Bamburgh Whole School Maths Curriculum Map

Vision: Raising Achievement to Inspire Independence

Motto: Aspiration Commitment Manners Enjoyment

School Curriculum Intent: To empower pupils to understand and interact positively with the world around them.

The Pathway through Bamburgh's Curriculum

All class groups are assigned to a different stage each year, forming a pathway through the curriculum which may be either Core, Core+, Core++(in secondary department only) or a mixture of these. Individual pupil pathways are tracked. In this way, a pupil's pathway through the curriculum is sequenced and ordered,

		Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Stage 1	**Core**	**Counting to 5** **Playing 'shop.'**	**Count 3 objects.** **Use 2d shapes in play.**	**Number names to 10.** **Simple patterns..**	**Taking away objects** **Money.**	**Adding (1 add 1)** **Big and small.**	**Counting with fingers.** **Use 3d shapes in play.**
	Core +	**Number names to 10.** **Playing 'shop' buying/selling.**	**Count 5 objects.** **2d shapes.**	**Counting and number names.** **Follow 2 colour patterns.**	**Number names.** **Hot/cold.**	**Adding (2 add 2).** **Heavy/light, on/off.**	**Counting in 10s.** **3/d shapes.**
Stage 2	**Core**	**Counting up to 15.**	**Reading number names 1 to 5.**	**Adding more to a group of objects.**	**Counting up to 5 objects from a pile.**	**Adding 2 sets of objects up to 5**	**Subtracting 2 sets of objects to 5.**

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		Ordering daily events.	Coin values.	Taking away from a group of objects, Positional language: on top, over, below.	Halving.	2D Shapes: circle, square and triangle	3DShapes: pyramid, cube and sphere.
	Core +	Number names to 20. Days of the week.	1d numbers. Coins up to 10p	1 more/1 less. Positional language in speech	Counting objects from a pile (to 10) Equal/unequal halves	Adding 2 sets of objects(to 10). 2d shapes in real life.	Subtracting 2 sets of objects (to 10). 3d shapes in real life.
Stage 3	Core	Doubling numbers to 5. Symmetrical images.	Counting up to 10 objects using different aids. Playing 'shop' using simple calculations.	Reading numbers 11 - 20 Mass/weight: heavy and light etc.	Counting back from 20 Measuring time. (o'clock)	Reading multiples of 10. Sort using 2 lists.	Number bonds to 10. Halves in different contexts.
	Core +	Doubling numbers up to 1 Patterns.	Subtracting numbers of objects up to 10. Mass	Counting to 50. Distance, eg: using cubes, steps, etc.	Counting in multiples of 5. Time. (to half past the hour)	Counting up to 100. Sorting - using a circle	Number bonds to 10. Finding half of a set of objects by sharing. (fractions of sets)

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Stage 4	Core	Adding and subtracting 1 from a number to to 20. 2d shapes.	Partitioning 2/d numbers. Using coins to make amounts of money up to 20p.	Adding and subtracting 10 to any 2d number. Make amounts of money up to £1 in coins and £20 in notes.	Multiplication facts for 2, 5 and 10 times tables. Time to ¼ to and past the hour.	Divide concrete objects. Graphs and charts.	2d and 1d addition and subtraction. Units of measure including mass, length and capacity.
	Core +	Adding and subtracting a 1d number from a number to 20. 3d shapes.	Doubling 2d numbers and multiples of 10. 3d shapes.	Halving multiples of 10. Giving change from amounts of money up to £1.	Multiplication facts for the 3 and 4 times tables.l Placing different units of time in order.	Finding multiples using knowledge of known table facts. (division with remainders) Calculating halves of amounts, eg half of 10 is 5.	Adding 10s, 100s and 1,000s (separately) Using a thermometer to measure temperature.
Stage 5	Core	Multiplying whole numbers by 10. Properties of 3d shapes.	Solving 2d + 2d (column method) calculations. Fractions: thirds and quarters..	Multiplication facts for 5 tables. Couningt in intervals of 5 minutes	Solve 3d + 2d (column method) calculations Whole, half and quarter turns.	Doubling 3d numbers (without crossing) Drawing straight lines using a ruler	Multiplying multiples of 10. Diagrams and graphs.
	Core+	Dividing whole	Solving 2d - 2d	Using	Solving 3d - 2d	Doubling 3d	Coin multiplication

