Maths Overview

INTENT:

Here in the Maths department, our aim is to stimulate the pupils' interest of Maths. Our intention is to allow students to engage in why we learn maths and how it is directly linked to financial literacy, engineering and scientific understanding and the development of technology whilst bringing maths alive. We give the students the ability to develop their fundamental skills and understanding of the key areas of the subject as well as engaging their interest through creative learning concepts as well as using various online supports including IXL and MyMaths and Powermaths in KS2 and My Maths and Collins connect in KS3.

IMPLEMENTATION:

At Blackminster Middle School, we implement the curriculum to encourage students to be independent learners so that they learn to question and discuss maths-based issues that may affect their own lives. In year 6 we follow the Powermaths Scheme of work which works in line with White Rose whilst in years 7 and 8, we follow the KS3 Collins Maths Frameworking Scheme of Work which links into the exam board of the local high schools. Our students are assessed throughout the term. Each half term, students are assessed on their practical skills as well as exam questions to enable our students experience a smooth transition into the local high schools where they will sit their AQA GCSE exams in year 11.

IMPACT:

The lessons are designed to be fun and engaging and can vary from making cubes/cuboids using big blocks through to using different media to cement the topic under study, thus having **i**mpact**.** We are dedicated to ensuring our students leave our school with a solid foundation of knowledge, and they are confident and secure in their learning. We provide opportunities to challenge themselves to achieve a higher level of understanding hence preparing them for high school and ultimately employment where numeracy provides the basis to so many jobs.

Maths is taught over the 3 years with 10 lessons per fortnight for KS2 and 7 lessons a fortnight for year KS3. An outline of our topics include:

	Autumn Term	Spring Term	Summer Term
Yr 6	Place Value Addition and Subtraction Multiplication and Division Fractions Position and Direction PIXL Testing	Decimals Percentages Algebra Converting Units Perimeter, Area and Volume Ratio PIXL Testing	Properties of Shapes Problem Solving Statistics Investigations SATs Testing
Yr 7	Using Numbers Sequences Perimeter, Area and Volume Assessment 1 Decimal Numbers Working with numbers Statistics Assessment 2	Algebra Fractions Angles Assessment 3 Coordinates and Graphs Percentages Probability Assessment 4	Symmetry Equations Interpreting Data Assessment 5 3D shapes Ratio Assessment 6
Yr 8	Working with numbers Geometry Assessment 1 Probability Percentages Sequences Assessment 2	Area of 2D and 3D shapes Graphs Simplifying Assessment 3 Interpreting data Algebra Congruence and Scaling Assessment 4	Fractions and decimals Proportion and Circles Assessment 5 Equations and formulae Comparing data Assessment 6