Exam Success for all A-level Mathematics courses

QueenElizabeth's School QE Mathematics

Post-16 Mathematics Options

A-level Further Mathematics

A-level Mathematics

Professional Maths
AS Maths + Core Maths
(Maths Enhancement)

Core Maths
(Enrichment Course)

QueenElizabeth's School QE Mathematics

Post-16 Further Mathematics

FM Examination – Edexcel Board

- **End of Yr12**
- Internal Yr13 entrance examination (End of year Assessment – in-line with the external AS examination)
  - Paper 1 – FM Core (120min)
  - Paper 2 – Applied – Decision and Further Stats (75min)

- **End of Yr13**
- External Summer examinations
  - Paper 1 – FM Core (120min)
  - Paper 2 – FM Core (120min)
  - Paper 3 – Applied – Decision and Further Stats (120min)

Post-16 Mathematics

Examination – Edexcel Board

- **End of Yr12**
- Internal Yr13 entrance examination (End of year Assessment – in-line with the external AS examination)
  - Paper 1 – Pure (120min)
  - Paper 2 – Applied (75min)

- **End of Yr13**
- External Summer examinations
  - Paper 1 – Pure (120min)
  - Paper 2 – Pure (120min)
  - Paper 3 – Applied (120min)

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Post-16 Professional Mathematics

Examinations

End of Yr12

- Internal Yr13 entrance examination (End of year Assessment)
  - *Paper 1 – AS Maths Pure (90 min)*
  - *Paper 2 – AS Maths Applied (60min)*
- Students have the option to sit the external Core Maths examination at the end of Year 12 (otherwise they will complete an internal assessment of the same length).
  - *OCR CORE Maths Paper 1 – Quantitative Reasoning (120min)*
  - *OCR CORE Maths Paper 2 – Critical Thinking (120min)*

End of Yr13

- External Summer examinations
  - *Edexcel AS Maths Paper 1 – Pure (120min)*
  - *Edexcel AS Maths Paper 2 – Applied (75min)*
- External CORE Maths examination (unless completed in Year 12)
  - *OCR CORE Maths Paper 1 – Quantitative Reasoning (120min)*
  - *OCR CORE Maths Paper 2 – Critical Thinking (120min)*

Post-16 CORE Maths *(Enrichment)*

Examinations

- **End of Yr12**
- Students have the option to enter the External examination and complete the course at the end of Year 12 (otherwise they will complete an internal assessment of the same length).
    - OCR CORE Maths Paper 1 – Quantitative Reasoning (120min)
    - OCR CORE Maths Paper 2 – Critical Thinking (120min)

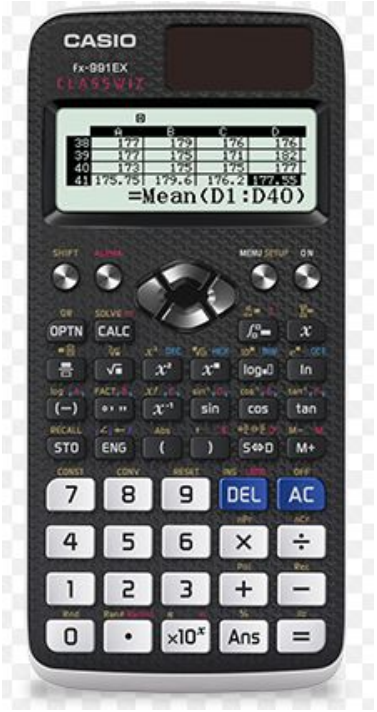
- **End of Yr13**
- If students have not sat the external examination at the end of Year 12, they will sit the external examination at the end of Year 13.
    - OCR CORE Maths Paper 1 – Quantitative Reasoning (120min)
    - OCR CORE Maths Paper 2 – Critical Thinking (120min)

A-level Calculators

Having the correct equipment is a key component to success. For the A level Maths and Further Maths courses a new course specific calculator will be needed. CG-50 highly recommended. (Not needed for CORE maths)

Casio fx-83GT

(Does NOT have the required functions for new A-level)



Casio fx-991EX Classwiz

£23-30

(min. required)

