Maths

Programme of Study

Tier	Topic area	Weighting
Foundation	Number	22 - 28%
	Algebra	17 - 23%
	Ratio, Proportion and Rates of change	22 - 28%
	Geometry and Measures	12 - 18%
	Statistics & Probability	12 - 18%
Higher	Number	12 - 18%
	Algebra	27 - 33%
	Ratio, Proportion and Rates of change	17 - 23%
	Geometry and Measures	17 - 23%
	Statistics & Probability	12 - 18%

Overview of assessment

There will be three written papers, each contributing 33 % of the marks towards the final grade.

There are two tiers of entry:

	Paper 1 Non-calculator	Paper 2 Calculator	Paper 3 Calculator
Foundation (grades 1-5)	33.3% weighting 80 marks 1 hour and 30 minutes	33.3% weighting 80 marks 1 hour and 30 minutes	33.3% weighting 80 marks 1 hour and 30 minutes
Higher (grades 4-9)	33.3% weighting 80 marks 1 hour and 30 minutes	33.3% weighting 80 marks 1 hour and 30 minutes	33.3% weighting 80 marks 1 hour and 30 minutes

Time Line for the Year

Sep/Oct/ Nov	Dec	Jan	Feb	Mar	Apr	May/June
A revision List and a Paper for October	**Christmas PPE** 3 Papers	**PPE follow up**	**Half Term session**	**Easter PPE**	**Easter Holiday session**	**Spring bank Holiday session** **Maths** Paper 1 Paper 2 Paper 3

1. Ensure that homework is completed

Higher - Year 11 – Revision list

Test 1: Week beginning 20th October 2025 (Non-calculator)

Topic/Skill	Sparx Numbers	Revised it	Nailed it
Inequalities	U509 U759		
Product of primes	U739 U250		
Standard form	U330 U534 U264 U290		
Angles in Polygons	U427		
Quadratic Graphs	U989 U667		
Density	U910		
Recurring decimals to fractions	U689		
Probability trees	U558 U729		
Direct and inverse proportion	U407 U640 U138 U364		
Indices	U235 U694 U772		

You only get better at Maths by Doing Maths!

Type Sparx maths clips into Independent Learning section

SPARX

1. Ensure that homework is completed.

2. Use analysis grids to identify weaker areas.

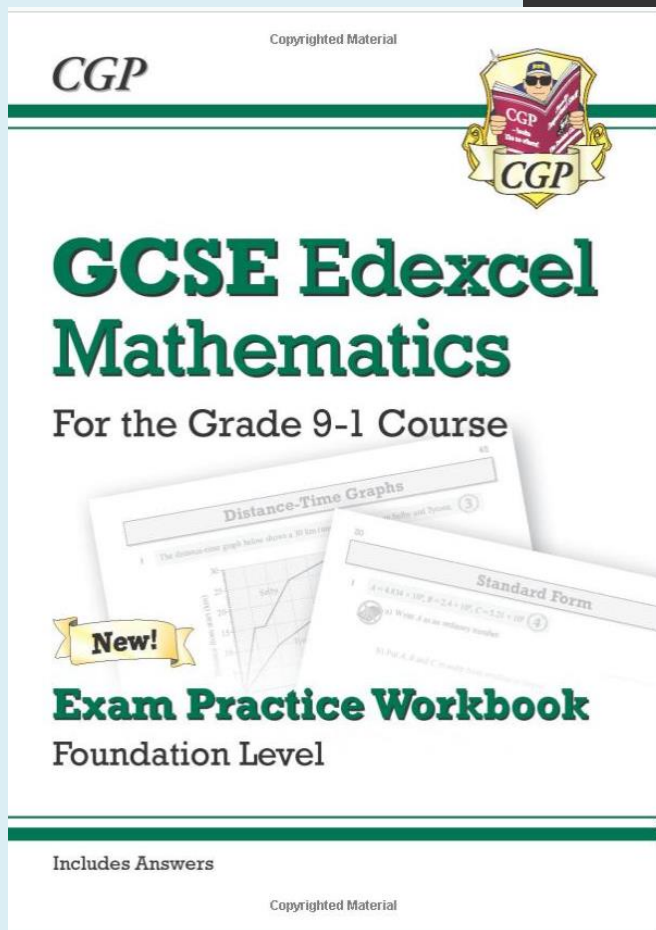| Question	Topic	Sparx Video Clip	Max Marks	Marks	RAG
1	Convert metric units of length	U388	1	1	✓
2	Simplify expressions	U105	1	1	✓
3	Reflection	U849	1	1	✓
4	Place value		1	1	✓
5	Convert fractions, decimals and percentages	U888	1	1	✓
6	Reading pictograms	U506	1	1	✓
7	Addition and subtraction	U417	3	3	✓
8	Reading bar charts	U363, U557	3	3	✓
9	Sequences using diagrams	U213	2	1	!
10	Adding directed numbers	U742	2		✓
11	Multiplication and subtraction	U127, U417	4	2	!
12	Addition and multiplication of fractions	U736, U475	4	2	!
13	Probability of an event	U408		2	✓
14	Substitution	U201	2	2	✓
15	Multiplying decimals	U293	3	3	✓
16	Calculations with speed	U151	4	0	✗
17	Frequency trees	U280	5	4	!
18	Proportion (recipes)	U721	2	1	!
19	Increase an amount by a percent	U773	3	3	✓
20	Adding and subtracting fractions	U736	3	3	✓
21	Draw an ordered stem and leaf diagram	U200	3	1	!
22	Volume of cylinders (in terms of pi)	U915	3	0	✗
23	Solving inequalities	U759	2	0	✗
24	Product of prime factors	U739	2	1	!
25	Sharing in a ratio and fractions of amounts	U577, U881	5	5	✓
26a	Converting to and from standard form	U330, U534	2	1	!
26b	Multiplying numbers in standard form	U264	2	1	!
27	Angles in regular polygons	U427	3	3	✓
28ab	Drawing a quadratic graph	U989	4	4	✓
28c	Solving graphically	U875	2	0	✗
29	Calculating density	U910	3	0	✗
30	Exact trig values	U627	1	0	✗
				0	
				0	
				0	
		Total		53	

