



Thames Valley School Maths Curriculum Statement

At Thames Valley School the Maths curriculum is designed with a clear purpose, ensuring that every pupil has a functional, or higher level of numeracy to support their journey to independence and success in adulthood.

Our Primary and Secondary departments work closely to ensure progression and development of skills across the school that are clearly mapped, building on prior knowledge and taking account of any gaps in learning or misconceptions in mathematical concepts.

We are a 'White Rose Maths' school, and this underpins teaching and progression across all year groups. Please click on the links below to explore more.

White Rose Maths Primary: <https://whiteroseeducation.com/resources/maths/primary>

[Primary school maths resources | White Rose Education](https://whiteroseeducation.com/resources/maths/primary)

Find the free maths schemes and all related teaching resources for your primary school pupils.
View our Maths resources from White Rose Maths.
whiteroseeducation.com

White Rose Maths Secondary:

<https://whiteroseeducation.com/resources/maths/secondary>

Developing a Mastery Approach to Maths

In following the National Curriculum, all pupils are supported to develop competency in mathematical concepts and applications and which focus on the following:

- The ability to become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- The ability to reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- The ability to solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

(DfE, Aims of the Maths National Curriculum)

How we Teach in Maths

Our approach to the teaching of Maths is pupil centred and we focus on creating an engaging and inclusive learning environment that sparks curiosity, encourages and seeks to achieve mastery.

To support all pupils in accessing these opportunities, we employ a range of methods, incorporating technology and mathematical resources to ensure concrete learning supports the development of conceptual understanding.

In Maths lessons, pupils will learn about number application, understanding how to see patterns and shapes in the world around them, as well as developing an understanding of data handling in an increasingly digital world and thus also supports their understanding in Computer Science.

Qualifications

At the end of Year 11, when our pupils leave Thames Valley School, they will have been supported to engage in and achieve recognised qualifications. We offer a range of qualifications that are tailored to meet the needs of the individual pupil to ensure progress from starting point. All qualification offers are discussed with parents and carers. Current qualifications include:

- Maths Entry Level
- Maths Functional Skills Level 1
- Maths Functional Skills Level 2
- Maths GCSE