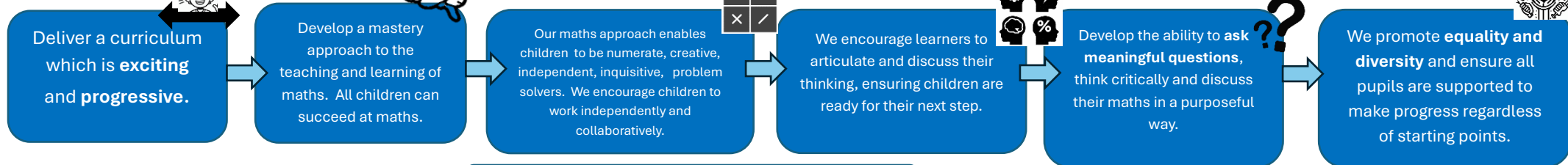


SUBJECT ON A PAGE

'Mathematics at Hawkchurch Primary is thoughtfully designed to foster a **deep understanding** of concepts, encourage **problem-solving skills**, and promote **mathematical fluency**.'
Through the White Rose Maths scheme, students explore topics such as place value, addition, subtraction, geometry, measurement, shape, time, fractions and algebra through a mastery approach.

Intent



Implementation

Sequence

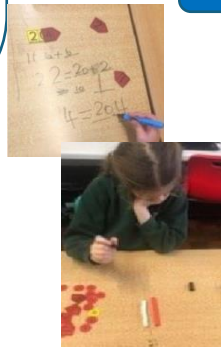
Maths is taught using the White Rose Scheme of Learning. Each Year group is taught the National Curriculum content and regularly assessed through the Ready to Progress Criteria to ensure that pupils have grasped the required content. Teachers will use thought provoking questions that fuel critical thinking and curiosity, fostering an engaging learning environment while adapting to the needs of all pupils in the classroom. Teachers will provide effective scaffolding techniques to empower all children while stretching the capabilities of the emerging mathematicians. Teachers will follow the White Rose sequencing and adapt the pace to suit the learners in the classroom through

Developing vocabulary

We ensure that key mathematical vocabulary is shared with children and that the meaning of words are explored. Mathematics displays in the classroom will have the topic vocabulary and examples of what this looks like in practice.

Maths Skills

At Hawkchurch Primary we use the NCETM progression of maths skills to ensure children are building up their knowledge and skills of the different mathematical concepts, These smaller steps are used for intervention if a pupil needs support or catch up to ensure they have the required skills to move to the next step. Some interventions happen outside of the maths lessons to give additional time and practice for children to achieve these goals. We also use Mathletics to support children's fluency and to give additional practice of different concepts. The progression of skills documents can be found on our website.



Early Years

In the Early Years we use the Maths mastery approach through the NCETM resources. These resources are designed for children to develop and demonstrate good number sense and a secure understanding of how to build firm mathematical foundations. Teachers will use appropriate manipulatives to ensure children can visualise and talk about their maths. The class teachers will also ensure children have opportunities to develop their mathematics skills through a maths rich continuous provision.

Developing problem solving and real life contexts.

The teachers encourage children to ask questions, supporting an open dialogue which embeds understanding and curiosity. We develop problem solving through open ended questions and encouraging children to use manipulatives to prove their learning. Children have opportunities to solve real life problems to make maths meaningful to them.

Retrieval practice and metacognition

In order for children to 'know more and do more' and retain the key performance indicators of each topic. Children have a range of retrieval activities and opportunities to revisit and recap previous learning. Children learn in different ways to support retention of information, this can be through practical activities, focused practical tasks, application of a previous skill and summative assessment opportunities.

Impact

Children leave each year with the knowledge and skills required to enable them to access and apply to subsequent learning. Children will be numerate and able to problem solve. Children will be able to make links to previous learning and understand the relevance of these connections. Children will understand the key concepts of each topic.