Stage 1 Increase knowledge

Use Sparx Maths clips to identify videos which will help fill the gap in knowledge

Stage 2 Improve exam technique

Use Maths Genie topic specific exam questions

Stage 3 Apply to past papers

CGP

GCSE Edexcel Mathematics

For the Grade 9-1 Course

Distance-Time Graphs

Standard Form

New!

Exam Practice Workbook

Foundation Level

Includes Answers

GCSE Revision

Search for topics...

Grade 1

#	Videos	Exam Questions	Exam Questions Booklet	Solutions
1.1	Addition and Subtraction	Exam Questions	Addition and Subtraction	Solutions
1.2	Multiplication and Division	Exam Questions	Multiplication and Division	Solutions
1.3	Time	Exam Questions	Time	Solutions
1.4	Metric Conversions	Exam Questions	Metric Conversions	Solutions

Maths Genie   GCSE   A Level Maths   A Level Papers   KS2 Revision

#	Videos	Exam Questions	Exam Questions Booklet	Solutions
1.7	Rounding	Exam Questions	Rounding	Solutions
1.8	Negative Numbers	Exam Questions	Negative Numbers	Solutions
1.9	Powers and Roots	Exam Questions	Powers and Roots	Solutions
1.10	BIDMAS	Exam Questions	The Order of Operations	Solutions
1.11	Factors and Multiples	Exam Questions	Factors, Multiples and Primes	Solutions
1.12	Coordinates	Exam Questions	Coordinates	Solutions
1.13	Pictograms	Exam Questions	Pictograms	Solutions

Grade 2

#	Videos	Exam Questions	Exam Questions Booklet	Solutions
2.1	Calculation Problems	Exam Questions	Calculation Problems	Solutions
2.2	Using a Calculator	Exam Questions	Using a Calculator	Solutions
2.3	Systematic Listing	Exam Questions	Systematic Listing	Solutions
2.4	Fractions of an Amount	Exam Questions	Fractions of an Amount	Solutions
2.5	Fractions, Decimals and Percentages	Exam Questions	Fractions, Decimals and Percentages	Solutions
2.6	Simplifying Algebra	Exam Questions	Collecting Like Terms	Solutions
2.7	Writing an Expression	Exam Questions	Writing an Expression	Solutions
2.8	Function Machines	Exam Questions	Function Machines	Solutions
2.9	Solving One Step Equations	Exam Questions	Solving One Step Equations	Solutions
2.10	Angles	Exam Questions	Angles	Solutions
2.11	Area and Perimeter	Exam Questions	Area and Perimeter	Solutions
2.12	Probability	Exam Questions	Probability	Solutions
2.13	Frequency Polygons	Exam Questions	Frequency Polygons	Solutions
2.14	Averages	Exam Questions	Mean, Median, Mode and Range	Solutions
2.15	Bar Charts	Exam Questions	Bar Charts	Solutions
2.16	Stem and Leaf	Exam Questions	Stem and Leaf	Solutions

1. Ensure that homework is completed.

2. Use analysis grids to identify weaker areas.

3. Use practise papers with mark schemes

GCSE Exam Papers (Edexcel)

Edexcel past papers with mark schemes and model answers.
Pearson Education accepts no responsibility whatsoever for the accuracy or method of working in the answers given.

