

# Hogarth Academy Mathematics Curriculum

## Year 3 2022-23

Week	Day	Learning Objective
<b>1</b> <b>Autumn 1</b>	Monday	Summer holiday
	Tuesday	Assessment (2022)
	Wednesday	Assessment (2022)
	Thursday	Pre-assessment (Place Value)
	Friday	I am learning to partition numbers to 100.
<b>2</b> <b>Autumn 1</b>	Monday	I am learning to place numbers to 100 on a number line.
	Tuesday	I am learning to partition numbers to 1000.
	Wednesday	I am learning to compare representations up to 1000 (including flexible partitioning)
	Thursday	I am learning to compare numbers up to 1000.
	Friday	I am learning to order numbers up to 1000.
<b>3</b> <b>Autumn 1</b>	Monday	I am learning to find 1, 10 or 100 more than any given number.
	Tuesday	I am learning to count in multiples of 50.
	Wednesday	Post-assessment (Place Value)
	Thursday	Pre-assessment (Addition and Subtraction)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
<b>4</b> <b>Autumn 1</b>	Monday	I am learning to add and subtract multiples of 10s.
	Tuesday	I am learning to add and subtract 100s.
	Wednesday	I am learning to add 1 digit numbers to 3 digit numbers (No exchange)
	Thursday	I am learning to add a 3 digit number and a 1 digit number (Exchange)
	Friday	I am learning to subtract a 1 digit number from a 3 digit number (Exchange)

Week	Day	Learning Objective
5  Autumn 1  27/09/2021	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to add and subtract 3 digit and 2 digit numbers (not crossing 100)
	Thursday	I am learning to add 3 digit and 2 digit numbers (crossing 100)
	Friday	I am learning to subtract a 2-digit number from a 3digit number (crossing 100)
6  Autumn 1  04/10/2021	Monday	I am learning to estimate answers.
	Tuesday	I am learning to use the inverse.
	Wednesday	I am learning to add two 3-digit numbers (Not crossing 1000 barriers)
	Thursday	I am learning to subtract a 3-digit number from a 3-digit number (No crossing 1000 barriers)
	Friday	Addition and Subtraction Post Assessment

Week	Day	Learning objective
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1  Autumn 2	Monday	Inset Day
	Tuesday	Pre-assessment (Multiplication and Division)
	Wednesday	I am learning to recognise and make equal groups.
	Thursday	I am learning to add equal groups.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
2  Autumn 2	Monday	I am learning to identify and order multiples of 2.
	Tuesday	I am learning to identify and order multiples of 5 and 10.
	Wednesday	I am learning to multiply by 3 (including missing numbers).
	Thursday	I am learning to divide by 3.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
3  Autumn 2	Monday	I am learning to solve division problems involving multiples of 3.
	Tuesday	I am learning to multiply by 4 (including missing numbers).
	Wednesday	I am learning to solve multiplication problems involving multiples of 4.
	Thursday	I am learning to divide by 4.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
4  Autumn 2	Monday	I am learning to solve division problems involving multiples of 4.
	Tuesday	I am learning to multiply by 8 (Including missing number problems).
	Wednesday	I am learning to solve multiplication problems involving multiples of 8.
	Thursday	I am learning to solve problems involving dividing by 8.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
5  Autumn 2	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to solve problems involving multiples of 2, 3, 4, 5, 8 and 10.
	Thursday	I am learning to solve reasoning problems involving multiples of 2, 3, 4, 5, 8 and 10.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)

Week	Day	Learning Objective
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<b>6</b>  <b>Autumn 2</b>	Monday	I am learning to solve 1-step problems involving 2, 3, 4, 5, 8 and 10.
	Tuesday	I am learning to solve 2 step problems involving multiplication and division.
	Wednesday	Post Assessment Multiplication and Division
	Thursday	Pre-assessment – Multiplication and Division (Spring)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
<b>7</b>  <b>Autumn 2</b>	Monday	I am learning to compare mathematical statements
	Tuesday	I am learning to compare mathematical statements
	Wednesday	Arithmetic (I am learning to develop my knowledge of mental methods)
	Thursday	Christmas Holidays
	Friday	Christmas Holidays

Week	Day	Learning Objective
<b>1</b>  <b>Spring 1</b>	Monday	Christmas Holidays
	Tuesday	Christmas Holidays
	Wednesday	Christmas Holidays
	Thursday	I am learning to use multiplication facts to solve other multiplication problems.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
<b>2</b>  <b>Spring 1</b>	Monday	I am learning to multiply 2-digits by 1-digit using formal method (no exchange)
	Tuesday	I am learning to multiply 2-digits by 1-digit using formal method (exchange)
	Wednesday	I am learning to divide 2 digit numbers by 1 digit numbers using formal method (Short Division – no remainders)
	Thursday	I am learning to divide 2 digits by 1 digits using partitioning (Short Division – no remainders)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
<b>3</b>  <b>Spring 1</b>	Monday	I am learning to divide 2 digits by 1 digits (inc. remainders)
	Tuesday	I am learning to divide 2 digits by 1 digits (inc. remainders)
	Wednesday	I am learning to solve problems involving scaling.
	Thursday	I am learning to solve problems involving scaling.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
<b>4</b>  <b>Spring 1</b>	Monday	Post-assessment (Multiplication and Division)
	Tuesday	Pre-assessment (Length and Perimeter)
	Wednesday	I am learning to measure length using MM, CM and M.
	Thursday	I am learning to convert between M and CM (No decimals)
	Friday	I am learning to convert between MM and CM (No decimals)

