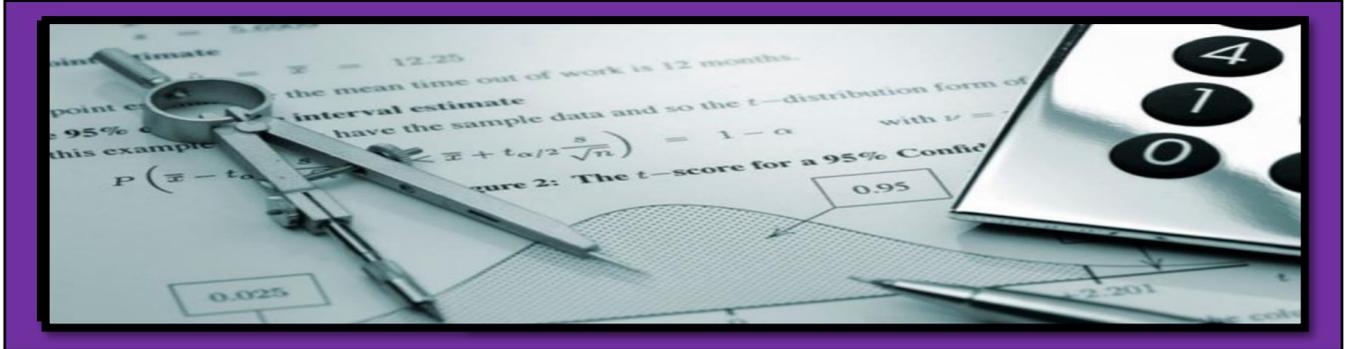




MATHS CURRICULUM



at Bronte Girls' Academy



OUR VISION

We aim to develop a curriculum that creates resilient learners and an aspirational culture for all.

We equip every pupil with the knowledge and skills, to perform complex operations, in a variety of contexts. A mastery approach is used to ensure that all pupils can access the curriculum, and as a result develop a deeper understanding of mathematical concepts.

Pupils can participate in a variety of enrichment activities to further enhance their problem-solving skills, and bring Mathematics alive. To promote the development of confident Mathematicians, pupils are encouraged to participate in regional and national competitions.

Our Team of enthusiastic Mathematicians are dedicated to inspiring learners, to prepare them for the future, so they are able to meet the challenges of the real world.

TOPICS COVERED

	Term 1	Term 2	Term 3
Year 7	<ul style="list-style-type: none"> Number Skills Analysing and displaying data 	<ul style="list-style-type: none"> Decimals and Measures Expressions, functions and formulae 	<ul style="list-style-type: none"> Fractions and percentages Probability Ratio and Proportion
Year 8	<ul style="list-style-type: none"> Number Area and Volume 	<ul style="list-style-type: none"> Statistics, Graphs and Charts Expressions and Equations 	<ul style="list-style-type: none"> Real-life graphs Decimals and ratio Lines and angles

Year 9

- Indices and Standard Form
- Expressions and Formulae

- Dealing with Data
- Multiplicative reasoning

- Constructions
- Sequences, Inequalities, equations and proportion
- Circles, Pythagoras and prisms

ASSESSMENT

Pupils are assessed with short topic tests after each Unit covered. In addition, three larger synoptic assessments, one per term, will take place.

OUTSIDE OF THE CLASSROOM

Homework will be set on a regular basis. Student will have the opportunity to contextualise mathematics within real world contexts.

Students will take part in competitions and enrichment programmes to develop their mathematical fluency, problem-solving and reasoning skills. Students will develop the skills needed to be successful in maths and become aware of the wide range of roles available in STEM positions using mathematics.

USEFUL RESOURCES



Corbettmaths



MathsWatch

dfm

drfrostmaths.com

Bitesize