



Our Motto is "The Pursuit of Excellence"

Wootton Academy Trust

Wootton Upper School and Kimberley 16 - 19 STEM College (in the nearby village of Stewartby) are operated by Wootton Academy Trust [WAT]. The two institutions are 3 miles apart and linked by a shuttle bus. WAT is highly ambitious and its vision is to provide outstanding education in all of its component parts.

Wootton Upper School was inspected in November 2017 and received a very positive report. The school was judged to be good in all areas. Wootton Upper School, with 900 pupils across Years 9 - 11, achieves results across the core subjects which are very high. Our GCSE English and GCSE Science results are well-above the national average. In Mathematics, results are above the national average and improving. Outcomes at KS4 in Graphics and Product Design are improving rapidly.

Kimberley 16-19 STEM College opened in September 2013 and has 650 students. Numbers will grow to near 700 in September 2022. The College was inspected in January 2017 and judged good in most areas and outstanding in personal development and well-being. For the last two years the College has been in the Sunday Times list of the top 20 Sixth Form Colleges in the UK based on the proportion of students getting 2As and 1B or better in facilitating subjects.

Engineering has been taught at Kimberley 16-19 STEM since it opened in 2013. Graphics has been taught there since 2014 and A Level Product Design was introduced in September 2021. Graphics and Engineering are well-established, popular and successful courses at Kimberley 16-19 STEM College.

A Level Mathematics and A Level Further Mathematics are the most popular courses at Kimberley 16-19 STEM College with in excess of one hundred students studying Mathematics in both Year 12 and in Year 13.

A Level Science courses are also very popular with usually four groups in Biology and Chemistry and three groups in Physics in each year group.

The fundamentals of Engineering are Mathematics and Physics and therefore, it is not surprising that many students leave Kimberley 16-19 STEM College to study engineering at university or to start engineering apprenticeships.

There are excellent facilities for engineering, design technology, science and mathematics at Kimberley 16 – 19 STEM College.

Department Information

Engineering

The Engineering facilities at Kimberley College include ICT suites equipped with Solid Works programmes as well as workshops for practical including heavy engineering.

Three members of staff teach on the BTEC Engineering course; our current engineering teachers also teach another subject, usually Mathematics or Science or Design Technology.

The modules offered in the BTEC qualification are:

- Unit 1 - Engineering Principles
- Unit 3 - Engineering Product Design and Manufacture
- Unit 2 - Delivery of Engineering Processes Safely as a Team
- Unit 10 - Computer Aided Design in Engineering

Design Technology

The Design Technology Department at Wootton Upper School consists of three modern workshops and a graphics studio together with storage cupboards and a departmental office. There are ICT rooms nearby which the department accesses.

There are four members of the Design Technology team; in addition to the Head of Department - who is a Graphics specialist, there are three other teachers and a technician. One of the two teachers is also a Graphics specialist. The other two teachers are Product Design specialists, who can teach Graphics.

A technician supports both the Design Technology and Engineering Department.

Currently, Graphics and Product Design are offered as Design Technology subjects to pupils. At Key Stage 4, current Year 10 and Year 11 pupils may select AQA GCSE Graphics [from the Art and Design Specification] and AQA GCSE Design Technology.

At Kimberley 16-19 STEM College our Sixth Formers are able to select AQA A Level Design Technology [Product Design] and /or the Level 3 BTEC Graphics National Diploma.

Mathematics

The main Mathematics accommodation at Wootton Upper School is housed in its own block with six classrooms; there are two further Mathematics classrooms located nearby; the Mathematics accommodation has recently been refurbished.

At Kimberley 16-19 STEM College there are three dedicated Mathematics classrooms.

There are twelve Mathematics teachers in the Maths Team. The Head of Mathematics & Engineering has Line Management responsibility for Engineering.

Science

The main science accommodation at Wootton Upper School consists of eight laboratories and a prep room; this has recently received a £1million refurbishment. At Kimberley16-19 STEM College there are four specialist laboratories and two open learning spaces along with a prep room.

There are three technicians and a laboratory assistant who work hard to service all the laboratories across the Trust.

WAT Science department consists of a dedicated team of seventeen subject specialists who teach one or more of Biology, Chemistry and Physics.

As part of our STEM provision there are a range of enrichment activities that take place at Wootton Upper School and also at Kimberley 16-19 STEM College including visits to CERN, competitions and much, much more.

Many Kimberley students go on to study Engineering at University [including those who have studied Maths, Further Maths and Physics at A level]; students also go on to engineering apprenticeships. Graphics is a very popular choice at university; the current KS5 Graphics specialist has built links with many higher education institutions.

If you would like any further information on our BTEC Programme Leader for Engineering please send an email to Recruitment@wootton.beds.sch.uk.

The individual appointed as BTEC Engineering Programme Leader will teach on the BTEC Engineering Course and assuming they are employed full time, will also teach another subject, ideally one of Mathematics, Science or Design Technology as their second subject.

We are happy to consider applications from full time or part time applicants.