



KING EDWARD VI
HANDSWORTH GRAMMAR
SCHOOL FOR BOYS

Introduction



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BIRMINGHAM

In this short presentation we will look at how we will work in Mathematics in 2023 – 2024.

We will look at:

- Booklets and Exercise Books
- Homework and Assessments
- Online Platforms



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Booklets and Folders

All your notes and examples will now be completed in a printed booklet for each chapter.

They must be kept neat and up to date.

It is recommended that you buy a folder to keep these in as well as any other paper/worksheets printed for you.

An electronic version will be available on your Class OneNote so you can keep up to date.



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Exercise Book



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This is your notebook. You should be neat in this book. Remember the better job you do at keeping it up to date and tidy, the better it will be in helping you revise and learn.

All **notes and examples** are done at the **front** of the book.

You should always put:

- Dates
- Headings

You will take this book home and must bring it to every lesson.

Your Name and Form _____
Mathematics and Class _____
Teacher Name _____



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Exercise Book



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This is your book to do all classwork and homework exercises. You should also be neat in this book.

All **classwork and independent work/exercises** is done at the **front** of the book.

All **homework** is done at the **back** of the book.

All marking is self or peer assessment.

You should always put:

- Dates
- Headings

You will take this book home and must bring it to every lesson.

Your Name and Form _____
Mathematics and Class _____
Teacher Name _____



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Homework



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You will receive 2 hours of homework per double lesson. It will be recorded on Satchel One.

These will be a mixture of textbook exercises and online tasks (Dr Frost).

You must always show working out at the back of your blue exercise book, even for online tasks.

If you fail to do your homework you will be given a

- Warning for the first instance
- Behaviour point and break time detention for the second instance
- Behaviour point and after school detention for the next instance.

If you score 100% on an online homework you will be given a house point.



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Assessment



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You will have low stakes quizzes in class to check your understanding of current work or previous work, usually in the form of entrance/exit tickets.

You will have high stakes assessments during the two assessment weeks.

There will also be an end of year exam.



Active Learn

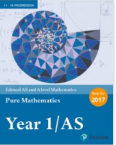
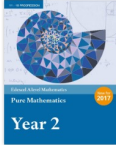
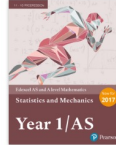
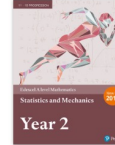
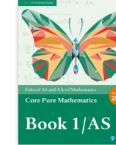
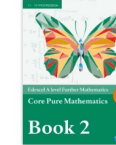


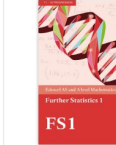
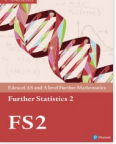
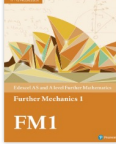
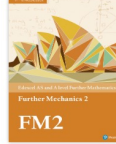
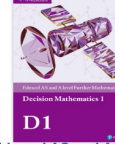
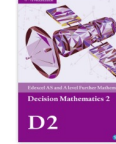


<https://www.pearsonactivelearn.com/>

You will find your online A Level textbooks on here.

Teacher books Student books Exercises

Front-of-class books ?

 <p>Pure Mathematics Year 1-AS</p> <p>View resources</p>	 <p>Pure Mathematics Year 2</p> <p>View resources</p>	 <p>Statistics and Mechanics Year 1-AS</p> <p>View resources</p>	 <p>Statistics and Mechanics Year 2</p> <p>View resources</p>	 <p>Core Pure Mathematics Book 1-AS</p> <p>View resources</p>	 <p>Core Pure Mathematics Book 2</p> <p>View resources</p>	 <p>Further Pure Mathematics 1</p> <p>View resources</p>	 <p>Further Pure Mathematics 2</p> <p>View resources</p>	 <p>Further Statistics 1</p> <p>View resources</p>
 <p>Further Statistics 2</p> <p>View resources</p>	 <p>Further Mechanics 1</p> <p>View resources</p>	 <p>Further Mechanics 2</p> <p>View resources</p>	 <p>Edexcel AS and A level Further Mathematics Decision Mathematics 1</p> <p>View resources</p>	 <p>Decision Mathematics 2</p> <p>View resources</p>				



