

Maths

Mathematics develops students' ability to think critically, reason logically and solve problems confidently. At Mount Tamar School, we believe all students can succeed in mathematics through an ambitious, engaging and adaptive curriculum that responds to individual needs. We aim to develop resilient, confident learners who understand the relevance of mathematics in everyday life, further education and employment.

Intent

Our mathematics curriculum is designed to develop secure, long-term understanding and enable students to:

- Recall and apply mathematical knowledge fluently.
- Reason mathematically and communicate their thinking.
- Solve problems in a variety of contexts.
- Make connections between mathematical concepts.
- Develop resilience and independence when tackling challenges.

We are committed to raising standards of numeracy across the school, ensuring students gain the knowledge, confidence and qualifications needed for future success.

Implementation

Recognising that students arrive with diverse educational experiences and additional social, emotional and mental health needs, our curriculum is both ambitious and adaptive. We follow the White Rose Maths scheme, which structures learning into small, progressive steps while promoting deeper understanding through interconnected mathematical concepts. Learning is carefully sequenced, with regular retrieval practice, assessment and adaptation to meet individual needs.

At Key Stage 2, students develop foundations in number, calculation, fractions, ratio, geometry, statistics and introductory algebra. These are built upon at Key Stages 3 and 4 through the study of number, algebra, ratio and proportion, geometry, measure, statistics and probability. Regular assessment informs teaching and supports sustained progress for all learners.

Impact

Students develop the mathematical knowledge, confidence and problem-solving skills required for success in school and beyond. By the end of Key Stage 4, all students are entered for Edexcel Entry Level Mathematics and most for Edexcel GCSE Mathematics, ensuring every young person leaves with a recognised mathematics qualification.

Through our curriculum, students gain skills that support independence, resilience and informed decision-making, preparing them for further learning, employment and adult life.