

Maths Skills Progression Document

Focus: Teaching for Mastery & White Rose Maths

Early Years Foundation Stage (EYFS)

White Rose Themes: Just Like Me, It's Me 1, 2, 3, Alive in 5, Growing 6, 7, 8, Building 9 & 10, To 20 and Beyond, First Then Now

Number & Counting

- Subitise numbers up to 5.
- Count objects, actions and sounds up to 10 and beyond.
- Understand the concept of zero.
- Develop 1:1 correspondence.
- Compare quantities using language: more than, fewer than.

Numerical Patterns

- Recognise and continue simple patterns.
- Explore odd and even numbers informally.
- Explore composition of numbers up to 10 (e.g., $5 = 2 + 3$).

Shape, Space & Measures

- Use positional language (e.g., under, behind).
- Recognise and name 2D and 3D shapes.
- Explore size, capacity, time, and length through practical play.

Year 1

White Rose Blocks: Place Value (within 10/20/50), Addition & Subtraction, Shape, Measurement (Length & Height, Weight & Volume, Time, Money)

Number & Place Value

- Count to 100 forwards/backwards.
- Recognise place value in numbers to 50.
- Read and write numbers in numerals and words.

Calculation

- Know and use number bonds to 10 and 20.
- Add/subtract one-digit and two-digit numbers to 20.
- Solve simple word problems using concrete/pictorial representations.

Geometry



- Recognise, name, and sort 2D and 3D shapes.
- Describe position, direction, and movement.

Measurement

- Compare lengths, heights, weight, and volume.
- Begin to measure using standard/non-standard units.
- Recognise coins and notes.
- Tell the time to the hour and half-hour.

Year 2

White Rose Blocks: Place Value, Addition & Subtraction, Money, Multiplication & Division, Geometry, Fractions, Measurement (Length, Mass, Temp, Time)

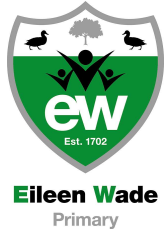
Number & Place Value

- Understand place value in 2-digit numbers (up to 100).
- Partition numbers into tens and ones.

Calculation

- Recall and use multiplication/division facts for 2, 5, and 10.
- Use formal written methods for addition/subtraction.
- Solve problems using all four operations.





Geometry & Measurement

- Identify 2D/3D shapes and describe properties.
- Tell time to the quarter hour.
- Measure length, temperature, mass using appropriate units.

Fractions

- Recognise, find and name $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{3}{4}$ of objects and numbers.
- Understand unit and non-unit fractions.

Year 3

White Rose Blocks: Place Value, Addition & Subtraction, Multiplication & Division, Money, Statistics, Measurement, Fractions

Number & Place Value

- Understand hundreds, tens, and ones.
- Compare and order numbers to 1,000.

Calculation



- Recall 3, 4, and 8 times tables.
- Use expanded methods for column addition/subtraction.
- Develop written methods for multiplication/division.

Geometry & Measurement

- Tell the time to the nearest minute.
- Measure perimeter of simple shapes.
- Identify angles as a property of shape or a description of a turn.

Fractions

- Recognise fractions as part of a whole or set.
- Add and subtract simple fractions with same denominator.

Year 4

White Rose Blocks: Place Value, Addition & Subtraction, Multiplication & Division, Area, Fractions & Decimals, Geometry, Statistics

Number & Place Value

- Recognise 4-digit numbers.
- Round to the nearest 10, 100, 1,000.

Calculation



- Recall times tables to 12×12 .
- Use short multiplication/division methods.
- Solve two-step problems involving all four operations.

Fractions & Decimals

- Recognise equivalent fractions.
- Convert between improper and mixed fractions.
- Count in hundredths and tenths.
- Round decimals to the nearest whole number.

Geometry

- Classify shapes using properties.
- Identify lines of symmetry and angles.

Year 5

White Rose Blocks: Place Value, Addition & Subtraction, Multiplication & Division, Fractions, Decimals & Percentages, Geometry, Measurement, Statistics

Number & Calculation

- Read, write and compare numbers to 1,000,000.
- Use formal written methods confidently.

- Identify multiples, factors, prime numbers.

Fractions, Decimals & Percentages

- Compare, order, add and subtract fractions.
- Convert between fractions, decimals, and percentages.
- Multiply fractions by whole numbers.

Measurement & Geometry

- Calculate area and perimeter.
- Convert between metric units.
- Draw and measure angles in degrees.

Year 6

White Rose Blocks: Place Value, Four Operations, Fractions, Decimals, Percentages, Algebra, Ratio, Geometry, Statistics

Number & Calculation

- Work with numbers to 10 million.
- Perform mental calculations with large numbers.
- Use BIDMAS for order of operations.

Fractions, Decimals & Percentages

- Add, subtract, multiply, and divide fractions.
- Convert fractions to decimals/percentages.
- Solve problems involving ratio and proportion.

Geometry & Algebra

- Use co-ordinates in four quadrants.
- Draw, translate, and reflect shapes.
- Explore simple algebra and formulae.

Statistics

- Interpret and construct line graphs and pie charts.
- Calculate and interpret the mean.

Teaching for Mastery Principles Embedded:

- **Fluency:** Repeated practice with number facts and procedures.
- **Reasoning:** Use of stem sentences, discussion, and explanation of thinking.
- **Problem Solving:** Tasks with multiple steps, different entry/exit points.
- **Concrete-Pictorial-Abstract (CPA):** Used throughout all year groups.



- **Small Steps Planning:** White Rose ensures progressive skill-building.

