

Maths two year rolling programme Year A

Objectives are differentiated and sequenced according to each child's individual mathematical capability.

This may vary depending on the area of Maths covered. Teachers are able to adjust when areas of maths are taught depending upon the needs of the class.

2020/2021 2022/2023 2024/2025	Autumn		Spring		Summer	
	<u>Dig it</u> <small>By the end of this unit all children should be able to...</small>		<u>Bright Sparks</u> <small>By the end of this unit all children should be able to...</small>		<u>What a wonderful World</u> <small>By the end of this unit all children should be able to...</small>	
Diamond Class	Number: Focusing on numbers up to 5.	Number: Focusing on numbers up to 10. SSM: Looking at 2D shapes.	Consolidation skills Number: Focusing on numbers up to 10 and beyond and simple addition and subtraction. SSM: patterns & measures	Number: Focus on numbers up to 15 SSM: Weight and Volume	Number: Focus on numbers up to 15 – one more and one less. SSM: Position and Direction	Number: Place Value (within numbers to 20) SSM: 2D & 3D shapes
	Number: Place Value (within 10) Number: Addition and Subtraction (within 10)	Geometry: Shape Number: Place Value (within 20)	Consolidation skills Number: addition and Subtraction (with 20) Number: Place Value (within 50)	Measurement: Length and Height Measurement Weight and Volume	Number: Multiplication and Division Number Fractions Geometry: Position and Direction	Number: Place Value (within 100) Measurement: Money Measurement
Ruby Class	Place value Measurements Length & mass +/- 2d & 3D shapes	Sequencing & sorting Statistics Fractions Capacity & volume Money Time	Number & Place value Mass/ weight 2D / 3D shapes Counting & money Multiplication & division	Length / mass & weight +/- Fractions Position & direction time	Number & place value +/- -statistics Measurement / capacity / volume	Time Multiplication & division Measurements Sorting statistics
Topaz Class	Place value Mental calculation 2D and 3D Shapes. Measurement (length) Addition/Subtraction	Counting/sequences/sorting Statistics Fractions, Division Time Capacity and volume Written x and ÷	Place value, mental + and - Fractions Mass, weight, volume, capacity 2D and 3D shape X and ÷	Length, mass and weight. Angles Addition and subtraction. Fractions Position and direction. Time	Statistics Addition/subtraction incl measures, money Multiplication/division incl measures, money 2D and 3D shape. Capacity/volume and temperature. Fractions Position, direction	Place value Time Multiplication and division. Fractions Statistics, finding the difference. Measures Sorting, statistics
Emerald Class	Place value. Place value and mental calculation. 2D shape Length incl. perimeter Statistics, Mental calculation Written addition	Counting Multiplication tables (3x, 4x) Written and mental multiplication Written and mental division Time 3D shape	Place value. Mental addition and subtraction. Fractions (recognition and equivalence) Fractions Division Volume and capacity Mass. Multiplication incl. 8x table	2D and 3D shape incl. sorting Addition and subtraction (statistics) Fractions (equivalence, add and subtract) Position and direction Time	Multiplication facts (statistics) Addition and subtraction (measures) Multiplication and division (measures) Area. Decimals Addition and subtraction.	Place value (measures) Mental calculation Fractions (equivalence and fractions of a set) Shape Statistic

	Written subtraction		Multiplication (statistics, measures, money)		Roman Numerals Counting incl. negative numbers	
Sapphire Class	Number Place value. Decimals. Written addition and subtraction. Statistics. 2D Shapes.	Mental Multiplication. Mental Division. Written Multiplication. Length and Perimeter. Time.	Place value and negative numbers. Position and direction. Fractions. Fractions, Decimals and Division. Area and multiplication. Addition, Subtraction and measures.	Place value. Multiplication and Division. Written Multiplication. Geometry. Addition and Subtraction (statistics).	Geometry. Fractions and Decimals (measures). Fractions and Division (measures). Fractions and Division. Measures, volume, capacity and mass. Shape and area. Multiplication facts and time.	Place value. Statistics. Addition and subtraction (statistics). Multiplication and Division. Geometry and Measures.
Amethyst Class	Place value including decimals Calculations + - x division 2D and 3D shapes	Fractions Equivalence, compare, order Fractions add and subtract Angles and pie charts Length, perimeter, mass, area Assess and review	Place value 2D shape co-ordinates Translation/reflection Temperature, negative numbers Calculating fractions Multiplication and division strategies	Addition and subtraction strategies Measurement/ratio 2D/3D shapes Area, perimeter, volume Statistics line graphs/pie charts Assess and review	Place value, decimals/fractions Addition and subtraction Fractions, percentages, ratio and proportion Coordinates, translation and reflection Algebra and sequences length, time and statistics - mean	Measurement – mass and volume/capacity Multiplication Fractions Place value and decimals 2D/3D shapes Assess and review