Casio fx-CG50 or CG20

£72.50-120

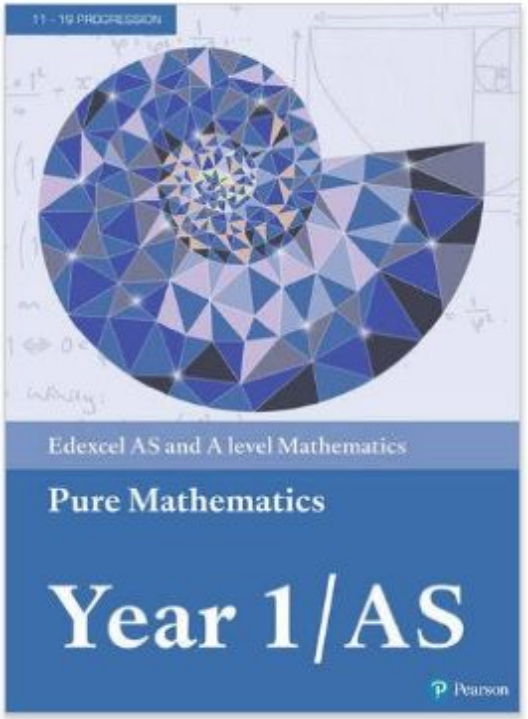
(recommended)

Queen Elizabeth's School QE Mathematics

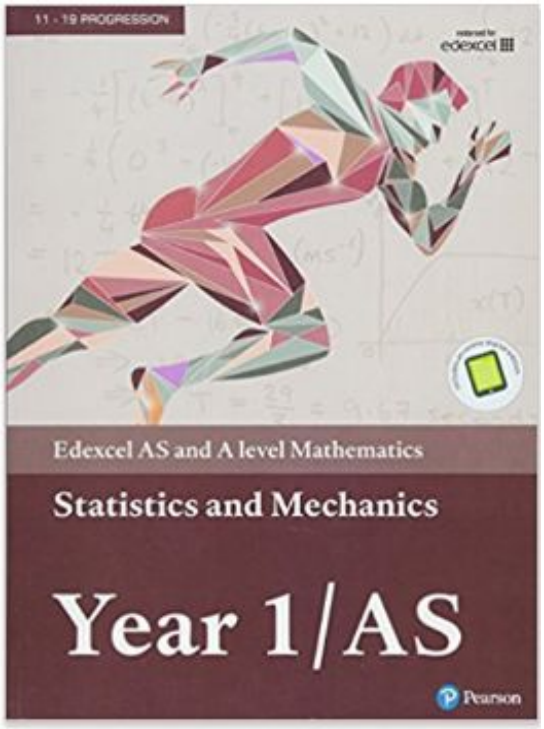
A-level books

Having the course books will be essential for independent and assigned work. Limited number available to be loaned from the library.

Purchasing course books, recommended, can be done through on-line sites (like amazon).