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		numbers by 10. Comparing and sorting 2d shapes.	(column method) calculations. Counting in halves using mixed and improper fractions.	multiplication facts to find division facts. Halves of even of numbers up to 100 (eg ½ of 50)	(column method) calculations. Right angles.	numbers. (crossing) Parallel and perpendicular lines. .	cars (3 of the 7 facts) Fractions of shapes.
Stage 6	Core	Subtraction of 2d numbers from 100. Fractions equal to 1, eg two halfs, four quarters etc	Doubling 3d multiples of 100. Horizontal and vertical lines.	Multiplying 1d numbers by 1,2, 5,10, 20, 50 and 100 (coin multiplication) Angles greater than or less than a right angle.	Solving 3d +/- 2d calculations. Prisms and regular/ irregular polygons.	Solving a 2d x 1d calculations. Units of measure: capacity and mass.	Multiplication facts for 2, 3, 4,5,8 and 10 times tables. Using Carroll Diagrams.
	Core +	Solving 2d + 2d (addition and subtraction) calculations. Adding and subtracting fractions with the same denominator.	Doubling 3d numbers. Parallel and perpendicular lines.	Multiplying multiples of 100. Obtuse and acute angles.	Solve 3d +/- 2d calculations. Symmetry and non-symmetrical shapes.	Solve 2d x 1d calculations. Units of measure: length.	Multiplication facts (up to 10 x 10) Diagrams, including Venn and Carroll.

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Year 7	Core	AQA ELC Comp 1 Properties of numbers		AQA ELC Comp 2 The Four operations		AQA ELC Comp 4 Money	
	Core +	AQA ELC Comp 1 Properties of numbers	AQA ELC Comp 2 The Four operations	AQA ELC Comp 3 Ratio	AQA ELC Comp 5 The Calendar and time	AQA ELC Comp 8 Statistics	AQA ELC Comp 4 Money
	Core++	AQA ELC AQA ELC Components 1,2,3,8 Properties of number The Four Operations Ratio Statistics	AQA ELC AQA ELC Components 7,4,5,6 Geometry Money Time Measure	Stage 6 Stage 6 3.Visualising and Constructing 4.Investigating properties of shapes 5.Algebraic Proficiency	Stage 6 Stage 6 6.Exploring FDP 7.Proportional Reasoning 8.Pattern Spotting 9.Calculating FDP	Stage 6 Stage 6 10.Calculating Space 11.Measuring Space 12.Investigating Angles 13.Solving equations	Stage 6 Stage 6 14.Checking, approx. estimate 15.Mathematical movement 16.Presenting Data 17.Measuring Data

Year 8	Core	AQA ELC Comp 5 The Calendar and time		AQA ELC Comp 3 Ratio		AQA ELC **Comp 8** Statistics	
	Core +	AQA ELC Component 6 Measures	AQA ELC Comp 7 - Geometry	Stage 6 3.Visualising & Constructing 4.Investigating shapes 5. Algebraic Proficiency	Stage 6 6. Exploring FDP 7. Proportional Reasoning 8. Pattern Spotting	Stage 6 10. Calculating Space 11.Measuring Space 12. Investigating	Stage 6 14.Approx&estimate 15. Mathematical movement 16.Presenting Data

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					9. Calculating FDP	Angles 13. Solving equations	17. Measuring Data
	Core ++	**Stage 7** 1. Numbers and the number system 2. Counting and comparing 3. Calculating	**Stage 7** 4. Visualising and constructing 5. Investigating properties of shapes 6. Algebraic proficiency tinkering	**Stage 7** 7. Exploring fractions, decimals and percentages 8. Proportional reasoning 9. Pattern spotting	**Stage 7** 10. Measuring space 11. Investigating angles 12. Calculating fractions, decimals and percentages	**Stage 7** 13. Solving equations and inequalities 14. Calculating space 15. Checking, approximating and estimating	**Stage 7** 16. Mathematical movement 17. Presentation of data 18. Measuring data
Year 9	**Core**	**AQA ELC** **Comp 7** Geometry		**AQA ELC** **Comp 6** Measures		**Entry Level Catch up**	**Real Life Maths Projects**
	Core +	**Stage 7** 1. Numbers and the number system 2. Counting and comparing 3. Calculating	**Stage 7** 4. Visualising and constructing 5. Investigating properties of shapes 6. Algebraic proficiency tinkering	**Stage 7** 7. Exploring fractions, decimals and percentages 8. Proportional reasoning 9. Pattern spotting	**Stage 7** 10. Measuring space 11. Investigating angles 12. Calculating fractions, decimals and percentages	**Stage 7** 13. Solving equations and inequalities 14. Calculating space 15. Checking,	**Stage 7** 16. Mathematical movement 17. Presentation of data 18. Measuring data

