

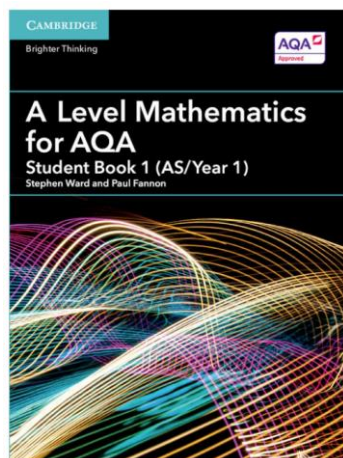


**Wigston College**

**A-Level Mathematics**  
**Transition Pack**

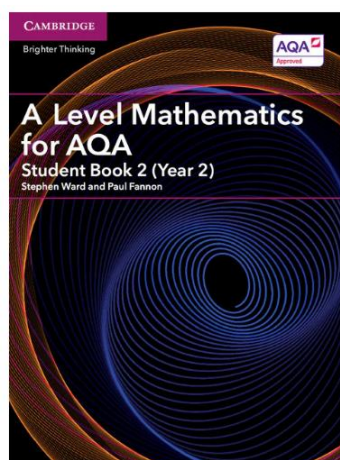
# Textbook and Revision Guide

## Recommendations:



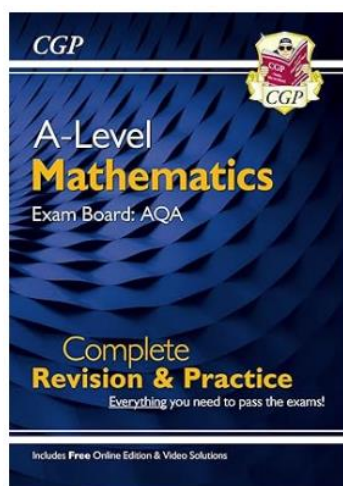
**A Level Mathematics for AQA  
Student Book 1 (AS/Year 1) (AS/A  
Level Mathematics for  
AQA) Paperback – Student Edition, 1  
Jun. 2017**

by [Paul Fannon](#) (Author), [Stephen Ward](#) (Editor)



**A Level Mathematics for AQA  
Student Book 2 (Year 2) (AS/A Level  
Mathematics for AQA) Paperback –  
Student Edition, 19 Oct. 2017**

by [Stephen Ward](#) (Author), [Paul Fannon](#) (Author)



**A-Level Maths AQA Complete  
Revision & Practice (with Online  
Edition & Video Solutions): for the  
2025 and 2026 exams (CGP AQA A-  
Level Maths) Paperback – 27 Jan.  
2022**

by [CGP Books](#) (Author, Editor)

# **Mathematical Reading List:**

The following books would provide a worthwhile and not too heavy background in mathematical thinking.

They are not textbooks but background reading.

- Why Do Buses Come in Threes?: The Hidden Maths of Everyday Life
- Fermat's Last Theorem: The story of a riddle that confounded the world's greatest mind for 358
- Alex's Adventures in Numberland
- The Tiger That Isn't: Seeing Through a World of Numbers
- Mathematician's Delight (Dover Science Books)

# **Mathematical Watching List:**

- Hidden Figures
- The Story of One
- The Imitation Game
- A Beautiful Mind
- $X + Y$

# Calculator Guide

Your A-level calculator must be able to these essential functions:

- Statistical calculations using single-variable or paired-variable data
- Normal and binomial probability distribution calculations
- Trigonometric functions
- Vectors and matrices
- Integrations
- Complex number calculations (Further Maths only)

An advance scientific calculator is the minimum requirement for A-level maths.

Graphing calculators offer some clear advantages over scientific calculators such as being able to produce graphs however they do cost a lot more.



Casio fx-991CW Advanced Scientific Calculator (UK Version)



Casio fx-CG100 Colour Graphing Calculator (UK Version)

To help support you during your transition to A-level Maths your teachers have produced a list of topics you need to ensure you are confident with prior to beginning the course.

You will be tested on the topics, so it is crucial that you revise these key areas. We expect a potential A-level student to score at least 80%. If this is not achieved, you will be required to attend after-school catch up sessions to ensure that you do not fall behind.

Next to each topic you will find a corresponding video number on Corbettmaths. We suggest you watch the videos and then complete the 'Textbook Exercise' for each topic.

| <b>Topic</b>             | <b>Corbettmaths video numbers</b> |
|--------------------------|-----------------------------------|
| Changing the subject     | 7-8                               |
| Completing the square    | 10                                |
| Expanding brackets       | 14-15                             |
| Indices                  | 17, 172-175                       |
| Algebraic fractions      | 21-24                             |
| Solving linear equations | 110-113                           |
| Factorising              | 117-120                           |
| Linear graphs            | 185-198                           |
| Quadratic graphs         | 264-265                           |
| Quadratic equations      | 266-267                           |
| Simultaneous equations   | 295-298                           |
| Surds                    | 305-308                           |
| Trigonometry             | 329 -340                          |

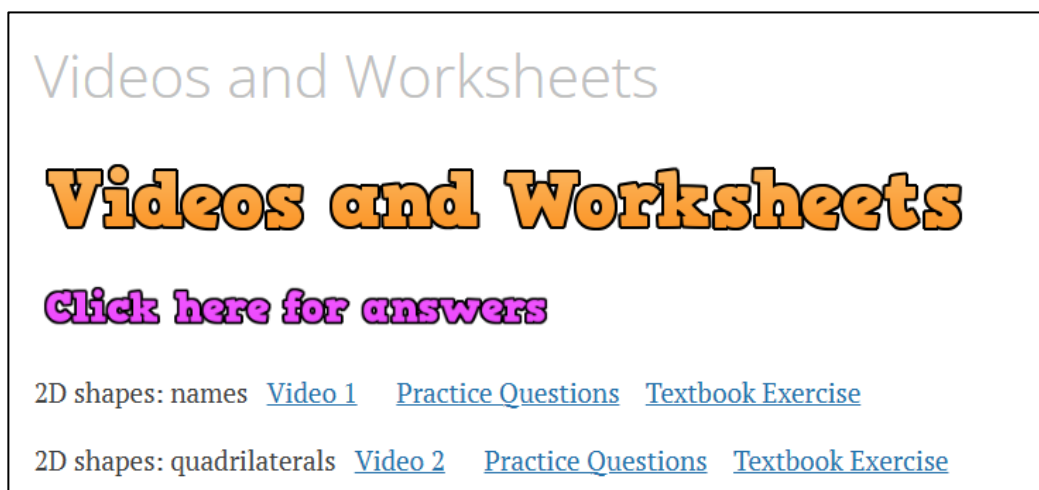
# How to use Corbettmaths:

Follow the steps below to get the most of Corbettmaths.

1. Access [www.corbettmaths.co.uk](http://www.corbettmaths.co.uk)



2. Click on 'videos'



3. Find the video you need and then watch it
4. Once you have watched the video, return to the 'Videos' page and complete the textbook exercise