ISBN-13: 978-1292183398
ISBN-10: 129218339X

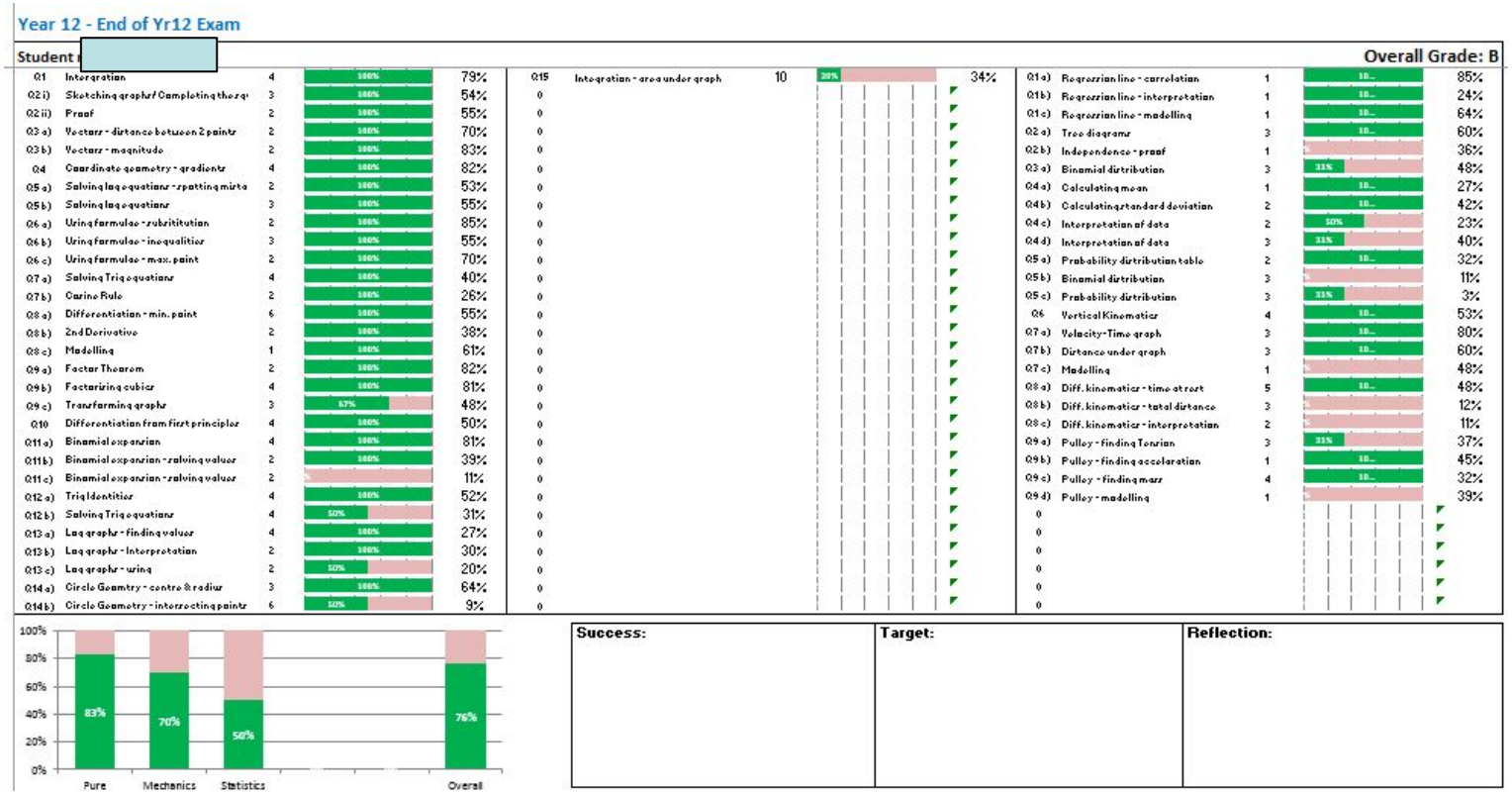


ISBN-13: 978-1292232539
ISBN-10: 1292232536

Post-16 Mathematics

Diagnosis *– Identifying areas to improve*

After each assessment a QLA (question level analysis) form will be created, this will highlight the specific areas of improvement needed.



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Post-16 Mathematics

Therapy – *Working & developing on the areas to improve*

*Throughout the course there is **high** expectation of independent work. Alongside assigned homework, students will need to ensure they attempt extra work to stretch and solidify understanding.*

Resources to use for independent work:

