



BEECHEN CLIFF

Mathematics Faculty at Beechen Cliff

The Mathematics Faculty Area

Beechen Cliff has a long history of achieving excellent results in Mathematics. Our pupils and students take pride in their Mathematics ability and large numbers choose to take the subject further. This is in no small part due to the high levels of enthusiasm and experience amongst the Mathematics team and to the excellent curriculum and resources available. The Mathematics Area is within the main school building and comprises six classrooms and a large office with a resource area alongside. The classrooms have IWBs and computers for staff and all staff have their own desk and computer within the Mathematics Office. The Maths Department is a hive of activity throughout the day.

Members of the Maths Team contribute significantly to the provision of extra support and guidance to pupils and students, and also to the significant extra-curricular programme the school has to offer.

The Maths Team

James Stewart-Cox	Trust Maths Lead
Anna Hedger	Head of Mathematics
Justin Henly	Deputy Head of Mathematicss, KS3 Coordinator
Jimmy Wall	Mathematics teacher and Pupil Premium Lead
Martin Richards	Mathematics teacher
Louis Westoby	Mathematics teacher
Tim Markall	Headteacher
Sophie Hearle	Mathematics teacher
Jane Down	Part Time Mathematics teacher
Alexandra Smart	Part Time Mathematics teacher

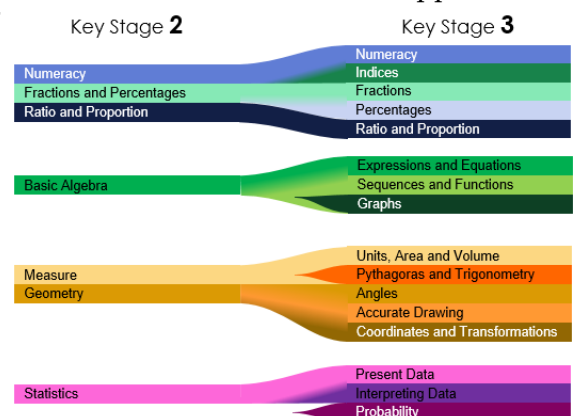
The Midsomer Norton Schools Partnership

The Mathematics team works closely with other schools within the Trust. This collaborative approach supports curriculum development and CPD for the benefit of all schools across the Trust. The Trust Mathematics Lead, James Stewart-Cox, is a regular visitor to the school.

The Maths Curriculum

KS3: 6 periods a fortnight.

Our Key Stage 3 curriculum intends to develop in students a deep appreciation of the patterns and relationships between numbers and to provide a firm foundation with the tools of algebra, geometry and statistics to enable students to solve problems in both abstract and real-world contexts.



The curriculum builds on prior knowledge by consolidating concepts and standardising techniques learnt at Key Stage 2, developing and enhancing understanding of all six areas of the secondary Maths curriculum and introducing new concepts such as Pythagoras and Trigonometry that provide essential foundations for Key Stage 4 Maths.

The curriculum also recognises the role that strong Mathematical understanding, problem solving and reasoning skills play in supporting success in all technical subjects at Key Stage 4.

KS4:

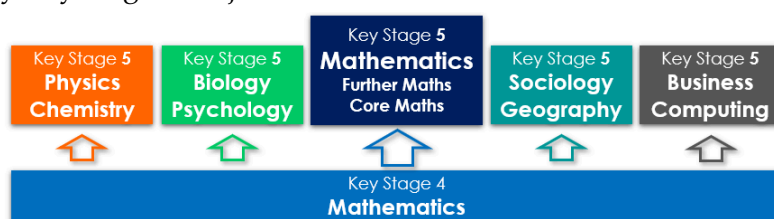
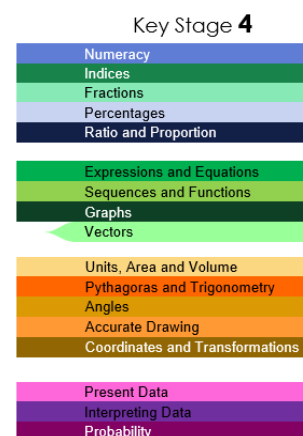
Year 10 Pupils have 7 periods per fortnight.

Year 11 Pupils have 8 periods per fortnight

Our Key Stage 4 curriculum intends to continue the development of all the areas of the Maths curriculum encountered in Key Stage 3 with an additional strand covering vectors.

In Key Stage 4 problem-solving and reasoning skills are further developed and refined up to, and in many cases, beyond the standard required in GCSE Maths examinations.

The curriculum recognises the pivotal role that Maths plays in facilitating success in many Key Stage 5 subjects.



The curriculum also recognises that in many cases GCSE Maths will be the final Maths qualification most students pursue and that the core numeracy, problem-solving, systematic deduction, critical reasoning and ability to interpret statistics acquired in Key Stage 4 are crucial to future employability and quality of life.

At GCSE we study the Edexcel specification.

KS5

At KS5 students follow the Edexcel A Level Maths and Further Maths Courses. A Level Maths classes have 8 periods per fortnight. Students studying Maths and Further Maths A Levels have 14 periods per fortnight.

Classes are split between two teachers. Both teachers will teach the Pure Mathematics aspects of the course and then one teacher will teach the Mechanics and the other the Statistics.

We encourage students who are interested to study Maths and Further Maths alongside two other A Levels. We teach the Maths A level course in the first year and the Further Maths A level course in the second year.

We also teach the L3 Core Maths course at KS5. The pupils have classes 4 periods per fortnight.

Enrichment Opportunities

Throughout all years we try to enrich the learning of all pupils beyond the core curriculum. Each year we enter over 100 pupils for the Junior Maths Challenge, along with approximately 60 pupils for the Intermediate Maths Challenge and 20 pupils for the Senior Maths Challenge. We regularly welcome representatives of both Bath Spa and Bath Universities into our classrooms, as well as visiting speakers at all age group levels.

In recent years we have had notable success in all levels of the Maths challenges, including team challenges, as well as students winning prizes in the National Cipher Challenge.

Examination Results

Mathematics attainment at the school is very strong. All our Examination Results are available on the school website:

<https://www.beechencliff.org.uk/about/examination-results/>

For information on Examination Results by Subject, please see below links:

GCSE

<https://docs.google.com/document/d/1CDGOtwy-LRU4J-Ss1tiiX3AZuX-2Yi-XkqcvCkadpgo/edit?usp=sharing>

A-Level

<https://docs.google.com/document/d/18WyFAy92-H2hq3uIv497yu6XfbrB-3yZjk5Scny8C0Y/edit?usp=sharing>