

Be more mathematical

Mathematics

Intent	Implementation	Impact
<p>At Seascope Primary School we provide a high quality mathematics education which exceeds the expectations of the national curriculum: Our pupils:</p> <ul style="list-style-type: none"> • become fluent in the fundamentals of mathematics and have the ability to recall and apply knowledge rapidly and accurately. • reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language • can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions. 	<p><i>SEE</i></p> <ul style="list-style-type: none"> • <i>Mathematics skills progression (End Points)</i> • <i>Vocabulary progression- mathematics</i> • <i>Mathematics overview (MTPs)</i> <p>Overview: CLIC, Learn Its and SAFE challenges are completed weekly to regularly assess children’s knowledge. All children are fully involved in the process and are able to identify their own next steps through discussion with their teacher. Teachers use the weekly challenges to identify learning gaps through an online system, which then feed into the following week’s teaching and learning. Children repeat, revisit and consolidate their arithmetic knowledge whilst learning new skills from the wider mathematics curriculum in daily lessons.</p> <p>Mathematics in the Early Years Children within EYFS develop a love of mathematics through practical activities and play linked to their own interests. Practitioners introduce and practise singing a range of number songs and rhymes to address basic skills such as counting.</p> <p>Mathematics in Key Stage 1 Children in Key Stage One start to develop an understanding of the four mathematical processes and the wider curriculum through the use of practical apparatus. They begin to notice how mathematics links to real-life and continue to use their knowledge within their play.</p> <p>Mathematics in Key Stage 2 Children in Key Stage Two apply knowledge, from their long term memory, to real-life maths problems using pictorial, abstract and mental mathematical approaches.</p>	<p>Due the rich curriculum we offer in mathematics we expect to see improvements across:</p> <ul style="list-style-type: none"> • The engagement of pupils in mathematics lessons • The profile of mathematics being raised in school • Increased knowledge and skills of children year on year • A broader experience of real-life mathematics • An increased participation in lessons and activities within mathematics • The weekly scores children achieve across their CLIC, Learn It and SAFE challenges