OCR Exam Papers
AQA Exam Papers (External Link)
Grade Boundaries
For GCSE Maths I am using the Casio Scientific Calculator: Casio Scientific Calculator

New 1-9 Specification GCSE Exam Papers

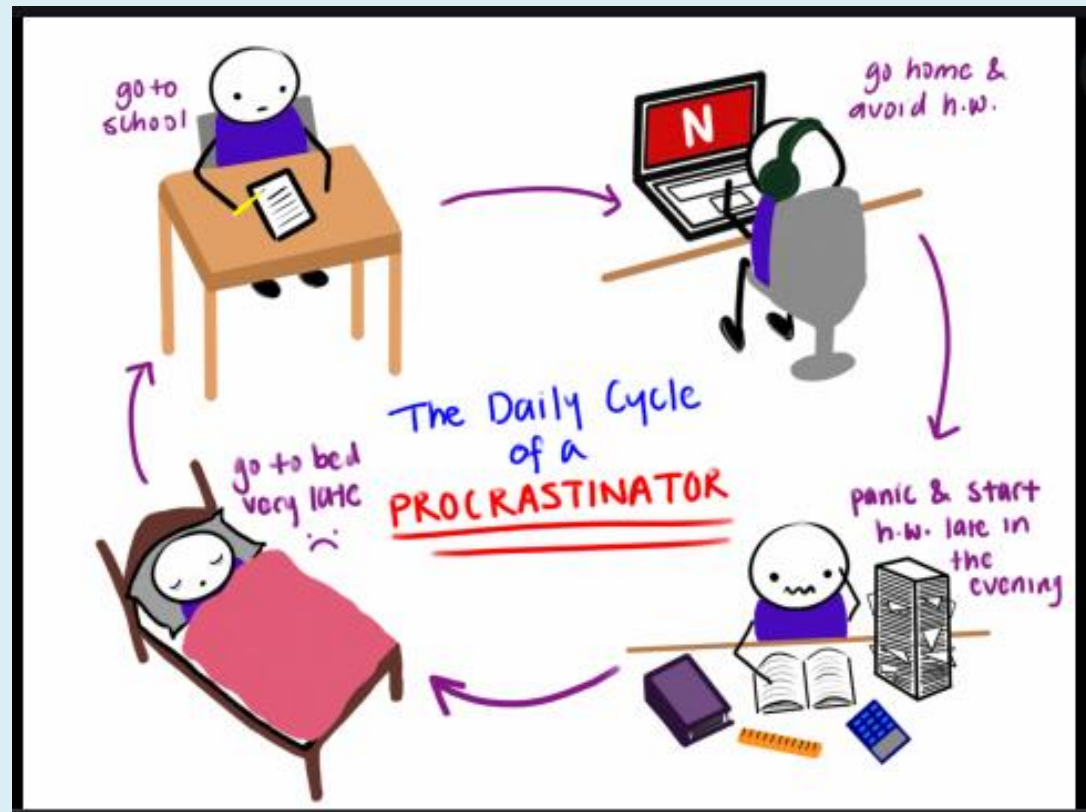| Paper	Mark Scheme	Solutions	Video Solutions
November 2018 Foundation Paper 1	Mark Scheme	Solutions	Video
November 2018 Foundation Paper 2	Mark Scheme	Solutions	Video
November 2018 Foundation Paper 3	Mark Scheme	Solutions	Video
November 2018 Higher Paper 1	Mark Scheme	Solutions	Video
November 2018 Higher Paper 2	Mark Scheme	Solutions	Video
November 2018 Higher Paper 3	Mark Scheme	Solutions	Video
June 2018 Foundation Paper 1	Mark Scheme	Solutions	Video
June 2018 Foundation Paper 2	Mark Scheme	Solutions	Video
June 2018 Foundation Paper 3	Mark Scheme	Solutions	Video
June 2018 Higher Paper 1	Mark Scheme	Solutions	Video
June 2018 Higher Paper 2	Mark Scheme	Solutions	Video
June 2018 Higher Paper 3	Mark Scheme	Solutions	Video
November 2017 Foundation Paper 1	Mark Scheme	Solutions	Video
November 2017 Foundation Paper 2	Mark Scheme	Solutions	Video
November 2017 Foundation Paper 3	Mark Scheme	Solutions	Video
November 2017 Higher Paper 1	Mark Scheme	Solutions	Video
November 2017 Higher Paper 2	Mark Scheme	Solutions	Video
November 2017 Higher Paper 3	Mark Scheme	Solutions	Video

1. Ensure that homework is completed.

2. Use analysis grids to identify weaker areas.

3. Use practice papers with mark schemes.

4. Attend all holiday workshops that you are invited to.

4. Attend Workshops

Targets areas of weakness

Guided by maths specialists

75% of students consider themselves to be procrastinators. Research suggests low levels of confidence delays the start of work.

1. Ensure that homework is completed

2. Use analysis grids to identify weaker areas

3. Use practice papers with mark schemes

4. Attend all holiday workshops that you are invited to.

5. Encourage good ATL and ensure that they come to School every day.

ATL 1 pupils P8 was +1.4

ATL 2 pupils P8 was +0.4

ATL 3 pupils P8 was -0.5

ATL 4 pupils P8 was -1.4

Pupils not attending P8 was -1.9