

Long Term Plan Maths

2026-2027

Year	Autumn 1 (7 weeks = 14 lessons)	Autumn 2 (7 weeks = 14 lessons)	Spring 1 (6 weeks = 12 lessons)	Spring 2 (5 weeks = 10 lessons)	Summer 1 (7 weeks = 14 lessons)	Summer 2 (7 weeks = 14 lessons)
Green (academic Year 27-28) Follows Y4 WR	Place value 1. Represent numbers to 1,000 2. Partition numbers to 1,000 3. Represent numbers to 10,000 4. Partition numbers to 10,000 5. Find 1, 10, 100, 1000 more or less 6. Compare and order numbers Addition and subtraction 7. Add and subtract 10s, 100s and 1000s 8. Written methods addition 9. Written methods subtraction 10. Estimate answers Lessons 11-14 consolidation and catch up	Perimeter and area 1. Perimeter on a grid 2. Perimeter of a rectangle 3. Perimeter of rectilinear shapes 4. Finding missing lengths 5. Perimeter of regular polygons Multiplication and division 6. Multiply and divide by 6 7. 6 times-table and division facts 8. Multiply and divide by 9 9. 9 times-table facts 10. 3, 6, 9 times-tables Lessons 11-14 consolidation and catch up	Multiplication and division 1. Factor pairs 2. Using factor pairs 3. Multiply by 10 4. Multiply by 100 5. Divide by 10 and 100 6. Related facts 7. Informal written methods for multiplication and division 8. Multiply 2 digit by 1 digit 9. Divide 2 digit by 1 digit Lessons 10-12 consolidation and catch up	Fractions 1. Understand the whole 2. Count beyond 1 3. Partition a mixed number 4. Number lines with mixed numbers 5. Compare and order mixed numbers Decimals 6. Tenths as fractions 7. Tenths as decimals 8. Tenths on a place value chart 9. Tenths on a number line 10. Hundredths	Money 1. Write money using decimals 2. Convert between pounds and pence 3. Compare amounts of money 4. Estimate with money 5. Calculate with money 6. Solve problems with money Time 7. Years, months, weeks and days 8. Hours, minutes and seconds 9. Convert between analogue and digital 10. Convert to the 24 hour clock Lessons 11-14 consolidation and catch up	Shape 1. Triangles 2. Quadrilaterals 3. Polygons Statistics/Digital skills 4. Cells and input data 5. Tables on excel 6. Creating bar charts 7. Understanding line graphs 8. Creating line graphs 9. Calculating sum and difference 10. Calculating mean Lessons 11-14 consolidation and catch up
Blue (academic Year 26-27) Follows Y5 WR	Place value 1. Numbers to 10,000 2. Numbers to 100,000 3. Numbers to 1,000,000 4. Partitioning numbers 5. Order and compare numbers 6. Rounding Addition and subtraction 7. Mental addition and subtraction	Multiplication and division 1. Multiples 2. Common multiples 3. Factors 4. Common Factors 5. Prime numbers 6. Square numbers 7. Multiply and divide by 10 & 100. Fractions 8. Identifying a fraction	Perimeter and Area 1. Perimeter of rectangles 2. Perimeter of rectilinear shapes 3. Perimeter of polygons 4. Area of rectangles 5. Area of compound shapes Statistics 6. Draw bar charts 7. Interpret bar charts	Angles 1. Understand and use degrees 2. Classify angles 3. Estimate angles 4. Measure angles up to 180 5. Draw lines and angles Position and direction 6. Read and plot coordinates	Decimals 1. Understanding place value of decimals 2. Add and subtract decimals within 1 3. Add and subtract decimals across 1. 4. Decimal sequences 5. Multiply and divide by 10 & 100 with decimals Negative numbers	Converting units 1. Kilograms and kilometres 2. Millimetres and millilitres 3. Convert units of length 4. Convert units of time 5. Calculate with timetables Volume 6. Cubic centimetres

