

## GCSE Mathematics

Subject Title	Mathematics
Exam board	Edexcel
Specification code	1MA1
Entry Level	Foundation and Higher tiers.
Exam details	3 Papers in total (all in Yr 11): Paper 1 – non-calculator Papers 2 & 3 – calculator Duration: 1 hr 30 min each paper
Setting arrangements	Two parallel sides of the year. Five or Six sets on each side. Sets 1-3 take Higher tier. Sets 4-6 take Foundation tier.
Time allowed	8 lessons per fortnight in Yr 10, 10 lessons per fortnight in Yr 11.
Textbooks and revision guides	<b>Textbook - Collins Edexcel</b> Foundation - ISBN: 9780008113827 Higher – ISBN: 9780008113810 <b>Revision guide – Collins All-in-one</b> Higher ISBN:9780008110369 Foundation ISBN:9780008112493
Homework information	40-60 minutes per week Consolidation exercises and revision material.
Links to websites and revision materials:	<a href="#">Edexcel specification</a> <a href="#">Sparx Maths</a> <a href="#">GCSE Maths Takeaway - MathedUp!</a>

## GCSE Mathematics – Year 10 2022-23

Term	Topics	Skills	Assessment
Yr 10 1	Developing algebra	Representing solutions of equations and inequalities Simultaneous equations	Chapter test.
2	Similarity	Congruence Similarity Enlargements Trigonometry	Chapter test
3	Geometry	Angles and Bearings Working with Circles Vectors	Standardised assessment for whole year.  Chapter test.
4	Proportions & proportional change	Ratios and fractions Percentages and interest Probability	Chapter test.
5	Delving into data	Collecting, representing and interpreting data	Chapter test.  Standardised assessment for whole year
6	Using number	Non-calculator methods Types of number and sequences	Chapter test.

## GCSE Mathematics – Foundation tier 2022-23 (will change next year)

Term	Topics	Skills	Assessment
Yr 11 1	Ratio and proportion Data Geometry	Interest and percentages Statistical diagrams Loci, area and volume	Standardised assessment for whole year.
2	Algebra Geometry	Sequences Real-life graphs Pythagoras and Trigonometry	Chapter test
3	Probability Number Algebra	Combined events Indices Simultaneous equations	Mock examination for whole year.
4	Algebra	Inequalities Quadratics	Second mock examination for whole year.

## GCSE Mathematics - Higher tier 2022-23 (will change next year)

Yr 11 1	Algebra Number Algebra Statistics	Inequalities Rational numbers Quadratics Histograms	Standardised assessment for whole year.
2	Algebra Geometry Probability	Further Quadratics Vectors Combined events	Chapter test
3	Geometry Number Algebra	Circle Theorems Further trigonometry Pre-calculus	Mock examination for whole year.
4	Algebra	Transformations of graphs Algebraic fractions	Second mock examination for whole year.