Meadow Park School - Curriculum Map 2023-2024

Key Stage	Year Group	Subject	Teacher	Programme of Study
UKS2	5/6	Maths	Mrs L Regan-Hammond	National Curriculum 2013

Autumn a	Autumn b	Spring a	Spring b	Summer a	Summer b
Topic(s)	Topic(s)	Topic(s)	Topic(s)	Topic(s)	Topic(s)
Year 5	Year 5	Year 5	Year 5	Year 5	Year 5
Number Place Value: up to 1 000 000.	**Fractions** Add and Subtract with the same denominator	**Measurement:** Converting Units: Convert between different units of metric measure, kilometre to metre, centimetre and metre etc	**Number** Decimals: round decimals with two decimal places to the nearest whole number to one decimal place.	**Geometry** Identify 3D shapes, including cubes and other cuboids, from 2D representations	**Statistics** Solve comparison, sum and difference problems using information from line graphs.
Number Addition and Subtraction: more than 4-digits.	**Geometry** Position and Direction: identify, describe and represent the position of a shape following reflection or transition.	**Measurement:** Perimeter, Area and Volume: calculate the perimeter of rectangles and related composite shapes. Calculate the area from scale drawings.	**Number** Percentages: recognise the % symbol and understand that percent relates to 'number of parts per hundred.'		**Statistics** Complete, read and interpret information in tables, including timetables.
Number Multiplication and Division: 4-digits by 1-digit.					
Year 6	Year 6	Year 6	Year 6	Year 6	Year 6
Number Place Value: up to 10 000 000.	**Fractions** Add and Subtract with different denominators and mixed numbers	**Measurement** Converting Units: solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places.	**Number** Decimals: multiply 1-digit numbers with up to two decimal places by whole numbers.	**Ratio** Solve problems involving the relative sizes of two quantities where missing values can be found.	**Statistics** Interpret and construct pie charts and use these to solve problems.
Number Addition and Subtraction: multi-step problems in contexts, deciding which operations and methods to use and why.	**Geometry** Position and Direction: describe positions on a full coordinate grid. Draw and translate simple shapes on the coordinate plane.	**Measurement** Perimeter, Area and Volume: recognise that shapes with the same areas can have different perimeters Recognise when it is possible to use formulae for area and volume.	**Number** Percentages: recall and use equivalences between simple fractions, decimals and percentages	**Geometry** (Draw 2D shapes given dimensions and angles.)	**Statistics** Calculate and interpret the mean as an average.
Number Multiplication and Division: 4-digits by 2-digits using a formal written method.		**Algebra** Use simple formulae and express missing number problems algebraically.	**Ratio** Solve problems involving the relative sizes of two quantities where missing values can be found.		
Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Task	Assessment Tasks
Pupils will confidently understand place value up to 10 000 000.	Pupils will be able to identify common fractions and add/subtract confidently with the same denominator.	Pupils will confidently convert between units of metric measure.	Pupils will be able to round and multiply decimal figures.	Pupils will identify most 3D shapes from 2D representations.	Pupils will be able to read a range of information from both line graphs and pie charts.
Pupils will confidently add and subtract numbers more than 4 digits.			Pupils will be able to relate specific percentages to fractions and decimals.	Pupils will draw 2D shapes with given dimensions and angles.	

Pupils will confidently multiply and divide 4-digit numbers by 2-digit numbers using abstract and concrete resources.	Pupils will be able to translate and reflect shapes confidently on a full coordinate grid.	Pupils will be able to use formulae to find area and volume.	Pupils will solve problems based on relative sizes of two quantities.	Pupils will solve problems based on relative sizes of two quantities.	Pupils will be able to calculate the mean as an average.
Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers
Relationships Expressing opinions and respecting other points of view in terms of problem solving.	**Health and Wellbeing** Managing time online, being able to half the amount of time they are spending on the internet and on social	**Living in the Wider World** Workplace stereotypes- relate this to jobs around construction due to the topic being around measurement.	**Health and Wellbeing** Exploring change between units. Discovering medicines and how to measure them appropriately.	**Living in the Wider World** Challenging diversity- looking at the ratio of different ethnicities/genders in different job roles.	**Relationships** Responding respectfully to a wide range of people when collecting data.
Reading & Writing	Reading &Writing	Reading &Writing	Reading &Writing	Reading &Writing	Reading &Writing
Pupils will read and write their own multi-step problems and work together to solve these efficiently.	Pupils will read descriptions instructing them to translate and reflect.	Pupils will read and learn specific formulae which will help them solve problems relating to algebra.	Pupils will read a range of problems and use ratio skills to help solve them.	Pupils will read shape descriptions with given angles and be able to construct them accurately.	Pupils will be able to read information from given graphs and charts.
Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening
Pupils will read and listen to multi step problems, working together to solve them.	Pupils will verbally describe the positions of different shapes on a full coordinate grid.	Pupils will listen to given measurements to calculate the area and perimeter of different shapes.	Pupils will verbally describe the links between certain percentages, fractions and decimals.	Pupils will listen to specific descriptions of shapes and be able to identify them accurately.	Pupils will listen to given information and construct their own line graphs and pie charts.
Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning
Pupils will use the methods of calculation they have been taught in mathematics lessons in different curricular context.	Pupils will use mathematical language to describe translation change, reasoning why the shape has a new position.	Pupils will use reasoning to convert between different metrics in order to solve a range of problems.	Pupils will use reasoning to solve problems in relation to ratio, explaining their working out to a partner.	Pupils will use reasoning to identify 3D shapes from 2D representations, ensuring they are draw accurately.	Pupils will use mathematical reasoning to construct a range of graphs and charts with collected information.
Creative Media	Creative Media	Creative Media	Creative Media	Creative Media	Creative Media
iPad games Hit the Button Interactive games Quizzes	iPad games Hit the Button Interactive games Playdoh	iPad games Hit the Button Interactive games Minecraft	iPad games Hit the Button Interactive games	iPad games Hit the Button Interactive games Create shapes online Minecraft	iPad games Hit the Button Interactive games Microsoft to create interactive charts