Whole-School Maths Progression Map (EYFS → Year 6)

NUMBER & PLACE VALUE

EYFS

- Counting reliably to 10, then 20
- Cardinality: knowing the last number counted = "how many"
- Comparing quantities using "more/less/same"
- Subitising to 5
- Exploring teen numbers and composition of numbers

Year 1

- Counting forwards/backwards to 100
- Place value within 10 → 20 → 50 → 100
- Representing numbers using concrete resources
- One more/one less
- Understanding tens and ones (partitioning)

Year 2

- Place value to 100
- Compare and order numbers
- Count in 2s, 5s, 10s, and begin 3s
- Partition numbers in different ways
- Recognise patterns on number lines and hundred squares

Year 3

- Place value to 1,000
- Understanding 1s, 10s, 100s
- Counting in multiples of 4, 8, 50, 100
- Rounding to nearest 10 or 100

Year 4

- Place value to 10,000
- Roman numerals
- Counting in multiples of 6, 7, 9, 25, 1,000
- Rounding to nearest 10, 100, 1,000

Year 5

- Place value to 1,000,000
- Powers of 10
- Negative numbers
- Reading and interpreting large numbers

Year 6

- Place value to 10,000,000
- Rounding to any degree
- Negative numbers in context
- Understanding the number system deeply (multiples, factors, primes)

ADDITION & SUBTRACTION

EYFS

- Combining two groups
- Part–part–whole early understanding
- Stories, songs, and practical adding/taking away

Year 1

- Number bonds to 10/20
- Addition and subtraction within 20
- Introducing bar models

Year 2

- Addition/subtraction with 2-digit numbers
- Strategies: number lines, partitioning, regrouping
- Efficient methods appear later in year

Year 3

- Formal column addition & subtraction (no exchanges → exchanges)
- Estimating answers

Year 4

- Efficient formal written methods
- Choosing efficient strategies

Year 5
- Multi-step problems
- Larger numbers and decimals

Year 6
- Complex multi-step problems
- Accuracy and checking methods

MULTIPLICATION & DIVISION

EYFS
- Equal groups, sharing in play
- Doubling and halving in context

Year 1
- Make/recognise equal groups
- Arrays and repeated addition

Year 2
- 2×, 5×, 10× tables secure
- Equal groups, arrays, scaling
- Division as sharing & grouping

Year 3
- 3×, 4×, 8× tables
- Multiplying 2-digit × 1-digit
- Division using grouping

Year 4
- All times tables to 12×12 expected
- 2-digit × 1-digit formal methods

Year 5
- Long multiplication (2-digit × 3-digit)
- Short division and interpreting remainders

Year 6
- Long division
- Complex multi-step multiplication & division
- Scaling and ratio links

FRACTIONS, DECIMALS & PERCENTAGES

EYFS
- Fair sharing using concrete objects

Year 1
- Recognise ½ and ¼

Year 2
- Fractions of shapes and amounts
- ⅓, ¼, ½, ⅔, ¾

Year 3
- Unit and non-unit fractions
- Equivalent fractions

Year 4
- Fractions greater than 1
- Conversions between fractions

Year 5
- Fractions, decimals and percentages
- Adding/subtracting fractions with same denominator

Year 6
- Complex FDP equivalences
- Multiply/divide fractions
- Problem-solving with FDP

MEASUREMENT, GEOMETRY & STATISTICS (SUMMARY)

- **EYFS:** shape, pattern, time in stories, comparing size/length/weight
- **KS1:** telling time, simple statistics, 2D & 3D shapes
- **LKS2:** perimeter, area, angles, symmetry, bar charts
- **UKS2:** volume, ratio, scale, circles, pie charts, line graphs