Maths two year rolling programme Year B

2021/2022 2023/2024 2025/2026	Autumn		Spring		Summer	
	Travel Through Time <small>By the end of this unit all children should be able to...</small>		Infinity and Beyond <small>By the end of this unit all children should be able to...</small>		All the Worlds a stage <small>By the end of this unit all children should be able to...</small>	
Diamond Class	Number: Focusing on numbers up to 5.	Number: Focusing on numbers up to 10. SSM: Looking at 2D shapes.	Consolidation skills Number: Focusing on numbers up to 10 and beyond and simple addition and subtraction. SSM: patterns & measures	Number: Focus on numbers up to 15 SSM: Weight and Volume	Number: Focus on numbers up to 15 – one more and one less. SSM: Position and Direction	Number: Place Value (within numbers to 20) SSM: 2D & 3D shapes
	Number: Place Value (within 10) Number: Addition and Subtraction (within 10)	Geometry: Shape Number: Place Value (within 20)	Consolidation skills Number: addition and Subtraction (with 20)	Measurement: Length and Height Measurement Weight and Volume	Number: Multiplication and Division Number Fractions	Number: Place Value (within 100) Measurement: Money Measurement

			Number: Place Value (within 50)		Geometry: Position and Direction	
Ruby Class	Number & Place value Length, mass, weight Addition and subtraction Geometry: 2D and 3D shape	Sequencing & sorting Fractions Capacity and volume Money Time	Number & Place value Mass/ weight Geometry: 2D and 3D shape Counting & money Multiplication & division	Length / mass & weight Addition & subtraction Fractions Position & direction Time	Number & place value Addition & subtraction Capacity / volume Fractions Position and direction Geometry	Time Multiplication & division Subtraction - difference Measurements Sorting and sequencing
Topaz Class	Place value Mental calculation Measurement (length, mass, weight) Addition/Subtraction Statistics	Counting/sequences/sorting Statistics Time Capacity, volume, mass Written and mental multiplication and division 2D and 3D Shapes.	Place value, mental + and - Fractions and division Money and sequences Multiplication and division	Length, mass and weight. 2D and 3D shape Angles Addition and subtraction. Fractions Position and direction. Time	Statistics Addition/subtraction incl measures, money Multiplication/division incl measures, money 2D and 3D shape. Fractions	Place value Time Multiplication and division. Fractions Statistics, finding the difference. Measures, mass Sorting, statistics Capacity/volume and temperature.
Emerald Class	Place value, Mental calculations, decimals 2D shape, perimeter Statistics Written + and –	Counting Multiplication tables (3x, 4x) Written and mental multiplication Written and mental division Length and perimeter 3D shape Time	Place value. Mental addition and subtraction. Fractions, decimals, division Volume, capacity, mass, area . Multiplication (statistics, measures, money) Sequences	2D and 3D shape, position, direction, angles Addition and subtraction (statistics) Fractions Time Position and direction	Multiplication facts (statistics) Addition and subtraction (measures) Multiplication and division (measures) Area. Decimals Addition and subtraction. Roman Numerals Counting incl. negative numbers	Place value (measures) Mental calculation Fractions (equivalence and fractions of a set) Shape Statistic
Sapphire Class	Number Place value. Decimals and fractions Written addition and subtraction. Statistics. Geometry: angles, perimeter	Mental Multiplication. Division. Fractions Written Multiplication (area) Statistics Time.	Place value and negative numbers. Addition and subtraction Multiplication Measures Geometry, angles	Multiplication and division Fractions Area and volume Statistics Geometry, sorting and position	Place value Fractions, division and percentages Geometry Addition and subtraction	Place value Measures and statistics Written calculations Volume, mass , capacity Area
Amethyst Class	Place value including decimals Mental and written Addition and subtraction, Multiplication and division Geometry: 2D and 3D shapes	Fractions, decimals, %, ratio Geometry: angles Statistics; pie charts Length, perimeter, mass, area, volume	Place value, sequences Geometry: coordinates, translation, reflection Temperature, mean Calculating fractions Multiplication and division strategies	Addition and subtraction Measurement: ratio, proportion Geometry: Area, perimeter, volume Statistics line graphs/pie charts	Place value, decimals/fractions Calculation Fractions, percentages, ratio and proportion Geometry: coordinates, translation, reflection Algebra and sequences	Measurement – mass and volume/capacity Calculation Fractions Place value decimals 2D/3D shapes

					length, time and statistics – mean	
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