

Maths at CwR

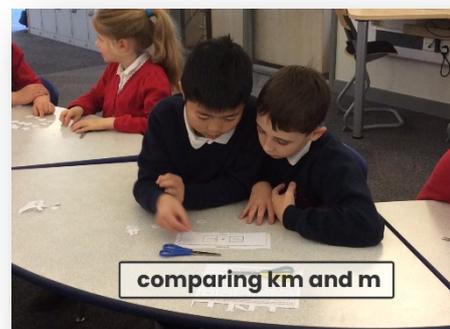
At CwR we believe all children can succeed in maths. Children are taught to have a positive Growth Mindset to maths through engaging in stimulating and challenging lessons. Throughout school we are developing a mastery approach to Maths teaching and learning focusing on the 5 Big Ideas for Mastery: coherence, representation and structure, mathematical thinking, fluency and variation. We follow the White Rose Maths Schemes of Learning from Y1-Y6.



Lessons are planned in a coherent, logical order using a small step approach. Significant time is spent developing deep knowledge of the key ideas that are needed to underpin future learning and topics are revisited time and again to deepen understanding. Through intelligent practice and building up experience of different contexts, children learn to apply their skills in any new situation.

Our Calculation Policy outlines the different calculation methods which should be used as outcomes in the EYFS curriculum and the national curriculum in Y1 to Y6. With calculation strategies, children demonstrate their understanding of these procedures, through the use of Concrete Pictorial Abstract (CPA) as appropriate, and in reasoning and problem solving activities. A daily focus on counting and fluency practices/reinforces basic skills. Key facts such as multiplication and addition facts within 10 are learnt to automaticity to avoid cognitive overload in the working memory and enable pupils to focus on new concepts. Children use TT Rockstars from KS1 to support learning of their times tables.

Speaking and listening is a big part of our mathematical learning and lessons involve working collaboratively to share ideas, consider alternatives and discuss what is effective. We value this daily 'maths talk' time to develop a Growth Mindset, building children's confidence, skills and resilience in solving



problems, so that they can apply them naturally in other situations and view mistakes as an opportunity to learn.

Our Aims

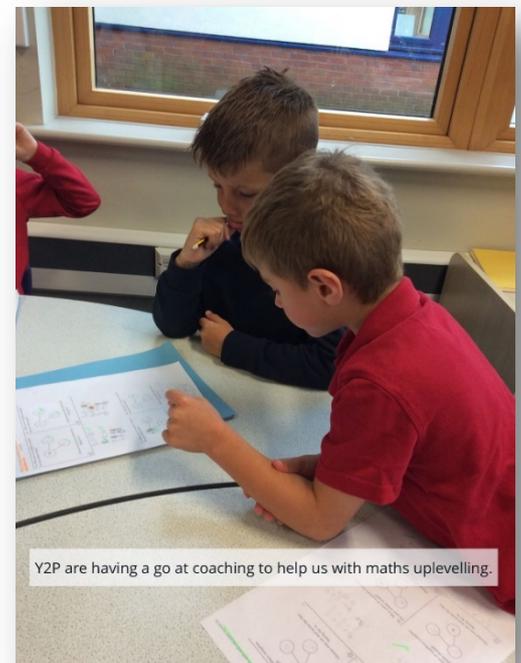
To develop number fluency (automaticity)

To encourage investigation and demonstration of mathematical ideas

To provide purposeful and practical maths scenarios

Routines

- Daily counting & subitising (recognising how many without counting)
- Daily Arithmetic to reinforce key calculation skills
- Daily - 3xWeekly written and verbal problem solving to reflect on learning evidenced in books and planning
- Daily Maths TALK TIME
- Homework - weekly FS & Y6; grid system of activities (KS1); fortnightly Y3-Y5



The children love Maths and solving problems at CwR!