

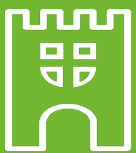


GCSE Maths

MATHEMATICS

is not about
numbers, equations,
computations, or
algorithms:
it is about
UNDERSTANDING.

William Paul Thurston



Key points

- GCSE curriculum
- Class work and homework
- Great habits to encourage now



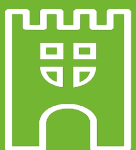
Exam board - AQA

THREE written exams

Paper 1 Non calculator (80 marks) $1\frac{1}{2}$ hours

Paper 2 Calculator (80 marks) $1\frac{1}{2}$ hours

Paper 3 Calculator (80 marks) $1\frac{1}{2}$ hours



There are 2 tiers of entry, Higher or Foundation.
Each tier covers a different range of grades:

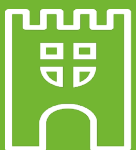
Higher	9	8	7	6	5	4	3		
Foundation					5	4	3	2	1

Sets 1-4 will study the Higher in Year 10

Set 5/6 will study the Foundation tier.

End of year 10: tier of entry reviewed

Yr 11 mock exams: further tier review



The Castle School

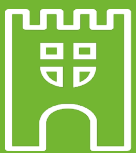
ACHIEVE | BELONG | PARTICIPATE

What to expect in Year 10 and 11



Classwork

- Classwork includes introduction to new areas of maths as well as regular review of past topics
- Lessons will cover
 - Recall & Review starter
 - Fluency in a mathematical topic
 - Problem-solving: how to break down a problem
 - Reasoning: how to explain your method & justify your answer



What you will study

Topic Area	Foundation Tier (%)	Higher Tier (%)
Number	25	15
Algebra	20	30
Ratio	25	20
Geometry	15	20
Probability and statistics (combined)	15	15

In all areas we will initially work on fluency within a topic before developing skills in problem-solving & reasoning, and understanding links between different areas of maths and other curriculum subjects.



Homework

- Homework will be on 'Classcharts'. It will include:
 - Review of area covered in the past in preparation for the next unit of work
 - Practice of topics currently being studied in class
 - Actions to be taken on feedback given by your teacher



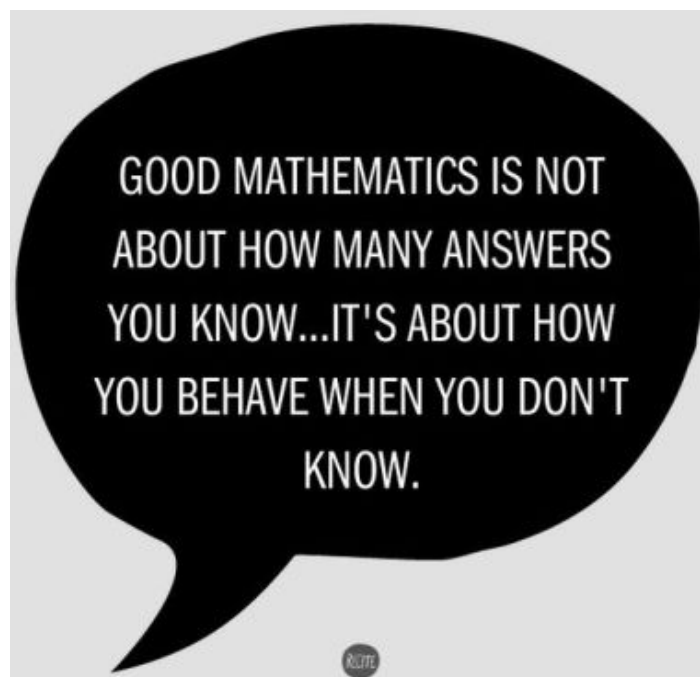
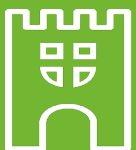
Assessments

YEAR 10

- Pre-tests to check for gaps
- End of unit tests to assess core skills with feedback provided
- Exam-style assessments w/c 16 October and 15 April
- Exam feedback PLC linked to www.corbettmaths.com
- Expectation to action weak areas

