

Mathematics at The William Henry Smith School & Sixth Form



Intent

All students are exposed to rich, stimulating, and enjoyable mathematical experiences and we work to develop an appreciation of the value of mathematics in today's society.

All students will demonstrate a good understanding of mathematical concepts and be able to apply their learning in a range of contexts. They will acquire necessary skills to become competent, creative, and efficient users of Mathematics to enable them to become successful in their lives.

All students will be able to use the language of mathematics to develop their knowledge and they will be able to apply this knowledge to different contexts, such as problem solving.

Implementation

Objectives and concepts are taught in depth and students have a range of opportunities to apply their learning in different contexts. Different teaching approaches are used such as problem-solving activities, maths games, outside activities as well as traditional skills practise. New concepts are first taught through concrete representations, moving on to pictorial and then abstract representations. Manipulatives, such as place value counters, number lines, number squares, bar modelling and small apparatus to support their work, are used with all abilities and age groups to develop depth of understanding.

Key skills and knowledge are constantly revisited, and key terminology is regularly embedded in lessons and in the written work that our students produce.

We commission outside Maths tutors to broaden our offer to individual students.

Impact

Student progress is continuously monitored, and levels of attainment is be assessed at intervals throughout the year.

All students will have the opportunity to work towards external qualifications depending on their own individual pathway which may include Entry Level, Functional Skills, and GCSE Maths.



At our school we believe of creating an ethos that avoids individuals thinking they fall into a category of those who can and those who cannot do maths, everyone can do maths!



Maths is much more than just a school subject. In fact, it's an important skill for everyday life, as well as in most jobs. You're probably already using maths all the time, in all sorts of situations in work and everyday life. To improve your maths skills, you need to see it's value in your life!