# Maths Curriculum Statement – Plan, Do and review cycle

The content and principles underpinning the Mathematics curriculum at Ewanrigg Junior School are based on the 2014 National Curriculum.

**We plan that all children will:**

- Become fluent in the fundamentals of mathematics.
- Develop conceptual understanding and the ability to recall and apply knowledge rapidly.
- Build up knowledge and understanding as they progress through the school.
- Are able to reason mathematically.
- Can solve problems by applying their mathematics to a range of increasingly complex problems.
- Be resilient and confident in their learning.

**Do:**

- We use the DFE approved, White Rose Maths Schemes of work, starting from Year 3. This is a whole school primary maths curriculum that creates continuity and progression in the teaching of mathematics. This is supplemented and adapted by the use of NCETM, Numicon Essentials, NRICH and other high-quality research based resources,
- Daily maths lessons include fluency, reasoning and problem solving.
- We use a mastery approach based on The 5 Big Ideas For teaching Mastery, adapting tasks and support to ensure that all children are sufficiently challenged.
- Concrete manipulatives and pictorial representations are used to support conceptual understanding, allow children to 'see' the maths and to make links across topics. These representations become mental images that students can use to think about and discuss mathematics, supporting them to achieve a deep understanding of mathematical structures and connections.
- Big Maths is used from Year 3 to develop rapid recall and to identify individual children's learning gaps.
- Children are assessed on a regular basis to ensure any learning gaps are identified and targeted.
- Children with SEND in Mathematics will follow the Maths For Life Programme

**Review**

- Most children reach end of year expectations.
- All children make expected or better progress from their starting points
- Well planned sequences of learning support children to develop and refine their maths skills.
- Children are able to independently apply their knowledge to a range of increasingly complex problems.
- Pupils actively engage in mathematical thinking in all lessons, discussing and communicating their ideas using precise mathematical language and can reason with increased confidence and accuracy.
- Children can create mathematical models and representations to help them explain their thinking
- Children can look for patterns and relationships, making connections, conjecturing, reasoning, and generalising.