YEAR 11

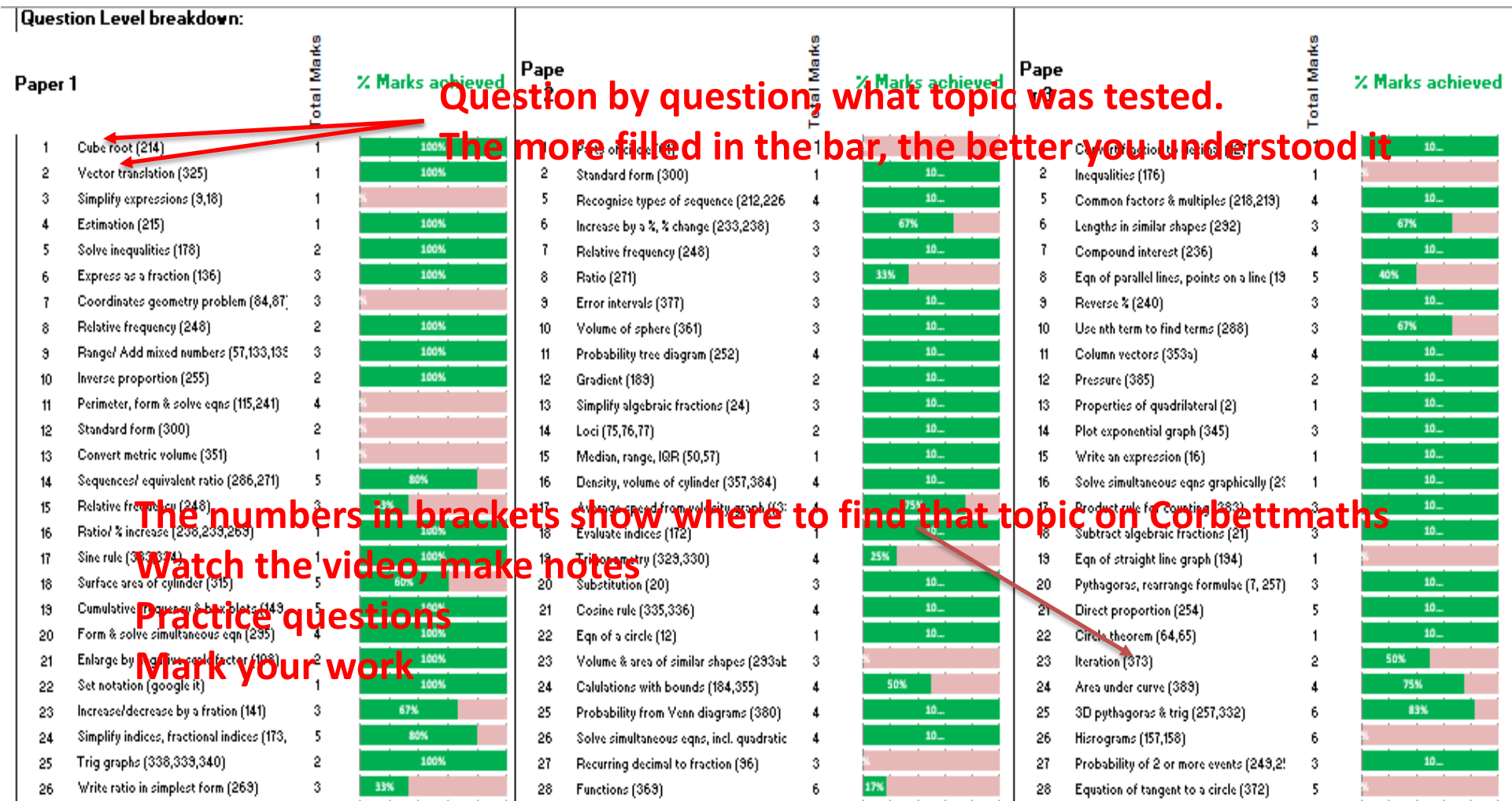
- 2 Mock exams November and March
- Exam feedback PLC linked to www.corbettmaths.com
- Expectation to action weak areas



Taking action on feedback given is the best way to improve your maths.



Using an exam feedback PLC



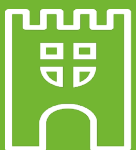
Question by question, what topic was tested.
The more filled in the bar, the better you understood it

The numbers in brackets show where to find that topic on Corbettmaths
Watch the video, make notes
Practice questions
Mark your work



Great habits to encourage now

- Practise revision techniques with homework – watch video, make notes, do questions
- Bring a scientific calculator & maths equipment to every lesson
- Work through weak topics on www.corbettmaths.com (identified from feedback sheets or online quizzes)
- Revision using online resources and/or workbooks
- Prepare for all assessments, encourage a revision timetable



www.corbettmaths.com

Corbettmaths
Videos, worksheets, 5-a-day and much more

Home Welcome Videos and Worksheets 5-a-day More Resources About Revision Cards

Type text to search here...

