

Hogarth Academy Mathematics Curriculum

Year 4 2022/23

Week	Day	Learning Objective
1 Autumn 1	Monday	Summer holiday
	Tuesday	Assessment (2022)
	Wednesday	Assessment (2022)
	Thursday	Pre-assessment (Place Value)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
2 Autumn 1	Monday	I am learning to represent numbers to 10, 000.
	Tuesday	I am learning to partition numbers to 10, 000 (including flexible partitioning).
	Wednesday	I am learning to find 1, 10, 100 or 1, 000 more than.
	Thursday	I am learning to find 1, 10, 100 or 1, 000 less than.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
3 Autumn 1	Monday	I am learning to put numbers to 10, 000 on a number line
	Tuesday	I am learning to compare 4-digit numbers.
	Wednesday	I am learning to order numbers to 10, 000
	Thursday	I am learning to identify and use Roman numerals to 100.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
4 Autumn 1	Monday	I am learning to round to the nearest 10.
	Tuesday	I am learning to round to the nearest 100.
	Wednesday	I am learning to round to the nearest 1000.
	Thursday	Post-assessment (Place Value)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).

Week	Day	Learning Objective
5 Autumn 1	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	Pre-assessment (Addition and Subtraction)
	Thursday	I am learning to add 1, 10, 100 and 1000 mentally.
	Friday	I am learning to add 2 4-digit numbers (no exchange)
6 Autumn 1	Monday	I am learning to add 2 4-digit numbers (with 1 exchange)
	Tuesday	I am learning to add 2 4-digit numbers (with multiple exchange)
	Wednesday	I am learning to add 2 4-digit numbers (with multiple exchange)
	Thursday	I am learning to solve problems involving formal written addition.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).

Week	Day	Learning Objective
1 Autumn 2	Monday	I am learning to add 2 4-digit numbers (with multiple exchange)
	Tuesday	I am learning to subtract 2 4-digit numbers (no exchange)
	Wednesday	I am learning to subtract 2 4-digit number (1 exchange)
	Thursday	I am learning to subtract 2 4-digit number (with multiple exchange)
	Friday	I am learning to solve problems involving formal subtraction method.
2 Autumn 2	Monday	I am learning to use estimation and efficient checking strategies (including inverse).
	Tuesday	Post-assessment (Addition and Subtraction)
	Wednesday	Pre-assessment (Area)
	Thursday	I am learning to measure area by counting squares.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
3 Autumn 2	Monday	I am learning to measure area by counting squares (including half squares).
	Tuesday	I am learning to make rectilinear shapes using a given number of squares.
	Wednesday	I am learning to compare the area of different shapes.
	Thursday	Post assessment (Area)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
4 Autumn 2	Monday	Pre-assessment (Multiplication and Division)
	Tuesday	I am learning to multiply by 6.
	Wednesday	I am learning to divide by 6.
	Thursday	I am learning to multiply by 9.
	Friday	I am learning to divide by 9.
5 Autumn 2	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to multiply by 7.
	Thursday	I am learning to divide by 7.
	Friday	I am learning to multiply by 11.
	Monday	I am learning to divide by 11.

6 Autumn 2	Tuesday	I am learning to multiply by 12.
	Wednesday	I am learning to divide by 12.
	Thursday	I am learning to solve 1 and 2 step problems involving multiplication facts to 12 x 12.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
7 Autumn 2	Monday	I am learning to solve 1 and 2 step problems involving multiplication facts to 12 x 12.
	Tuesday	I am learning to multiply 3 numbers.
	Wednesday	Post assessment (Multiplication and Division Autumn)
	Thursday	Christmas Holiday
	Friday	Christmas Holiday

Week	Day	Learning Objective
1 Spring 1	Monday	Christmas Holidays
	Tuesday	Christmas Holidays
	Wednesday	Christmas Holidays
	Thursday	Pre-assessment (Spring)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
2 Spring 1	Monday	I am learning to find factor pairs.
	Tuesday	I am learning to multiply a 2-digit number by a 1-digit number (formal written method – no exchange).
	Wednesday	I am learning to multiply a 2-digit number by a 1-digit number (formal written method – with exchange).
	Thursday	I am learning to multiply a 3-digit number by a 1-digit number (formal method – with exchange)
	Friday	I am learning to divide a 2-digit number by a 1-digit number (formal method – no remainders)
3 Spring 1	Monday	I am learning to divide a 2-digit number by a 1-digit number (formal method – with remainders)
	Tuesday	I am learning to divide a 3-digit number by a 1-digit number (formal method – with remainders).
	Wednesday	I am learning to solve 1 and 2-digit problems using multiplication.
	Thursday	I am learning to solve 1 and 2-digit problems using division.
	Friday	Post assessment (Multiplication and Division - Spring)
4 Spring 1	Monday	Pre-assessment (Length and Perimeter)
	Tuesday	I am learning to convert between metres and kilometres.
	Wednesday	I am learning to find and compare the perimeter of a rectangle.
	Thursday	I am learning to find the perimeter of rectilinear shapes (including missing lengths)
	Friday	I am learning to find the perimeter of rectilinear shapes (without squares).

Week	Day	Learning Objective
5 Spring 1	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	Pre-assessment (Fractions)
	Thursday	I am learning to identify unit and non-unit fractions.
	Friday	I am identify unit fractions to 1/10.
6 Spring 1	Monday	I am learning to investigate and record equivalent fractions.
	Tuesday	I am learning to use equivalence diagrams.
	Wednesday	I am learning about fractions greater than 1 whole.
	Thursday	I am learning to count in fractions.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).