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	8. Written methods for addition 9. Written methods for subtraction 10. Round to check answers 11. Inverse operations 12. Multi-step addition and subtraction Lessons 13 & 14 consolidation and catch up	9. Multiply a unit fraction by an integer 10. Multiply a non-unit fraction by an integer 11. Fraction of an amount Lessons 12-14 consolidation and catch up	8. Draw line graphs 9. Read and interpret line graphs Lessons 10-12 consolidation and catch up	7. Problem solving with coordinates 8. Lines of symmetry 9. Reflection in horizontal and vertical lines 10. Consolidation and catch up	6. Understand negative numbers 7. Count through zero 8. Compare and order negative numbers 9. Find the difference 10. Zero pairs Lessons 11-14 consolidation and catch up	7. Compare volume 8. Estimate volume 9. Estimate capacity 10. Investigation Lessons 11-14 consolidation and catch up
Y10	Four operations 1. Multiplying and dividing by 10, 100, 1000 (place value) 2. Using known facts and place value to derive new multiplication facts. 3. Written multiplication methods 4. Written division methods Expressions and equations (Y8 WR) 5. Like and unlike terms 6. Collect like terms 7. Solve 1-step linear equations (+/-) 8. Solve 1-step linear equations (x/divide) 9. Solve any 1-step linear equation. 10. Consolidation & end of unit assessment Lessons 11-14 used for catch up, consolidation and	Percentages 1. Understand percentages 2. Equivalent fractions, decimals and percentages 3. Percentage of an amount 4. Percentage increase and decrease Ratio 5. Link ratio & fractions 6. Simplify ratios 7. Ratio problems (whole given) 8. Ration problems (part given) Work with fractions 9. Fraction of an amount 10. Use fraction to find a whole 11. Equivalent fractions and mixed numbers 12. Add and subtract fractions Lessons 13 & 14 used for catch up, consolidation and	Non-calculator methods 1. Place value, compare and order numbers 2. Add and subtract integers and decimals 3. Multiply and divide integers and decimals 4. Four operations with directed number 5. Order of operations 6. Related calculations 7. Solve multi-step problems Probability 8. Find the probability of a single event 9. Use the property that probabilities sum to 1 10. List outcomes Lessons 11-14 used for catch up, consolidation and working toward Entry levels.	Perimeter, area and volume 1. Perimeter of a 2D shape 2. Area of a 2D shape 3. Area of a compound shape 4. Recognise and label parts of a circle 5. Circumference of a circle 6. Area of a circle 7. Volume of a cuboid 8. Nets 9. Surface area of a prism 10. Catch up and consolidation	Rounding and estimation 1. Rounding to significant figures 2. Estimate answers to calculations Angles & bearings 3. Angles and turns 4. Measuring angles 5. Categorising angles 6. Calculating angles on a straight line 7. Calculating angles around a point Interpret and represent data 8. Median and mode 9. Mean 10. Range Lessons 11-14 used for catch up, consolidation and working toward Entry levels.	Graphs and diagrams 1. Revise pictograms and bar charts 2. Draw and interpret pie charts 3. Time-series graphs 4. Frequency polygons 5. Stem-and-leaf diagrams Factors and powers 6. Factors, multiples 7. Prime numbers 8. Square numbers 9. Cube numbers Data and excel 10. Process numeric data using simple formulae (sum, subtraction) DFS FSL1 2.4 11. Process numeric data using simple formulae (multiply, divide) DFS FSL1 2.4 Lessons 12-14 used for catch up, consolidation and working toward Entry levels.

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	working toward Entry levels.	working toward Entry levels.				
Y11	Four operations 1. Multiplying and dividing by 10, 100, 1000 (place value) 11. Using known facts and place value to derive new multiplication facts. 12. Written multiplication methods 13. Written division methods Ratio and proportion 14. Solve problems with ratio 15. Direct proportion 16. Best buy problems 17. Conversion graphs 18. Exchange rates 19. Inverse proportion Lessons 11-14 used for catch up, consolidation and working toward Entry levels.	Area and volume 1. 2D shape revision 2. Area and perimeter revision 3. 3D shape revision 4. Volume of a cuboid 5. Area of a circle 6. Volume of a cylinder Surface area: 7. Surface area of a cuboid 8. Surface area of a cylinder Similarity and congruence 9. Identify similar shapes 10. Identify similar triangles Lessons 11-14 used for catch up, consolidation and working toward Entry levels.	Algebra 1. Function machines 2. Like and unlike terms 3. Collect like terms 4. Solve 1-step linear equations (+/-) 5. Solve 1-step linear equations (x/divide) 6. Solve any 1-step linear equation. Rates & conversions 7. Convert between metric units 8. Convert between hours and minutes Calculator skills and multi-step problems 9. Breaking down exam questions (RUCSAC) 10. Using a calculator Lessons 12-14 used for catch up, consolidation and working toward Entry levels.	Angles & bearings 1. Compass points and related angles 2. Understand and represent bearings 3. Angles on a line 4. Angles around a point 5. Opposite angles Transformations 6. Enlargement (positive integer scale factor) 7. Line of symmetry 8. Reflection & rotation 9. Translation 10. Describe a transformation	Revision for GCSE exams To be updated based on mocks and needs	Exams and Y11 leave After exams/before DFS exam: Data and excel 1. Process numeric data using simple formulae (sum, subtraction, multiply, divide) DFS FSL1 2.4 2. Process numeric data using simple formulae (min, max, avg) DFS FSL1 2.4 3. Process (including sort, filter) numeric data by values in a column DFS FSL1 2.5 4. Format numeric data DFS FSL1 2.6 5. Chart a single series of numeric data using an appropriate type of chart and apply suitable titles and labels DFS FSL1 2.7

Half Termly Career Focus

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Green	Statistician Construction Estimator	Meteorologist Software developer	Data analyst Market researcher	Banker Sports analyst	Train driver Pilot	Carpenter Animator/Game designer

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Blue	Chef/caterer Architect	Computer programmer	Painter/Decorator Landscape gardener Plumber	Nutritionist Shop manager	Graphic designer Data Scientist Astronomer	Weather forecaster Epidemiologist
Y10	Engineer Chemist	Retail manager Bank/loan officer	Model maker Chef/baker	Data analystist Teacher Environmental scientist	Builder/contractor Interior designer	Aerospace engineer Physicist Marine navigator
Y11	Pharmacist Cartographer	Warehouse planner Robotics engineer Aerospace engineer	Computer scientist Economist	Civil engineer Surveyor	Animator/VFX artist Fashion pattern cutter	Skills for further education & careers e.g. revision, exams