Videos and Worksheets

Videos and Worksheets

[Click here for answers](#)

[Common marking codes for teachers](#) [Marking codes](#)

2D shapes: names [Video 1](#) [Practice Questions](#) [Textbook Exercise](#)

2D shapes: quadrilaterals [Video 2](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: names [Video 3](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: nets [Video 4](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: vertices, edges, faces [Video 5](#) [Practice Questions](#) [Textbook Exercise](#)

Addition: column method [Video 6](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: changing the subject [Video 7](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: changing the subject advanced [Video 8](#) [Practice Questions](#) [Textbook Exercise](#)

 [RSS feed](#)

Corbettmaths Revision Cards

Available for GCSE Higher or Foundation Tier



Calculator





<https://www.drfrstmths.com/>



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Points this Year: 3431 Global Rank: 23139 ?

Key Skills: 0/367



Key Skills are finegrained question types where you can practise randomly generated questions with accompanying short worked example videos.


Go

 Latest Homework

✓ Set by Mr George

Know the place value of digits in whole numbers. Order integers. Multiply any integer by a single-di...

Review All

 Trophies: 21/37


You earn trophies for achievements related to answering questions.

View

Practise by Topic

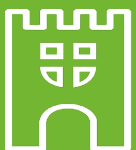
Practise past paper questions by topic and difficulty.

Go

 Videos: 0/270

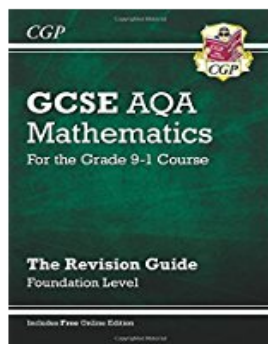
Watch teaching videos before you attempt new topics.

View

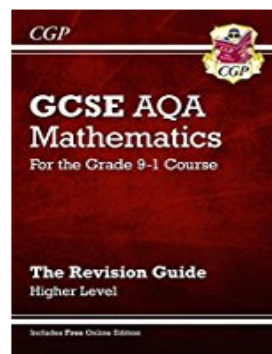
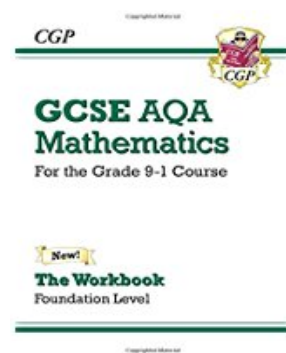


AVAILABLE FROM STUDENT RECEPTION

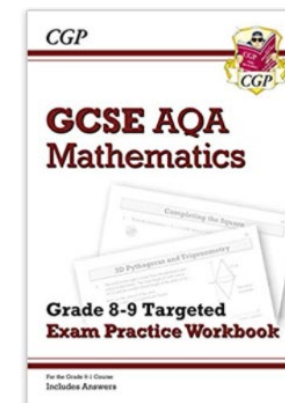
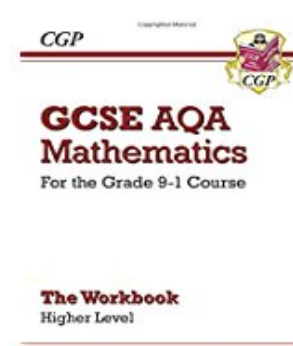
Revision Guides & workbook: £7 for both



Foundation

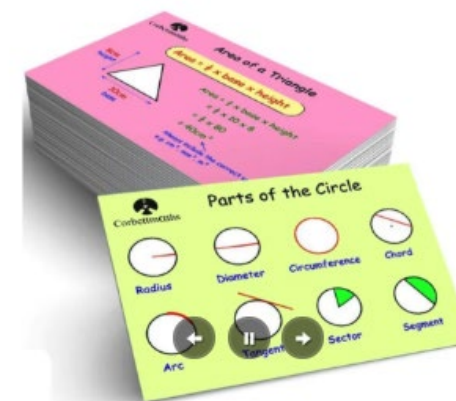


Higher



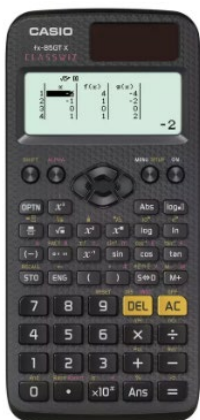
Available for Higher or Foundation Tier

Corbettmaths Revision cards





AVAILABLE FROM STUDENT RECEPTION



Casio Scientific Calculator: £9.50

Pencil case with
maths equipment: £2





Why study maths?

MATHS Matters....

The graphic displays several career paths in octagonal frames:

- media
- food technology
- transport
- statistics
- engineering
- IT
- graphics
- computer games
- environment
- medicine
- teaching
- finance

IT ALL ADDS UP TO A GREAT CAREER find out more at <http://www.mathscareers.org.uk>