

Year 5, Block 1, Medium Term Plan, Mathematics, 2021 – 2022

Block 1, Year 5	
National Curriculum Attainment Targets Pupils should be taught to:	Lesson Objectives Pupils will be taught to:
Number – Number and place value	Week 1
<ul style="list-style-type: none"> • read, write, order and compare numbers to at least 1 000000 and determine the value of each digit • count forwards or backwards in steps of powers of 10 for any given number up to 1000000 • round any number up to 1000000 to the nearest 10, 100 and 1000 	<ul style="list-style-type: none"> • Read and write numbers to 100 000 and determine the value of each digit
	<ul style="list-style-type: none"> • Order and compare numbers to 100 000 and determine the value of each digit
	<ul style="list-style-type: none"> • Count forwards and backwards in steps 10 and 100
	<ul style="list-style-type: none"> • Round numbers up to 100 000 to the nearest 10, 100 and 1000
Number – Addition and subtraction	Week 2
<ul style="list-style-type: none"> • add and subtract numbers mentally with increasingly large numbers • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 	<ul style="list-style-type: none"> • Add numbers mentally
	<ul style="list-style-type: none"> • Subtract numbers mentally
	<ul style="list-style-type: none"> • Subtract numbers mentally
	<ul style="list-style-type: none"> • Solve addition and subtraction multi-step problems, deciding which operations and methods to use and why
Geometry – Properties of shapes	Week 3
<ul style="list-style-type: none"> • identify 3-D shapes, including cubes and other cuboids, from 2-D representations 	<ul style="list-style-type: none"> • Identify 3-D shapes with parallel or perpendicular faces or edges
	<ul style="list-style-type: none"> • Use properties to identify 3-D shapes from 2-D representations
	<ul style="list-style-type: none"> • Visualise from the front, side and top 2-D representations of 3-D shapes made with interlocking cubes
	<ul style="list-style-type: none"> • Investigate and identify 3-D shapes which can be made using interlocking cubes
Number – Multiplication and division	Week 4 - 5
<ul style="list-style-type: none"> • multiply and divide numbers mentally drawing upon known facts • multiply and divide whole numbers by 10, 100 and 1000 	<ul style="list-style-type: none"> • Multiply numbers mentally drawing upon known facts
	<ul style="list-style-type: none"> • Multiply whole numbers by 10, 100 and 1000
	<ul style="list-style-type: none"> • Multiply numbers mentally drawing upon known facts
	<ul style="list-style-type: none"> • Multiply and divide numbers mentally drawing upon known facts
	<ul style="list-style-type: none"> • Multiply whole numbers by 10 and 100
Geometry – Position and direction	Week 6 - 7
<ul style="list-style-type: none"> • identify, describe and represent the position of a shape following a translation, using the appropriate language, and know that the shape has not changed 	<ul style="list-style-type: none"> • Recognise where a shape will be after a translation on a 2-D grid and know that the shape has not changed
	<ul style="list-style-type: none"> • Translate two or more shapes to make a tiling pattern on a 2-D grid

	<ul style="list-style-type: none">• Create 2-D shapes which following translations to the left/right and up/down form a tiling pattern• Identify, describe and represent the position of a shape following a translation in the first quadrant of a coordinate grid and know that the shape has not changed
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