Week	Day	Learning Objective
5  Spring 1	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to compare lengths using MM, CM and M.
	Thursday	I am learning to add measurement in different units.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
6  Spring 1	Monday	I am learning to subtract lengths in different units.
	Tuesday	I am learning to measure the perimeter of a 2D shape.
	Wednesday	I am learning to calculate the perimeter of a 2D shape.
	Thursday	Post-assessment (Length and Perimeter)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)

Week	Day	Learning Objective
1  Spring 2	Monday	Pre-assessment (Fractions)
	Tuesday	I am learning to make a whole.
	Wednesday	I am learning to identify tenths.
	Thursday	I am learning to count in tenths.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
2  Spring 2	Monday	I am learning to connect tenths to decimal measures.
	Tuesday	I am learning to order fractions with the same denominators (Also on a number line).
	Wednesday	I am learning to find fractions of amounts (unit fractions)
	Thursday	I am learning to find fractions of amounts (non-unit fractions)
	Friday	I am learning to find fractions of amounts including problems.
3  Spring 2	Monday	I am learning to identify equivalent fractions.
	Tuesday	I am learning to identify and represent equivalent fractions.
	Wednesday	I am learning to compare fractions with the same denominator.
	Thursday	I am learning to order fractions with the same denominator.
	Friday	I am learning to add fractions with the same denominator (sum less than 1 whole)
4  Spring 2	Monday	I am learning to subtract fractions with the same denominator (within 1 whole)
	Tuesday	I am learning to solve problems involving fractions.
	Wednesday	Post assessment (Fractions)
	Thursday	Pre-assessment (Mass and capacity)
	Friday	I am learning to measure mass (KG and G) using a variety of scales.
5  Spring 2	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to measure mass using a variety of mixed mass units.
	Thursday	I am learning to compare mass using KG and G.
	Friday	I am learning to add and subtract mass.
	Monday	I am learning to measure capacity using litres and millilitres (using a variety of scales).

6  Spring 2	Tuesday	I am learning to measure capacity including mixing units.
	Wednesday	I am learning to compare different amounts of capacity.
	Thursday	I am learning to add and subtract capacity.
	Friday	Post assessment (Mass and Capacity)



Week	Day	Learning Objective
1  Summer 1	Monday	Pre-assessment (Money)
	Tuesday	I am learning to identify the value of each coin and note and represent these in different ways.
	Wednesday	I am learning to convert between pounds and pence.
	Thursday	I am learning to add money.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
2  Summer 1	Monday	I am learning to subtract money
	Tuesday	I am learning to give change.
	Wednesday	I am learning to solve problems involving money.
	Thursday	Post assessment (Money)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
3  Summer 1	Monday	Bank Holiday Monday
	Tuesday	Inset Day
	Wednesday	Pre-assessment - Time
	Thursday	I am learning to recall the number of days in each month (inc leap year).
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
4  Summer 1	Monday	I am learning to use language such as noon, midday and midnight.
	Tuesday	I am learning to tell the time to 5 minutes on an analogue clock.
	Wednesday	I am learning to tell the time to 1 minute using an analogue clock.
	Thursday	I am learning to use a.m. and p.m.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)

Week	Day	Learning Objective
5  Summer 1	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to tell the time on a 24 hour clock.
	Thursday	I am learning to find the duration of events on an analogue clock.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
6  Summer 1	Monday	I am learning to find the duration of events on a digital clock.
	Tuesday	I am learning to find start and end times on a clock.
	Wednesday	I am learning to measure time in seconds.
	Thursday	I am learning to solve problems involving time.
	Friday	Post assessment - Time

Week	Day	Learning Objectives
1  Summer 2	Monday	Pre-assessment (Properties of shapes)
	Tuesday	I am learning to identify turns.
	Wednesday	I am learning to identify right angles in shapes.
	Thursday	I am learning to compare angles (acute, obtuse, right)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
2  Summer 2	Monday	I am learning to draw and measure straight lines accurately.
	Tuesday	I am learning to use rounding to draw straight lines in CM.
	Wednesday	I am learning to identify horizontal and vertical lines.
	Thursday	I am learning to identify parallel and perpendicular lines.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
3  Summer 2	Monday	I am learning to recognise, describe and draw 2D shapes.
	Tuesday	I am learning to identify symmetrical and non-symmetrical shapes.
	Wednesday	I am learning to recognise 3D shapes.
	Thursday	I am learning to describe and name the properties of 3D shapes.
	Friday	I am learning to construct 3D shapes.
4  Summer 2	Monday	I am learning to solve problems involving shapes/angles.
	Tuesday	Post-assessment (Geometry: Properties of Shape)
	Wednesday	Pre-assessment (Statistics)
	Thursday	I am learning to draw a table.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)

Week	Day	Learning Objectives
5  Summer 2	Monday	Assessment (2022)
	Tuesday	Assessment (2022)
	Wednesday	I am learning to draw pictograms (including different scales)
	Thursday	I am learning to interpret data from a pictogram (including different scales)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
6  Summer 2	Monday	I am learning to solve 1 and 2 step problems involving pictograms.
	Tuesday	I am learning to draw bar charts (including different scales)
	Wednesday	I am learning to interpret bar charts (including different scales)
	Thursday	I am learning to solve 1 and 2 step problems involving bar charts.
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
7  Summer 2	Monday	I am learning to create tables (including different scales)
	Tuesday	I am learning to interpret tables (including different scales)
	Wednesday	I am learning to solve 1 and 2 step problems involving bar charts.
	Thursday	Post-assessment (statistics)
	Friday	Arithmetic (I am learning to develop my knowledge of mental methods)
8  Summer 2	Monday	Consolidation/recap based on teacher assessment
	Tuesday	Consolidation/recap based on teacher assessment
	Wednesday	Consolidation/recap based on teacher assessment
	Thursday	Consolidation/recap based on teacher assessment