

Church Hill School MATHEMATICS Curriculum Intent

Wellbeing

We believe fostering positive mental health and wellbeing is the foundation for all learning and growth. Our curriculum, including the 'hidden curriculum' of school culture, supports all pupils to develop a positive self-image and equips them with the knowledge and skills they need to look after their mental and physical health.

Respectful

Friendly

Determined

Kind

Courageous

Tolerant

Playful and Enquiry Led

Rigorous

Ambitious for all

Vocabulary and Experience Rich

Learn to Learn

Expert

Develop confident problem-solvers who are able to think logically and work systematically to solve mathematical problems.

Develop independent learners with inquisitive minds who have the confidence to take risks and challenge themselves both independently and in cooperation with others.

Become fluent and secure in the fundamentals of mathematics. Recall key facts rapidly and accurately, and apply this when problem solving. This will ensure that pupils do not experience cognitive overload when trying to solve more complex problems.

Build a deep understanding of mathematics by introducing abstract concepts in a concrete and tangible way (CPA Approach).

Is inclusive and meets the needs of all learners regardless of background or ability so that all are effectively challenged and supported to reach their full potential.

Pupils will leave secondary school ready and well prepared for the next stage of their education and future employment.

Use mathematical language accurately to describe the mathematics they are doing and prove, explain, justify and further explore and deepen their mathematical understanding.

Know the importance of maths in every-day life and about the work of significant mathematicians from a diverse range of backgrounds.

Believe in themselves as mathematicians, and have the confidence and independence to apply their knowledge and skills in the classroom and beyond.

Develop an appreciation, fascination and enthusiasm for maths resulting in a lifelong positive relationship with number.

Develop rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems, including open ended investigations.

Confidently apply their mathematical knowledge in other subjects.

We develop effective partnerships with parents and carers, and recognise their role as their child's primary educator. We acknowledge that parents and carers will have varied experiences and confidence levels, and put structured support in place so that all parents are able to support their child's mathematical learning and are positive about maths.