differences between syntax errors and computational errors
Drama	<u>Foundation skills.</u> Behaviour in a Drama classroom. Team building & trust. Familiarisation with performance and group work		Key skills for performance	<u>Devising Drama:</u> Performance skills, group work, working to criteria	<u>Non-Naturalistic Theatre:</u> Experimentation with non-naturalistic techniques.	<u>Darkwood Manor:</u> Performance Skills, building tension, role play and story telling
English	<u>Short Stories</u> Paul Jennings 'Unbelievable' + min 2 from: <i>The Yellow Wallpaper, The Monkey's Paw, Lamb to the Slaughter, A Sound of Thunder, The Man with The Yellow Face</i>	<u>Prose Non-Fiction</u> (travel theme) - Bill Bryson, travel blogs, articles, adverts, <i>Trip Adviser, Richard Branson, Ellen McCarthy</i> . Examine pre 20 th Century travel writing and compare to modern guides (e.g. Rough Guide)	<u>Poetry and People</u> Explore the methods used by a range of writers to portray characters. Focus on the different forms and techniques used by modern and literary heritage poets from (e.g. Armitage and Duffy).		<u>Intro to Shakespeare</u> Context-based - society, theatre and language. introducing key Shakespearean characters, exploring relation to context, why they are written in a particular way	<u>Novel</u> Class reader, <i>The Outsiders</i> with links to non-fiction texts throughout. Focus placed on linking texts to suitable nineteenth century non-fiction.
	One lesson per week will be a dedicated reading lesson, following the <i>Accelerated Reader</i> programme. Additionally, one lesson per week will be a ' <i>comprehension-based</i> ' lesson. A teaching/review lesson will be followed by a test lesson, focussing on analytical skills, inference, retrieval and writing for different purposes/audiences.					

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<p style="text-align: center;">French</p>	<p>Context: Aliens Learning how to introduce yourself in <u>spoken French</u>. Topic vocab: Colours, Numbers, family, pets, appearance/personality adjectives. To have and to be</p>	<p>Context: Alien spaceships Describe where you live. Introduce reading and writing skills. Topic vocab: Rooms in the house, places in town. There is/are, opinion verbs</p>	<p>Context: Celebrations Talking about festivals and traditions. Topic vocab: Dates, Hobbies, Food/drink. Present Tense verb patterns</p>	<p>Context: Theme parks Talking about what you can do at the theme park Topic vocab: in town, directions, prepositions activities. Modal verbs. Near future tense</p>	<p>Context: The rainforest. To talk about past events. Topic vocab: Animals, Countries, habitats. The Perfect tense with 'avoir'</p>	<p>Context: The rainforest To talk about in the past events. Topic vocab: holidays, accommodation, transport, weather. Perfect tense with 'etre'. The Imperfect tense</p>
<p style="text-align: center;">Geography</p>	<p><u>Fantastic Places</u> What is Geography? Global contexts used to explore: 4 figure grid References, 6 figure grid references, contours, scale, measuring distance, interpreting map skills, drawing sketch maps, OS map symbols.</p>	<p><u>India</u> Where is India? India's physical geography, population. Mumbai and slums. Primary, secondary, tertiary and quaternary industries.</p>	<p><u>Weather and Climate</u> What is weather? Measuring weather. Types of rainfall. Interpreting weather maps. Air pressure. Global climates. Interpreting climate graphs. Factors that influence climate. Temperature history. Global warming. Current issues. Who will suffer? What can we do?</p>		<p><u>Rivers</u> Water cycle. Drainage basins. Long profiles and cross profiles. River processes and landforms Rivers and us. Floods.</p>	<p><u>Geography of Crime</u> What is crime? Crime and geography. Contrasting crimes. Where does crime happen? Mapping crime. GIS maps. Target hardening. The heroin trail.</p>
<p style="text-align: center;">History</p>	<p>What kind of place was England in the 1060s? What were the qualities of a good king? Who should be king in 1066? What happened at the battle of Hastings? Why did Harold lose?</p>	<p>How did William take control of England? Feudal system, the Domesday Book, castles. What was the impact of Conquest on the English? Was William a good King?</p>	<p>Norman Rulers; Good or bad, outline study. What was the role of the church in the medieval world? (wider context, Europe and religion) Impact on people's lives. Thomas Becket and Henry II</p>	<p>England and the world. What were the Crusades? Why did the Crusades take place? What do the Crusades tell us about Medieval Europe? Bad King John?</p>	<p>Robin Hood. Law and order in the middle ages. Did life get better in the Middle Ages? Plague and Revolt; What happened in the Wars of the Roses? Richard III. Hero or villain?</p>	<p>Why did Henry Tudor win the Battle of Bosworth? Was Henry Tudor a good king? What was the Renaissance?</p>