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						approximating and estimating	
	Core++	**Stage 8** 1. Number and the Number System 2. Calculating 3. Visualising and Constructing	**Stage 8** 4. Understanding Risk 1 5. Algebraic Proficiency	**Stage 8** 6. Exploring FDP 7. Proportional Reasoning 8. Pattern Spotting	**Stage 8** 9. Investigating Angles 10. Calculating FD**P**	**Stage 8** 11. Solving Equations and Inequalities 12. Calculating Space 13. Algebraic Proficiency Visualising	**Stage 8** 14. Understanding Risk 2 15. Presentation of Data 16. Measuring Data
Year10	**Core**	**NCFE ELFS 1** Number Money Time	**NCFE ELFS 1** Measure Shape Position Data **Exam**	**NCFE ELFS 2** Number Sequences Add / Subtract	**NCFE ELFS 2** Multiplying Time / Money Dividing	**NCFE ELFS 2** Rounding Fractions Decimals	**NCFE ELFS 2** Measure Direction Data **Exam**
	Core +	**NCFE ELFS 2** Number Sequences Add / Subtract Multiplying	**NCFE ELFS 2** Time / Money Dividing Rounding Fractions	**NCFE ELFS 2** Decimals Measure Direction Data **Exam**	**NCFE ELFS 3** Number Order Dividing/Multiply Rounding Sequences Fractions / Decimals	**NCFE ELFS 3** Money Time Metric/Imperial Metric Units	**NCFE ELFS 3** Shape Properties Symmetry Interpreting Data Representing Data **Exam**
	Core++	**GCSE F** Calculations	**GCSE F** Averages	**GCSE F** Scatter Graphs	**GCSE F** Perimeter and Area	**GCSE F** Trigonometry	**GCSE F** Straight Line Graphs

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		Fractions Angles Algebra **Mock Exam**	Rounding Pythagoras Solving Equations **Mock Exam**	Ratio Inequalities Percentages **Mock Exam**	Circles Standard Form Sim. Equations **Mock Exam**	Factorising Quads Proportion Probability **Mock Exam**	Quadratic Graphs Vectors Bearings **Mock Exam**
Year 11	**Core**	**NCFE ELFS 3** Number order Dividing / Multiply	**NCFE ELFS 3** Rounding Sequences Fractions **Exam**	**NCFE ELFS 3** Decimals Money Time	**NCFE ELFS 3** Metric/Imperial Metric Units Shape properties	**NCFE ELFS 3** Symmetry Interpreting Data Representing Data	**NCFE ELFS 3** **Revision** **Exam**
	Core +	**GCSE F** Calculations Angles Algebra	**GCSE F** Averages Rounding Solving Equations **Mock Exam**	**GCSE F** Scatter Graphs Ratio Inequalities **Mock Exam**	**GCSE F** Percentages Perimeter and Area Circles **Mock Exam**	**GCSE F** Standard Form Proportion Probability **Mock Exam**	**GCSE F** Straight Line Graphs Bearings Pythagoras **Mock Exam**
	Core ++	**GCSE F** 4 strands per week Topic Revision	**GCSE F** 4 strands per week Topic Revision **Mock Exam**	**GCSE F** Topic Revision NUMBER **Mock Exam**	**GCSE F** Topic Revision SHAPE **Mock Exam**	**GCSE F** Topic Revision ALGEBRA **Mock Exam**	**GCSE F** Topic Revision DATA **Exam**