

MATHEMATICS

CURRICULUM INTENT

“Mathematics is the abstract key which turns the lock of the physical universe”

John Polkingham

The study of mathematics is creative and highly inter-connected and has been developed over centuries, providing solutions, understanding and reasoning to some of history's most intriguing problems.

At Toot Hill School, we recognise that mathematics is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy. A high quality mathematics education therefore provides a foundation for understanding the world and a sense of enjoyment and curiosity about the subject.

We develop our students so they can reason deductively, analyse and interpret problems with confidence, and move fluently between numerical, algebraic, graphical and diagrammatic representations. Our students demonstrate ambition and a love of challenge, which is enhanced by our highly focused learning ethos created in our stimulating classroom environments.

We ensure our students at Toot Hill receive teaching to a depth of understanding, which allows them to unlock unseen and unpractised problems with confidence and resilience.