

## Troon Community Primary & Nursery School

### Maths Curriculum Statement



**'Mathematics has beauty and romance. It's not a boring place to be, the mathematical world. It's an extraordinary place; it's worth spending time there.'**

**Marcus du Sautoy**

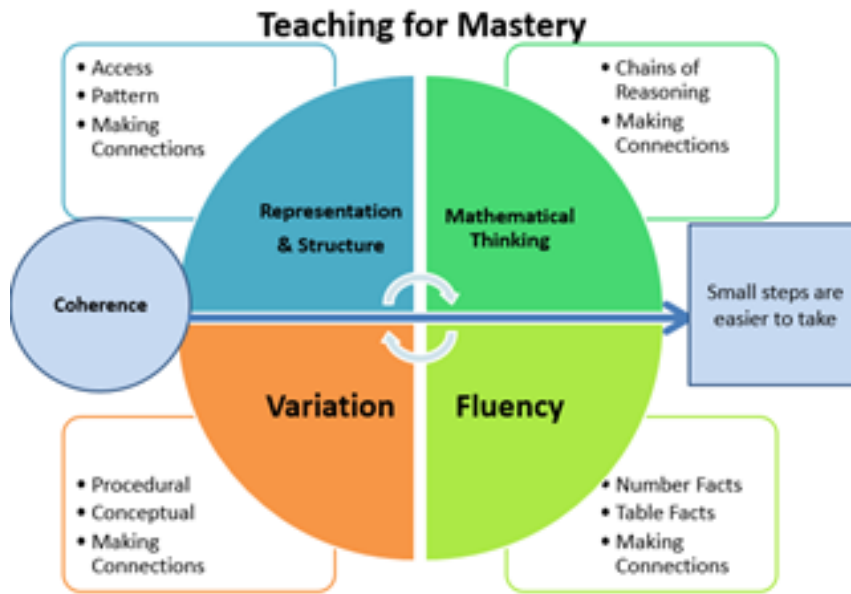
#### **Intent**

Troon School aims to instill a love of maths and provide pupils with a robust and coherent mathematical journey. Through the delivery of a high-quality curriculum we strive for all our children to be numerate, creative, independent, inquisitive, enquiring and confident. Our maths teaching places emphasis on all of our pupils becoming fluent in the key concepts underpinning number and developing their mathematical reasoning by spotting relationships, generalising and using accurate mathematical vocabulary to prove their thinking. Maths enables understanding of the world which is why we have made it an integral part of our curriculum.

At Troon School, we foster and promote positive attitudes towards mathematics. Our expectation is that the majority of pupils will move through the small steps at broadly the same pace. However, decisions about when to progress is based on the security of pupils' understanding and their readiness to progress to the next stage. Pupils who grasp concepts quickly are offered rich and sophisticated problems before moving onto new content. Those who are not sufficiently fluent with earlier material consolidate their understanding through varied, bespoke additional practice.

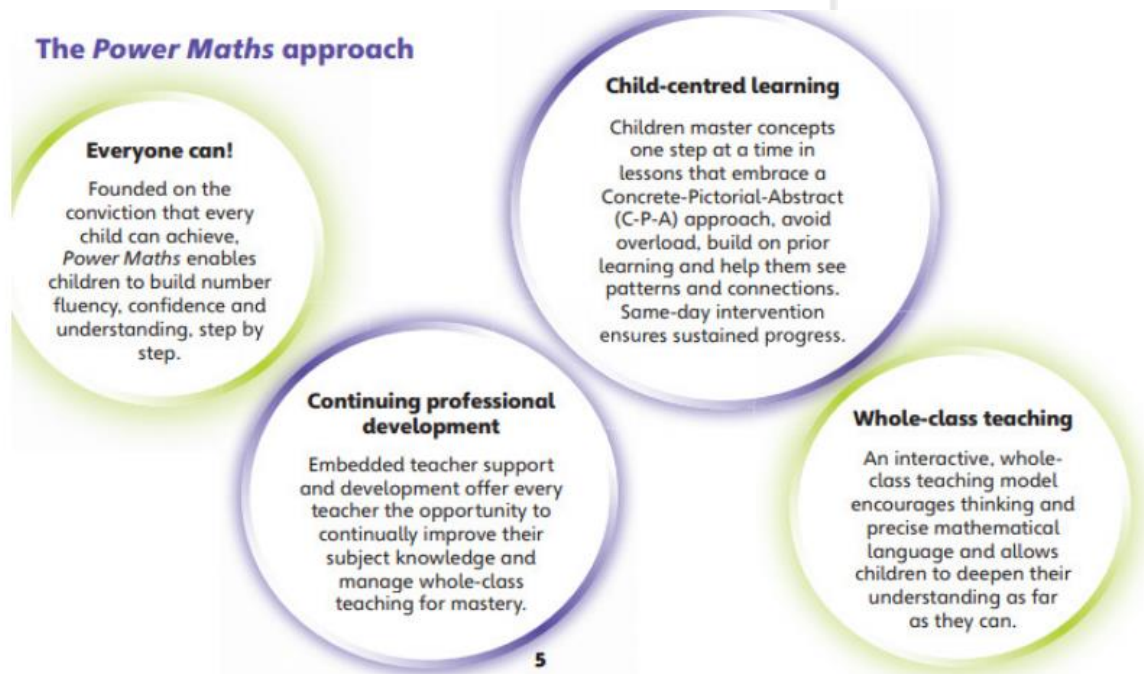
#### **Implementation**

Troon School is part of the CODE Maths Hub and has been part of the Maths mastery program for a number of years. The Maths lead has received training around the 5 principles of Mastery as developed by the the National Centre for the Excellence of Teaching in Maths (NCETM) which has informed staff training. Therefore helping to ensure that high-quality maths teaching is delivered at Troon, based on current research and best practice.



To support the delivery of these mastery principles teachers use Power Maths.

### The Power Maths approach



At Troon School we understand the importance of early experiences of maths, within our nursery and reception classes we provide creative and engaging opportunities to ignite a curiosity around maths. There is a significant emphasis on developing a strong grounding in number – understanding that this is a necessary building block for children to excel in the subject.

Troon School is part of the Mastering Number program (NCETM) with aims to secure firm foundations in the development of good number sense for all pupils from Reception to Year 2. The aim over time is that children will leave KS1 with fluency in calculation and a confidence and flexibility with number. The use of concrete and visual representations are used alongside rekenreks to help children develop confidence and fluency in number.

Within KS2 daily fluency sessions are timetables into the school day with a focus on multiplication number facts and 'fast arithmetic'. Numbots, Timestable Rock Stars and half termly Key Instant Recall Facts are used to engage children in practice at home along with competitions across the school and with partnership schools.

### **Impact**

Our aspiration is for every child to see themselves as a mathematician - demonstrating a confident attitude towards tackling problems both in and out of the classroom and understanding the importance of maths in the wider world. We aim for children to be prepared for their next stage of education as we acknowledge the importance of the subject for our pupils future education and employment.