



GENERAL BACKGROUND INFORMATION

Walton High opened in 1999 with 120 Year 8 students. Since then the school has grown, opened a second campus and now has nearly 2000 students on roll, including over 350 Post 16. The school has an excellent reputation and is consistently oversubscribed.

The Governors of Walton High founded Milton Keynes Education Trust in 2011 with the following aims:

Milton Keynes Education Trust Statement of Aims

The educational aims and objectives of Milton Keynes Education Trust (MKET) are based on our commitment to securing social justice through high quality education that promotes inclusion and embraces diversity.

The Trust aims to **enhance** and **enrich** the lives of children and young people by **enabling** them to make the most of outstanding learning opportunities within and beyond the curriculum; instilling an appreciation that there are **no limits** to what they can achieve and developing the attributes needed to successfully shape and respond to the future.

A clear secular moral framework will promote honesty, integrity, tolerance and respect as well as an appreciation of individual and collective responsibility.

In this way we will bring out **the very best** in our children and young people.

We will realise our aims and secure sustainable school improvement through high quality transformational leadership, professional development and collaborative partnerships.

The schools that are currently part of Milton Keynes Education Trust are:

- New Chapter Primary School, Coffee Hall, Milton Keynes
- Heronsgate School, Walnut Tree, Milton Keynes
- Kents Hill Infant School, Kents Hill, Milton Keynes

The creation of the multi-academy trust has enabled more cross phase working and the schools within the partnership have pooled resources to provide additional educational services to support children's learning, e.g. Educational Psychologist, Education Welfare Officer and Speech and Languages support.



MATHS AT WALTON HIGH

OUR VISION FOR EFFECTIVE LEARNING

We aim to develop students who are not only functionally numerate and confident in using their mathematical skills but who are also willing to engage, think and experiment with maths. In order to do that we want our teachers to develop students as learners by planning inspiring, engaging lessons which set challenging targets for students and support them in reaching those goals.



Our team

We are a team of 17 specialist maths teachers. Our group of enthusiastic professionals is led by a Director of Maths, assisted by a Leading Teacher and subject leaders for KS3, KS4 and KS5. We are also supported by specialist maths intervention teachers. We work collegiately - sharing ideas, resources and expertise with each other and with trainees, always with a sense of purpose – and good humour.

*I like maths
because it
works!
(YEAR 9 STUDENT)*



OUR MATHS CURRICULUM

Key Stage 3

- This course has been developed in-house, with assessment, ICT, and investigational work integral to the course.
- We teach in mixed ability groups initially which allow all students to make progress.
- Diagnostic testing in the autumn term of Year 7 helps us to supplement the information from primary schools and so immediately work with students to fill any gaps in knowledge or understanding
- Our course aims to minimise repetition and maximise the potential for students to develop conceptual understanding.
- This year we are piloting Mastery Maths on our Brooklands Campus with Year 7 with a view to rolling it out further over the coming years.



Key Stage 4

- At KS4 students are taught in groups set according to prior attainment and tier of study; when assessment informs us, students do move between sets if that is what best meets their needs.
- The course has scope for functional and investigative maths to secure students' deep understanding.



Key Stage 5

- Post 16 maths is very popular – over 40 students currently study maths.



- Students taking maths at A Level have the option of Core Maths, Maths or Further Maths.

I love maths because when so many things are left unanswered in life, maths provides stability and support.
(Yr 11 student)

The answer is only ever right or wrong. That makes it easy!
(Yr 7 student)

ENRICHMENT OPPORTUNITIES

The maths team makes a major contribution to Walton High's enriched curriculum.

Advanced Learning Days have been designed to explore how maths is employed in the design and construction of a range of buildings and businesses. Trips to country houses to see how architects have used maths to design classical homes; to theme parks to study how rides are constructed and RAF establishments and warehouses to understand the role of maths in logistics have all featured recently.



Session 9 after school support sessions are well attended by students who want additional support with their maths. We enter students, from all years, into local and national competitions and have



had major success in the UK Maths Challenge. We are in close liaison with our partner primary schools and are looking to forge even closer links in the future.



FACILITIES TO SUPPORT OUTSTANDING LEARNING

- We have a suite of 9 spacious and well-resourced maths classrooms each at Walnut Tree and Brooklands
- There is a networked PC in each room, with a class set of graphical calculators available. All Maths rooms have interactive smart boards.
- We also enjoy regular access to the ICT rooms, and use Autograph, Geogebra as well as a variety of cross-curricular software.
- At KS5 students are issued with textbooks for both core and option subjects and have access to MEI A level resources.
- All subject areas have administrative, reprographic and data support.

Maleka Khan
Director of Maths



Maths details – Jan 2018