Primary Mathematics Progression: Key Knowledge & Skills

Year 1 – Early Number Foundations	Year 2 – Securing Place Value & Early Operations	Year 3 – Formalising Written Methods & Early Fractions
Focus: Counting, recognising numbers, basic operations, early measurement & shape. • Count, read and write numbers to **100**; count in **1s, 2s, 5s, 10s**. • Identify **one more/one less**; use simple number comparisons. • Begin addition & subtraction using **concrete and pictorial representations**. • Recognise, name and describe **common 2-D & 3-D shapes**. • Begin to measure length, mass, capacity; know coins and tell time to the hour/half-hour.	**Focus:** Fluency with 2-digit numbers, basic multiplication/division, simple fractions. • Count in **2s, 3s, 5s, 10s**; understand **tens and ones**. • Use number facts to solve addition & subtraction problems. • Recall and use multiplication/division facts for **2, 5, 10**. • Recognise, find and name simple **fractions** (½, ⅓, ¼, ¾). • Tell time to the nearest **5 minutes**; read scales in simple steps.	**Focus:** 3-digit place value, secure operations, more complex shapes/measurement. • Read and write numbers to **1000**; recognise **hundreds, tens and ones**. • Add/subtract using **formal written methods** for 3-digit numbers. • Recall multiplication/division facts for **3, 4, 8**. • Understand simple **equivalent fractions**, count in tenths. • Measure perimeter; tell time to the nearest minute; use Roman numerals to 12.
Year 4 – Multiplication Fluency & Deeper Fractions	**Year 5 – Mastery of Written Methods & Connections Between Fractions/Decimals/Percentages**	**Year 6 – Advanced Number, Algebra Foundations & Sophisticated Problem-Solving**
Focus: 4-digit numbers, times tables to 12×12, area/perimeter, angles. • Read, write & compare numbers to **10,000**; round to nearest 10/100/1000. • Recall **all multiplication facts to 12 × 12**. • Use formal written methods for **all four operations** (developing). • Work with **hundredths**; recognise decimal equivalents to ¼, ½, ¾. • Calculate **area** of rectangles; classify 2-D shapes; identify acute/obtuse/right angles.	**Focus:** 6-digit numbers, long multiplication, FDP conversion, volume. • Read, write & compare numbers to **1,000,000**; interpret negative numbers. • Use **long multiplication** and short division confidently. • Add/subtract fractions with the same denominator; multiply fractions by whole numbers. • Understand **decimals to thousandths**; convert between fractions, decimals & percentages. • Calculate **area, perimeter & volume**; convert between units, including metric/imperial.	**Focus:** 7-digit numbers, long division, complex fractions, ratio & algebra. • Read, write & compare numbers to **10,000,000**; round to any degree of accuracy. • Use **long division** and 4-operation fluency confidently. • Add, subtract, multiply & divide **fractions**, simplifying where possible. • Use **ratio, proportion and simple algebra** (expressions, missing number problems). • Interpret and construct **pie charts**, calculate the **mean**, and work with coordinates in **four quadrants**.