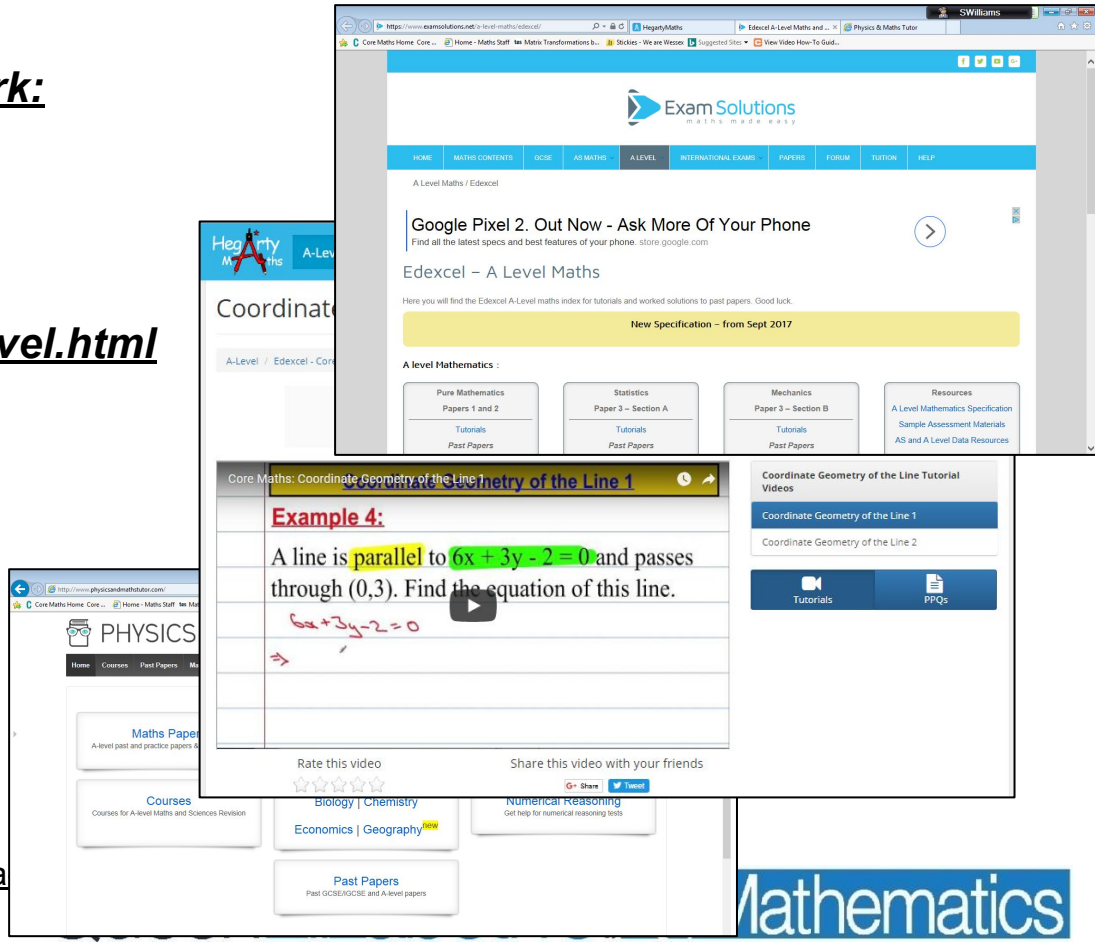
-Course Book

-MathsGenie.com
https://www.mathsgenie.co.uk/newalevel.html
Worksheets and video tutorials on each topic of Yr12 and Yr13 Mathematics.

-hegartymaths.com
https://hegartymaths.com/

-examsolutions.net
https://www.examsolutions.net/a-level-maths/edexcel/

-physicsandmathstutor.com
http://www.physicsandmathstutor.com/maths-revision/a



Post-16 Mathematics

Testing ***– Topic specific testing to show improvement***

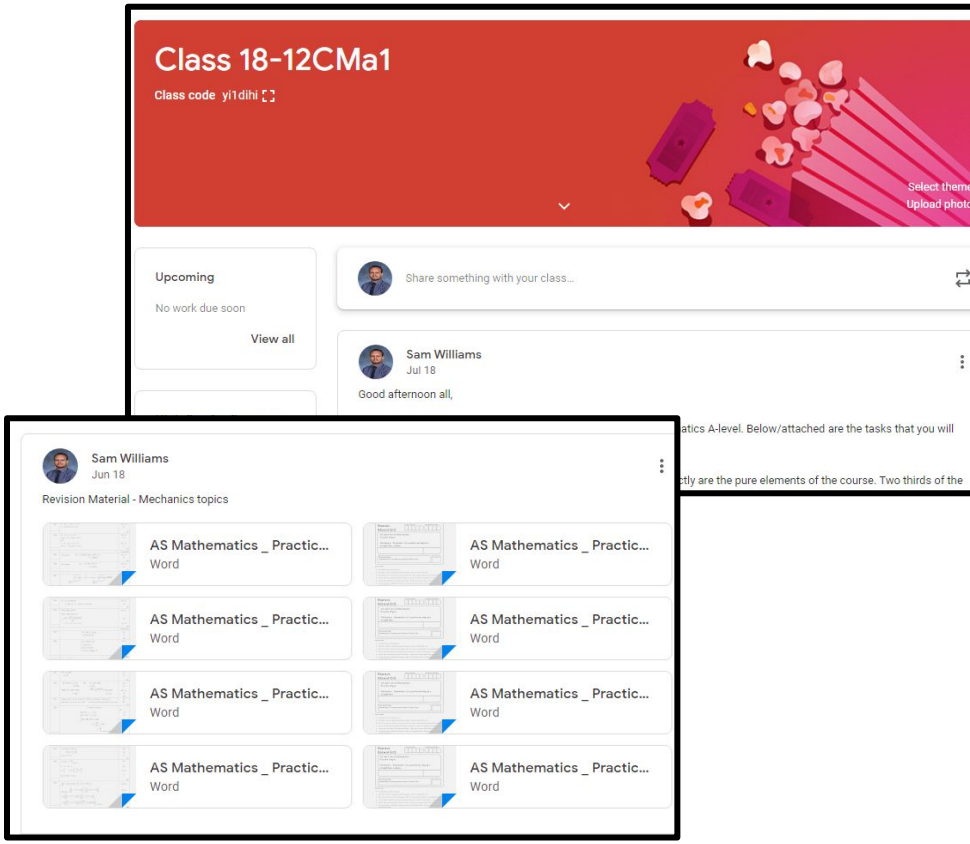
After areas of improvement are revised, then attempting exam quality questions are key to success. These exam questions are all available on the school VLE.