Day	Week	Learning Objective
1 Spring 2	Monday	I am learning to add and subtract 2 or more fractions with the same denominator within the whole.
	Tuesday	I am learning to add and subtract 2 or more fractions with the same denominator.
	Wednesday	I am learning to subtract fractions from whole amounts.
	Thursday	I am learning to subtract fractions from whole amounts.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
2 Spring 2	Monday	I am learning to find fractions of a quantity.
	Tuesday	I am learning to use fractions to calculate quantities.
	Wednesday	I am learning to solve problems involving fractions.
	Thursday	Post-assessment (Fractions)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
3 Spring 2	Monday	Pre-assessment (Decimals)
	Tuesday	I am learning to identify tenths and hundredths.
	Wednesday	I am learning to recognise the relationships between tenths and decimals.
	Thursday	I am learning to represent tenths on a place value grid.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
4 Spring 2	Monday	I am learning to place tenths on a number line.
	Tuesday	I am learning to divide a 1-digit number by 10.
	Wednesday	I am learning to divide a 2-digit number by 10.
	Thursday	I am learning to identify hundredths.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
5 Spring 2	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to recognise the relationship between hundredths as fractions and decimals.
	Thursday	I am learning to place hundredths on a place value grid.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).

6 Spring 2	Monday	I am learning to divide 1 or 2- digit numbers by 100.
	Tuesday	I am learning to solve problems involving fractions and decimals.
	Wednesday	Post-assessment (Decimals)
	Thursday	Pre-assessment (Decimals)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).

Week	Day	Learning Objective
1 Summer 1	Monday	I am learning to make a whole a whole from any number of tenths and hundredths.
	Tuesday	I am learning to know the value of each digit in a decimal (2 decimal places)
	Wednesday	I am learning to partition 2-place decimals.
	Thursday	I am learning to compare decimals.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
2 Summer 1	Monday	I am learning to order decimals.
	Tuesday	I am learning to round numbers to the nearest whole number.
	Wednesday	I am learning to write $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{4}$ as decimals.
	Thursday	I am learning to solve problems involving decimals.
	Friday	Post-assessment (Decimals)
3 Summer 1	Monday	Bank Holiday
	Tuesday	Inset day
	Wednesday	Pre-assessment (Money)
	Thursday	I am learning to represent pounds and pence using decimals.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
4 Summer 1	Monday	I am learning to order monetary values (also using number lines)
	Tuesday	I am learning to estimate the sum of 2 amounts.
	Wednesday	I am learning to solve simple problems using money and all four operations.
	Thursday	I am learning to solve simple problems using money and all four operations.
	Friday	Post-assessment (Money)

Week	Day	Learning Objective
5 Summer 1	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	Pre-assessment (Time)
	Thursday	I am learning to convert between seconds and minutes.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
6 Summer 1	Monday	I am learning to convert between different units of time including years, months, weeks and day.
	Tuesday	I am learning to convert between analogue and digital times (12 hr)
	Wednesday	I am learning to convert between analogue and digital times (24 hr)
	Thursday	Post assessment (Time)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).

Week	Day	Learning Objectives
1 Summer 2	Monday	Pre-assessment (Properties of shapes)
	Tuesday	I am learning to identify angles by comparing them to right angles (acute, obtuse and right).
	Wednesday	I am learning to compare angles.
	Thursday	I am learning to order angles.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
2 Summer 2	Monday	I am learning to recognise a variety of triangles.
	Tuesday	I am learning to identify a variety of quadrilaterals.
	Wednesday	I am learning to identify and find lines of symmetry in a variety of shapes.
	Thursday	I am learning to identify and complete symmetrical figures.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
3 Summer 2	Monday	I am learning to compare geometric shapes.
	Tuesday	I am learning to solve problems involving geometry.
	Wednesday	Post-assessment (Properties of shapes)
	Thursday	Pre-assessment (Statistics)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
4 Summer 2	Monday	I am learning how to interpret bar charts, pictograms and tables and to present discrete data
	Tuesday	I am learning to solve comparison problems using discrete data with a range of scales.
	Wednesday	I am learning to solve sum problems using discrete data with a range of scales.
	Thursday	I am learning to solve difference problems using discrete data with a range of scales.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
5 Summer 2	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to create line graphs using continuous data.
	Thursday	I am learning to solve comparison problems using continuous data (line graphs)

		with a range of scales.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
6 Summer 2	Monday	I am learning to solve sum problems using continuous data (line graphs) with a range of scales.
	Tuesday	. I am learning to solve difference problems using continuous data (line graphs) with a range of scales.
	Wednesday	Pre-assessment (Position and Direction)
	Thursday	I am learning to describe position relating to the position of a shape in a quadrant using coordinates
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods).
7 Summer 2	Monday	I am learning to draw shapes on a grid using coordinates.
	Tuesday	I am learning to draw shapes on a grid using coordinates.
	Wednesday	I am learning to move shapes and points on a grid.
	Thursday	I am learning to describe the movement of shapes (translation) using specific language.
	Friday	I am learning to solve problems involving position and direction.
8 Summer 2	Monday	Post-assessment (Position and Direction)
	Tuesday	Arithmetic (I am learning to develop my knowledge of mental methods).
	Wednesday	Post assessment – Position and Direction
	Thursday	Consolidation/recap based on teacher assessment