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Maths	<p style="text-align: center;"><u>Numbers</u> Numerical calculations with integers, indices and surds. Order of operations. Place value and rounding. Factors, multiples, primes, square numbers, HCF and LCM.</p> <p style="text-align: center;"><u>Counting and comparing</u> Directed numbers, Ordering fractions and Inequality symbols.</p> <p style="text-align: center;"><u>Calculating</u> Place value of very large or small numbers. Recognise and use relationships between operations, including inverse operations.</p>	<p style="text-align: center;"><u>Algebraic proficiency</u> Forming algebraic expressions and equations. Simplifying expressions. Index notation.</p> <p style="text-align: center;"><u>Exploring FDP</u> Fraction, decimal and percentage equivalence, percentage changes, Comparisons using fractions, decimals & percentages.</p> <p style="text-align: center;"><u>Calculating FDP</u> Calculations with fractions and decimals, Percentage increase & decrease - Profit and loss.</p> <p style="text-align: center;"><u>Visualising and constructing</u> shapes and loci. Angle properties of lines and shapes. Similarity and congruence of shapes, reasoning and construction of angles. Constructing and interpreting scaled diagrams and maps.</p>	<p style="text-align: center;"><u>Investigating properties of shapes</u> Identify properties of 2d and 3d shapes.</p> <p style="text-align: center;"><u>Proportional reasoning</u> Sharing and comparison using ratios – best buys. Compound measures.</p> <p style="text-align: center;"><u>Exploring patterns</u> Generate sequences from rules and patterns. Find rules from sequences and patterns. Arithmetic sequences.</p>	<p style="text-align: center;"><u>Measuring space</u> Measurement systems and units. Converting between units.</p> <p style="text-align: center;"><u>Investigating angles</u> Types of angles. Measurement, proof of angle facts</p> <p style="text-align: center;"><u>Solving equations and inequalities</u> Solve linear equations. Algebraic substitution, Inequalities using number lines and algebra. Solving inequalities.</p> <p style="text-align: center;"><u>Calculating space</u> Length, area and perimeter of plain and compound shapes. Surface area and volume of plain and compound solids.</p> <p style="text-align: center;"><u>Checking approximating and estimating</u> Estimation and rounding. Lower and upped bounds.</p>	<p style="text-align: center;"><u>Mathematical movement</u> Symmetries of 2D shapes. Reflection, rotation, translation, and enlargement.</p> <p style="text-align: center;">Transformations on a co-ordinate grid. Transformations producing similar or congruent shapes. Combinations of transformations.</p> <p style="text-align: center;"><u>Understanding risk</u> Types of data. Data collection. Probability scales 0 to 1 – fractions decimals or %. Mutually exhaustive and equally likely outcomes. Listing outcomes, sample space diagrams & 2-way tables. Venn diagrams.</p>	<p style="text-align: center;"><u>Presentation of Data</u> Construct and interpret frequency diagrams, bar charts, pictograms, pie charts.</p> <p style="text-align: center;"><u>Measuring data</u> Calculate and interpret averages and measures of spread – mean, median, mode and range</p>
Music	<p style="text-align: center;"><u>Prior Knowledge Assessment & Elements of Music</u> Exploration of the key elements of music through musical landmarks. Creative response to composition briefs.</p>	<p style="text-align: center;"><u>Graphic Notation</u> Interpreting symbols and follow graphic scores by Britten and Berberian. Create own graphic score in response to a brief</p> <p style="text-align: center;"><u>Carols</u> Preparation for carol service</p>	<p style="text-align: center;"><u>The Orchestra</u> Develop instrument recognition and explore orchestral landmarks. Performances based on Rossini and Purcell/Britten. Remix Bach/Stokowski 'Tocatta and Fugue' using sample based technology.</p>	<p style="text-align: center;"><u>Composing Project</u> Halle Orchestra trip. Develop ensemble skills through G&S 'Pavane for Jack point'. Notation skills. Create a C major composition using Sibelius software</p>	<p style="text-align: center;"><u>Rhythm and Pulsation</u> Explore rhythmic notation, time signatures and metre through Stomp, and Bernstein's Mambo. Create rhythmic composition using sampling in response to Gabriel Prokofiev's 'Concerto for Turntables'</p>	<p style="text-align: center;"><u>Pentatonic March</u> Exploring Q&A technique. Whole class rondo of sections created.</p> <p style="text-align: center;"><u>Traditional Music from British Isles</u> Class performance of 'St George and the Dragon'. Explore jigs, reels, rants and folk songs</p>
PE	Football, Fitness.	Netball/Basketball, Gymnastics	Hockey, Badminton	Handball, Rugby/Dance	Athletics, Rounders/Cricket	Athletics, Tennis