QE Google Classrooms:

- Exam questions by Topic
- Past Papers & Mark-schemes
- Practice Papers

Shared Folder – Sixth Form Student Resources

- Past Papers and Mark schemes
- Exam Revision booklets (10hr exam packs)



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Revision choices available:

Throughout the year there will be additional revision and support available.

Joining other classes – during study periods

Small group Intervention sessions

Weekly Past Paper HW schedule

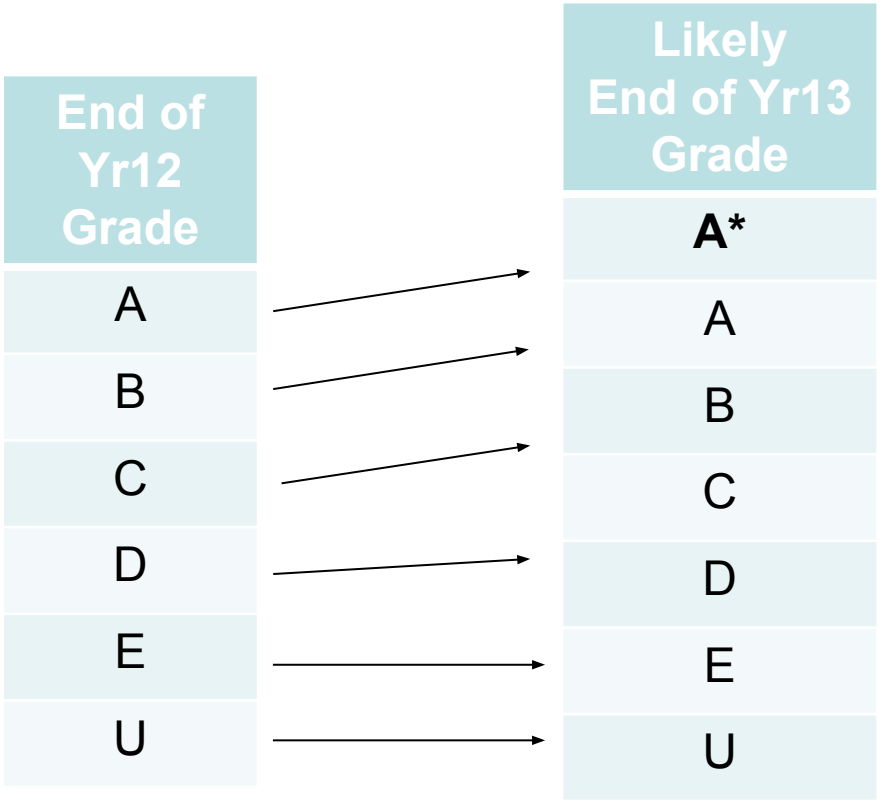
Mini-MOCK's and QLA

Afterschool Exam Prep Hour

The impact into Yr13

Students need to maximise Yr12, as this gives a very clear likelihood of the outcome at the end of Yr13. Leaving the hard work until Yr13 is not an option.

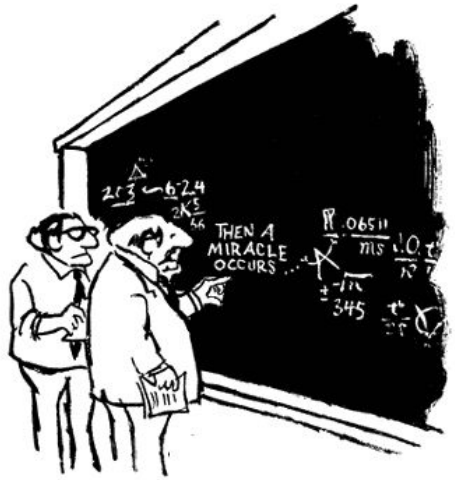
- **End of Yr12 is a strong indicator of your end of Yr13 result.**
- **In the past, QE students on average stay the same or deviate by 1 grade.**
- **Yr13 topics are the advancement of Yr12 topics.**
- **Yr12 topics are used as expected knowledge throughout Yr13.**



For any further information, please contact:

Mr. Sam Williams
Deputy Head of Mathematics

swilliams@queenelizabeths.com



I THINK YOU NEED TO BE MORE EXPLICIT IN THIS PARTICULAR STEP