

Mathematics at Laygate Community School

Intent

Mathematics is an essential subject which has its own unique place in the curriculum at Laygate Community School. It provides learners with powerful ways to describe, analyse and change the world. Children can experience a sense of awe and wonder as they solve a problem for the first time, discover a more elegant solution and make links between different areas of mathematics.

Mathematics is the means of looking at the patterns that make up our world and the intricate and beautiful ways in which they are constructed and realised. The language of mathematics is international. The subject transcends cultural boundaries and its importance is universally recognised. Mathematics helps us to understand and shape the world. Mathematics makes a significant contribution to modern society; the basic skills of mathematics are vital for the life opportunities of our children; mathematics develops the mind and those highly valued cognitive skills.

Laygate Community School- “*Learning Creates Success*”

Learners at Laygate Community Schools study mathematics to become functioning adults who are able to think conceptually about mathematics and recognise its importance within the context of the ‘wider world.’

Implementation

- To implement the current legal requirements of the Foundation Stage (FS) and the National Curriculum (NC), through the use of the Foundation Stage Curriculum Guidance and the Primary National Curriculum for Mathematics.
- To foster positive attitudes, fascination and excitement of discovery through the teaching and learning of mathematical concepts.
- Ensure our children develop a ‘can do’ attitude and perceive themselves as mathematicians.
- To broaden children’s knowledge and understanding of how mathematics is used in the wider world.
- For our children to use and understand mathematical language and recognise its importance as a language for communication and thinking.
- Each lesson is fully planned and prepared, ensuring full coverage.
- Each scheme of work is allocated to a programme of study within the curriculum, such as *properties of shape, multiplication and division, or statistics*. Each scheme within the strand has been planned to build on the previous schemes to ensure progression using a whole school approach of; ‘*Review, Teach, Practise, Apply*’.
- Each Maths lesson within our curriculum is prepared with differentiation to ensure that all learners can access the learning, build upon their existing knowledge and skills, and challenge their reasoning and problem-solving skills.
- Higher-ability children are frequently challenged to go beyond the aims of the National Curriculum if they are ready to do so.
- Having a fully planned and prepared curriculum for the majority of learners allows us more time to ensure that the specific needs of SEND children are met.

Impact

- The curriculum is planned so that children have ample opportunities to revisit different skills throughout any given year. Each strand is separated into different schemes that build on the previous ones to ensure skills progression
- The curriculum has also been planned to ensure skills progress throughout the year groups.
- We measure the impact through careful monitoring of pupil progress according to our assessment strategy.
- The impact of our Maths curriculum is also measured in SATs results in Year 2 and Year 6.

Please refer to the Mathematics Policy for more details.