Maths at Balliol Primary School

The National Curriculum for mathematics aims to ensure that all pupils:

- become **fluent** in the fundamentals of mathematics, including varied and frequent practice with increasingly complex problems, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **reason mathematically** by following a line of enquiry, using relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can **solve problems** by applying their mathematics to a variety of problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Here is an overview of the areas of Maths taught in different year groups throughout the year. It is important to note that areas of Maths are constantly revisited through daily Maths warm-ups and also through the links made throughout the different units of work.

Year group	Autumn Term	Spring Term	Summer Term	Times Table Expectations
EYFS	- matching and sorting - comparing amounts - exploring pattern - comparing size, mass & capacity - numbers to 5 - one more and one less. - circles, triangles & shapes with 4 sides - positional language - time	- introducing zero - numbers to 10 - combining 2 amounts - number bonds - comparing mass & capacity - length and height - time 3D shapes - patterns & spacial awareness	- numbers to 20 and beyond - adding & taking away - doubling - sharing & grouping - even and odd - patterns & relationships - spacial reasoning	
Year 1	- Number: place value (within 10) - Number: addition & subtraction (within 10) - Geometry: shape - Consolidation	- Number: place value (within 20) - Number: addition & subtraction (within 20) - Number: place value (within 50) - Measurement: length & height - Measurement: weight & volume - Consolidation	- Number: multiplication & division - Number: fractions - Geometry: position & direction - Number: place value (within 100) - Measurement: money - Measurement: time - Consolidation	Preparing for times tables - counting in multiples of 2, 5 and 10.

Year group	Autumn Term	Spring Term	Summer Term	Times Table Expectations
Year 2	• Number: place value • Number: addition & subtraction • Geometry: 2D and 3D shape • Consolidation	• Number: multiplication & division • Number: fractions • Measurement: money • Statistics • Consolidation	• Consolidation of previous learning • Number: fractions • Statistics • Measurement: time • Measurement: length & height • Geometry: position & direction • Measurement: mass, capacity & temperature	2x, 5x and 10x tables (Balliol Bronze Award)
Year 3	• Number: place value • Number: addition & subtraction • Number: multiplication & division • Consolidation	• Number: multiplication & division • Measurement: money • Measurement: length & perimeter • Number: fractions • Consolidation	• Number: fractions • Measurement: time • Statistics • Geometry: properties of shape • Measurement: mass & capacity • Consolidation	3x, 4x and 8x tables (Balliol Silver Award)
Year 4	• Number: place value • Number: addition & subtraction • Measurement: area • Number: multiplication & division • Consolidation	• Number: multiplication & division • Measurement: length & perimeter • Number: fractions • Number: decimals • Consolidation	• Number: decimals • Measurement: money • Measurement: time • Statistics • Geometry: properties of shape • Geometry: position & direction • Consolidation	6x, 7x, 9x, 11x and 12x tables (Balliol Gold Award)
Year 5	• Number: place value • Number: addition & subtraction • Number: multiplication & division • Number: fractions • Statistics • Consolidation	• Number: multiplication & division • Number: fractions • Number: decimals and percentages • Number: negative numbers • Measurement: perimeter & area • Consolidation	• Number: decimals • Geometry: properties of shape • Geometry: position & direction • Measurement: converting units • Measurement: volume • Consolidation	Consolidate all times tables (Balliol Platinum Award)
Year 6	• Number: place value • Number: addition, subtraction, multiplication & division • Geometry: position & direction • Number: fractions • Consolidation	• Number: decimals • Number: fractions, decimals & percentages • Number: algebra • Statistics • Measurement: converting units • Measurement: perimeter, area & volume • Consolidation	• Consolidation of previous learning • Number: ratio • Geometry: properties of shape & angles • Statistics • Investigations • Preparation for KS3 maths	Consolidate all times tables (Balliol Platinum Award)