Moor House School & College Curriculum Map

YEAR GROUP/PATHWAY: Functional Skills Level 1			SUBJECT AREA: Mathematics		
Autumn 1	**Topic 1**	**Topic 2**	**Topic 3**	**Topic 4**	**Topic 5**
Knowledge	Baselines	Word Problems	Number Skills	Number Skills (Continued)	Decimals
Skills		Use the RUCCS system for word problems: Read, Underling, Circle, Cross and Solve. Identify operations words to add, take away, multiply and divide.	Read, write, order and compare large numbers (up to one million) Recognise and use positive and negative numbers Use multiplication facts and make connections with division facts	Calculate the squares of one-digit and two-digit numbers Follow the order of precedence of operators Recognise and calculate equivalences between common fractions, percentages and decimals	Read, write, order and compare decimals up to three decimal places Add, subtract, multiply and divide decimals up to two decimal places Approximate by rounding to a whole number or to one or two decimal places
Vocabulary		Add, take away, multiply, divide, and, altogether, total, sum, share, more, less, each, difference, how many/ much more?	Order, compare, units, tens, hundreds, thousands, millions, positive, negative, multiply, divide	Squares, brackets, indices, add, take away, multiply, divide, equivalent, fractions, percentages, decimals	Order, compare, decimals, decimal places, add, subtract, multiply, divide, approximate, rounding
Autumn 2	**Topic 1**	**Topic 2**	**Topic 3**	**Topic 4**	**Topic 5**
Knowledge	Fractions	Percentages	Percentages (Continued)	Ratio and Proportion	Baselines/ Sitting Exams
Skills	Read, write, order and compare common fractions and mixed numbers Find fractions of whole number quantities or measurements	Read, write, order and compare percentages in whole numbers Calculate percentages of quantities, including simple percentage increases and decreases by 5% and multiples thereof	Calculate simple interest in multiples of 5% on amounts of money Calculate discounts in multiples of 5% on amounts of money	Work with simple ratio and direct proportions	

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	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5
	Estimate answers to calculations using fractions and decimals				
Vocabulary	Order, compare, fractions, fractions of amounts, mixed numbers, of/ multiply, estimate, decimals	Order, compare, percentages of amounts, percentage increase/ decrease, multiply, add, take away	Simple interest, percentages, discounts, multiply, divide	Ratio, proportions, divide, multiply, every, each, per	
Spring 1	**Topic 1**	**Topic 2**	**Topic 3**	**Topic 4**	**Topic 5**
Knowledge	Units	Shapes	Shapes	Perimeter and Area	Perimeter and Area (Continued)
Skills	Convert between units of length, weight, capacity, money and time, in the same system	Draw 2-D shapes and demonstrate an understanding of line symmetry and knowledge of the relative size of angles Interpret plans, elevations and nets of simple 3-D shapes	Use angles when describing position and direction, and measure angles in degrees	Calculate the area and perimeter of simple shapes including those that are made up of a combination of rectangles	Calculate the area and perimeter of simple shapes including those that are made up of a combination of rectangles
Vocabulary	Convert, units, length, weight, capacity, money, time, m, mm, cm, km, L, ml, g, kg, divide, multiply, ratio	2-D shapes, line of symmetry, angles, 3-D shapes, plans, front, side, elevations, nets, reflex, obtuse, acute, straight, full	Angles, North, South, East, West, bearings, protractor, clockwise, anti-clockwise	Area, perimeter, 2-D shapes, rectangles, squares, composite shapes, horizontal, vertical, length, width	Area, perimeter, each, per, every, ratio, divide, multiply, rectangles, squares, composite shapes, 2-D shapes, length, width
Spring 2	**Topic 1**	**Topic 2**	**Topic 3**	**Topic 4**	**Topic 5**
Knowledge	Volume	Scale Drawings	Formula	Probability	Baselines/ Sitting Exams

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	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5
Skills	Calculate the volumes of cubes and cuboids	Recognise and make use of simple scales on maps and drawings	Use simple formulae expressed in words for one or two-step operations	Understand probability on a scale from 0 (impossible) to 1 (certain) and use probabilities to compare the likelihood of events Use equally likely outcomes to find the probabilities of simple events and express them as fractions	
Vocabulary	Volume, cubes, cuboids, length, width, height, each, per, every, ratio, divide, multiply	Scale, maps, ratio, divide, multiply	Formulae, operations, input, output, function machine, substitute, add, multiply, divide, take away	Probability, probability scale, impossible, certain, even chance, likely, unlikely, likelihood, events, outcomes, fractions, equally likely	
Summer 1	**Topic 1**	**Topic 2**	**Topic 3**	**Topic 4**	**Topic 5**
Knowledge	Data	Graphs	Averages	Revision/ Practice/ Past Papers/ Exam questions/ Sitting Exams	Revision/ Practice/ Past Papers/ Exam questions/ Sitting Exams
Skills	Group discrete data and represent grouped data graphically	Represent discrete data in tables, diagrams and charts including pie charts, bar charts and line graphs	Find the mean and range of a set of quantities		
Vocabulary	Data, discrete, grouped data	Graphs, tables, pie charts, bar charts, line graphs	Averages, mean, range, add, divide, take away		
Summer 2	**Topic 1**	**Topic 2**	**Topic 3**	**Topic 4**	**Topic 5**
Knowledge	Revision/ Practice/ Past Papers/ Exam questions/ Sitting Exams	Revision/ Practice/ Past Papers/ Exam questions/ Sitting Exams	Fun Maths	Enhancement/ Innovation Week	
Skills					

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Vocabulary				