



St Dennis Primary Academy – Maths

“Without mathematics, there’s nothing you can do. Everything around you is mathematics.



Everything around you is numbers.” – Shakuntala Devi

Children develop reflective skills through self-marking their learning and through discussion with other children and adults about strengths and areas to develop in their Maths. Self-assessment forms an important part of feedback so that children can see the steps they should take to bring about improvement and progress. Resilience and aspiration are key in the learning of mathematics. Children are encouraged to show courage and persistence in completing tasks which are deliberately placed outside of their comfort zone, challenging them to find solutions.

Children are given opportunities to solve problems in groups. Working together with different individuals, sometimes with contrasting views, is essential to finding a solution to some problems. Paired tasks require collaborative thinking. Peer assessment allows children to learn from one another and discuss how to develop a particular skill. Activities such as ‘Rally coach’ encourage children to coach one another to the solution through asking thought-provoking questions.



Children explore a range of mathematical investigations where they are challenged and made aware that there may be more than one solution, or on some occasions, no solutions. On the other hand, they are also aware that some problems require one correct answer.

Maths explores links to other cultures, and mathematical comparisons between cultures are made through other subjects. Roman Numerals, Viking runes and hieroglyphics are studied in key stage 2. Different counting systems, such as tallies, are taught and children are introduced to the importance of zero as a place holder.