# KS4 Curriculum Intent for Mathematics at Blessed Robert Sutton Catholic Voluntary Academy

	Overall Aim of Mathematics         The mathematics department is committed to ensure that our young learners are not only successful at Blessed Robert Sutton Catholic voluntary academy, but also thoroughly equipped to prosper in future academic opportunities and employment. Our curriculum is designed to promote:         • Confidence, resilience and fluency in mathematical knowledge         • Develop mathematical skills to solve contextual problems         • Develop reason and understanding to tackle problems in a methodological manner         • Opportunities to work independently and in collaboration with others         • An enthusiasm for mathematics and related careers
	<b>Mathematics</b> will teach <b>spiritual development</b> by supporting students to make sense of the world around them and explore connections between their numeracy skills and every-day life.
28	<b>Mathematics</b> will teach <b>social excellence</b> through a range of teaching strategies that allow pupils to work effectively as a community. Class discussions and opportunities to explore different approaches to a problem will develop pupils' abilities to work effectively as a team-communicating, respecting, listening and developing each other's ideas.
	Mathematics will teach <b>academic excellence</b> by developing the ability to think creatively, act independently, and with the resilience required to solve problems. Teaching is aimed at developing a strong conceptual understanding of the underpinning principles of mathematics. These principles are built upon through the consolidation of key topics, with constant extension to challenge all learners. We aim to build confidence and enjoyment of the subject for future learning, whilst providing constant challenge that will stretch even the sharpest minds. To ensure students are able to link their studies to the real world, topics are connected with additional material designed to broaden interest and demonstrate applied mathematics in real life.
Enrichment opportunities in this subject include:	
UKMT-KS3 and KS4	
<ul> <li>The study of 'Further Mathematics' at KS4 for selected students</li> </ul>	
<ul> <li>Developing an appreciation of some aspect of budgeting and finance</li> </ul>	

Code breaking

## Key Stage 4

At Blessed Robert Sutton, we deliver the OCR 9-1 Mathematics GCSE. There are two tiers of entry and all examinations take place at the end of year 11.

## Year 10 Curriculum



## Year 11 Curriculum



### Past papers and revision materials

### https://www.mathsgenie.co.uk/gcse.html

https://corbettmaths.com/2019/04/01/gcse-practice-papers/

https://corbettmaths.com/2017/09/14/legacy-gcse-a-g-practice-papers/

#### Assessments

A small assessment will take place after each unit of work. Formal summative assessments will take place termly in line with the whole school assessment policy. The final exam consists of three papers, each being 1 hour 30 minutes.

### Ways to help my child succeed- Useful websites

https://www.drfrostmaths.com/index.php

https://vle.mathswatch.co.uk/vle/

https://mathsmadeeasy.co.uk/gcse-maths-revision/

https://mathsgenie.co.uk/gcse.html