# Maths Parent Information
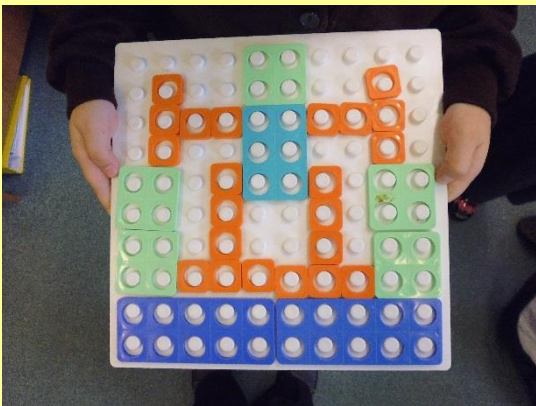
# 2023/24

# Session focus

- Maths in EYFS
- Maths mastery
- White Rose
- Number Sense
- Helping at home

# EYFS Maths

Number

Children at the expected level of development will:

- Have a deep understanding of number to 10, including the composition of each number;

- Subitise (recognise quantities without counting) up to 5;

- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.
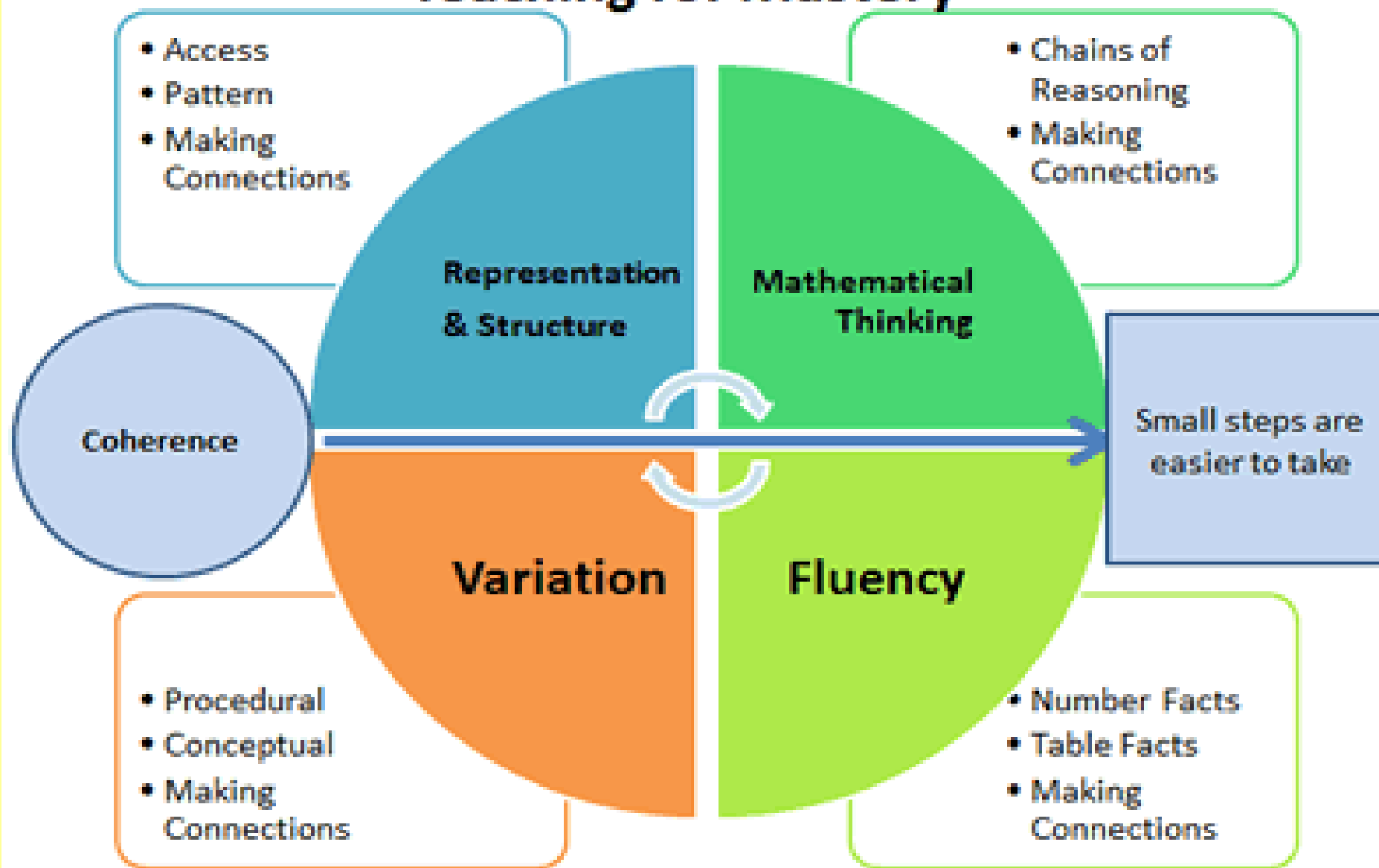
Numerical Patterns

Children at the expected level of development will:

- Verbally count beyond 20, recognising the pattern of the counting system;

- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity;

- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.
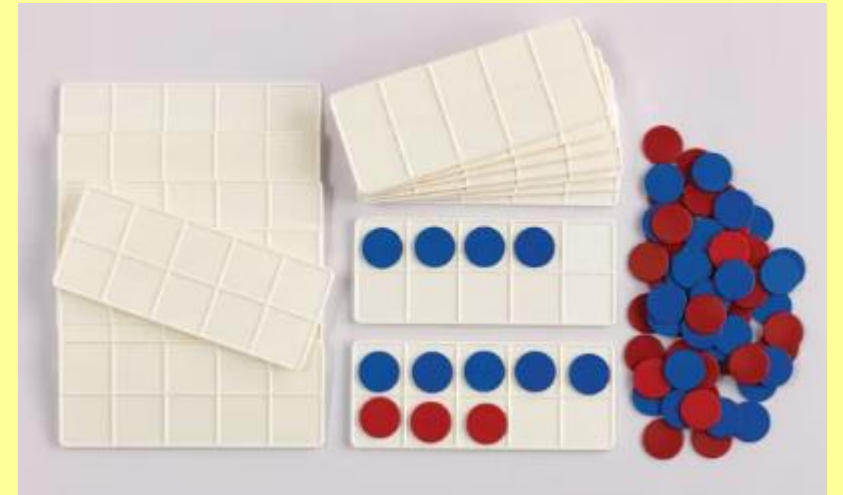
# EYFS Maths

- Maths in Early Years starts in a practical way and towards the end of the year moves on to recording calculations in the formal way, e.g. 7 + 2 = 9

- Children practise Maths everyday as a whole class e.g. counting, looking at how the numbers are formed, how we represent numbers (Numicon, cubes, etc)

- Each week the children will work in maths groups where their work may be recorded in their maths book.

- Maths is also encouraged during Own Learning Time.  A Maths challenge table is always available and is linked to the current topic.

# Teaching for Mastery

- Access
- Pattern
- Making Connections

- Chains of Reasoning
- Making Connections

Coherence

Representation & Structure

Mathematical Thinking

Variation

Fluency

Small steps are easier to take

- Procedural
- Conceptual
- Making Connections

- Number Facts
- Table Facts
- Making Connections

# Concrete, Pictorial, Abstract

# White Rose Maths

- White Rose is a scheme of learning that we introduced in September 2023 for all year groups.
- White Rose follows the mastery approach, therefore empowers every child to understand and succeed and rejects the idea that some children 'can't do maths'.
- It builds every concept in small, progressive steps to build a solid foundation of deep mathematical understanding.
- White Rose has been developed with interactive, whole-class teaching in mind.

**White Rose EDUCATION**

# Number Sense Maths

- **Highly visual, systematic and structured**

- **EYFS – supports key aspects of EYFS framework**
  - Have a deep understanding of number to 10, including relationships and patterns
  - spatial reasoning skills
  - positive attitude and interest in maths

- **KS1 and beyond**
  - secure confidence and flexibility with number
  - achieve fluency in addition and subtraction facts

- **Lower KS2**
  - develop fluency in times tables
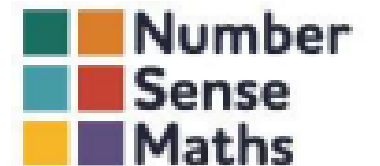
# Number Sense Maths

**Teaches 10 calculation strategies to enable children to develop quick recall of addition and subtraction facts**

**Calculation strategies are:**
- One more, one less
- Two more, Two less: Think odds and evens
- Number 10 Fact families
- Five and a bit
- Know about zero
- Doubles and near doubles
- Number neighbours: Spot the difference
- 7 Tree 9 Square
- Ten and a bit
- Make 10 and Then
- Adjusting
- Swap it
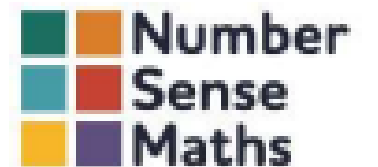
# Number Sense Maths

The calculation strategies are taught across six stages:

- Stage 1 – Visual number foundations
- Stage 2 – Make and break numbers to 10
- Stage 3 – Facts and strategies within 10
- Stage 4 -Ten and a bit facts
- Stage 5 – Facts and strategies across 10
- Stage 6 – Extending facts and strategies beyond the grid

Number
Sense
Maths

# Lower School - Times Tables

**Stage 1** — Programme Foundations

**Stage 2** — Essential Facts: Set 1 (21 facts)

**Stage 3** — Essential Facts: Set 2 (15 facts)

**Stage 4** — MTC Preparation

**Stage 5** — Consolidation

# Helping at home

Teachers set regular maths homework – vary across teams and in approach – age and skills appropriate.

Parents: How to help further?

Make children aware of maths in the world around them.  For example-

- Numbers – number plates, speed signs, distances, board games
- Cooking (measuring, estimating, time)
- Shopping (estimating, adding, subtracting, mental maths, number bonds, times tables)
- Building (measuring, estimating, costs)
- Time (bus, tv, film, train, aeroplane timetables)
- Recognizing shapes and understanding why they have been used for purpose   (e.g. triangles in bridges)