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Introduction to basic core skills and principles. Incorporate skills into group activities						
PD	Relationships: friendships, bullying, conflict, online relationships	Answering Ultimate Questions: being human, creation of the world	Christianity	Belief in God	PSHE 1 – Physical Wellbeing	RSE 1: relationships
Science	Working scientifically skills Investigation topic – planning, concluding, analysing. CREST Award	Cells and movement. The particle model & separating mixtures. Energy cost & energy transfers.	Energy cost and energy transfers. Variation and human reproduction	Voltage, resistance and current. Interdependence and plant reproduction	Periodic table and elements. Speed and gravity	HSW skills and investigation planning
Spanish	<u>‘Los Extraterrestres’</u> Introduce yourself & family. Topic vocab: Colours, Numbers, family, pets, appearance/personality adjectives. SER and TENER Present tense 1 st and 3 rd person. Opinion verbs	<u>‘Los Extraterrestres– mi estación espacial’</u> Talk about where you live. Topic vocab: Rooms in the house, places in town, school subjects. Hay / no hay. Adjectives, prepositions, comparatives, superlatives	<u>‘Las fiestas’</u> Describe festivals and traditions. Topic vocab: Dates, Hobbies, Food/drink. Present Tense: Regular verb patterns Irregular verbs: IR, HACER Time	<u>‘Parque de Atracciones’</u> Describe a theme park and what you can do there. Topic vocab: directions, places, prepositions of place. Present tense infinitive structures: Opinions, GUSTARSE, PODER, QUERER, TENER QUE. Unos/unas. Near future tense.	<u>‘La Selva’</u> Talk about events in the past tense. Topic vocab: Animals, Countries, habitats, nationalities. SER & ESTAR The preterit tense regular and irregular verbs	<u>‘La Selva’</u> Talk about events in the past tense. Topic vocab: holidays, accommodation, transport, weather. The past tense – irregular verbs. Preterite & present tenses together.
Technology *	Engineering: Blockbot Project Introduction to the workshop, health & safety, wood types & properties, designing for a user. Types of abrasives, wood finishes & applications, wood-based composites, quality control 3D sketching, measuring, marking out, cutting by hand, finishing with abrasives, drilling, sander use, decoupage		Engineering: Upcycled Penholder/Coaster Project Sustainability, hardwood/softwood selection, creative & collaborative design, quality control. Use of templates, coping saw, hand finishing to a high standard with files & sandpaper, wood finishes & application		Catering: Introduction & 4Cs Hazard identification. Washing up. Weighing and measuring. Experiment making cakes, flapjack assessment. Understanding & using the cooker, heat transfer. Fruit crumble.	Catering: Plan savoury scones, design and time plan. Prepare to own plan Evaluation: sensory qualities. Slice and dice veg Flat bread pizza. Where food comes from, farming. Sausage rolls
Tutorials	Student Leadership. Pupil Voice. An Introduction to the 5Rs. Reading Week. PD Log and Leadership Ladder	An Introduction to the 5Rs (cont.) Learning Together. Report review, PD Log and Leadership Ladder.	Reading Week. CEG Intro and Flightpaths. PD Log and Leadership Ladder	Pupil Voice. Metacognition and Study Skills 1. PD Log and Leadership Ladder.	Academic Resilience 1: the basics, belonging. Reading Week. PD Log and Leadership Ladder	(The World Beyond New Mills: Fundraising. Report review, PD Log and Leadership Ladder

* Technology is competed in a carousel, different classes with complete projects at different points in the year

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