Active Learn

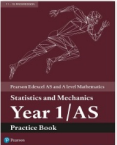
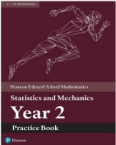
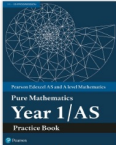
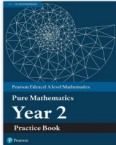
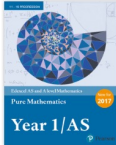

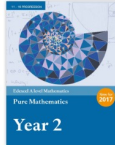
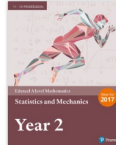
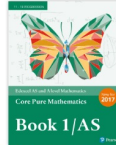
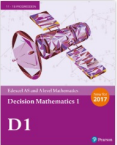




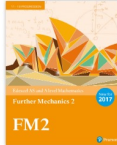
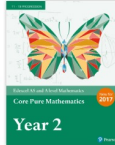

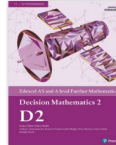


<https://www.pearsonactivelearn.com/>

You can find extra practice books by clicking the student books tab.

Teacher books Student books Exercises

Student books ?

 <p>Edexcel AS and A level Mathematics: Statistics and Mechanics Year 1/AS Practice Book</p> <p>Share book</p>	 <p>Edexcel A level Mathematics: Statistics and Mechanics Year 2 Practice Book</p> <p>Share book</p>	 <p>Edexcel AS and A level Mathematics: Pure Mathematics Year 1/AS Practice Book</p> <p>Share book</p>	 <p>Edexcel A level Mathematics: Pure Mathematics Year 2 Practice Book</p> <p>Share book</p>	 <p>01. Edexcel AS and A level Mathematics Pure Mathematics Year 1 ActiveBook</p> <p>Share book</p>	 <p>02. Edexcel AS and A level Mathematics Statistics and Mechanics Year 1 ActiveBook</p> <p>Share book</p>	 <p>03. Edexcel A level Mathematics Pure Mathematics Year 2 ActiveBook</p> <p>Share book</p>	 <p>04. Edexcel A level Mathematics Statistics and Mechanics Year 2 ActiveBook</p> <p>Share book</p>	 <p>05. Edexcel AS and A level Further Mathematics Core Pure Mathematics Book 1 ActiveBook</p> <p>Share book</p>
 <p>08. Edexcel AS and A level Further Mathematics Decision Mathematics 1 ActiveBook</p> <p>Share book</p>	 <p>07. Edexcel AS and A level Further Mathematics Further Mechanics 1 ActiveBook</p> <p>Share book</p>	 <p>06. Edexcel AS and A level Further Mathematics Further Statistics 1 ActiveBook</p> <p>Share book</p>	 <p>09. Edexcel AS and A level Further Mathematics Further Pure Mathematics 1 ActiveBook</p> <p>Share book</p>	 <p>11. Edexcel AS and A level Further Mathematics Further Statistics 2 ActiveBook</p> <p>Share book</p>	 <p>12. Edexcel AS and A level Further Mathematics Further Mechanics 2 ActiveBook</p> <p>Share book</p>	 <p>10. Edexcel A level Further Mathematics Core Pure Mathematics Book 2 ActiveBook</p> <p>Share book</p>	 <p>14. Edexcel AS and A level Further Mathematics Further Pure Mathematics 2 ActiveBook</p> <p>Share book</p>	 <p>13. Edexcel AS and A level Further Mathematics Decision Mathematics 2 ActiveBook</p> <p>Share book</p>



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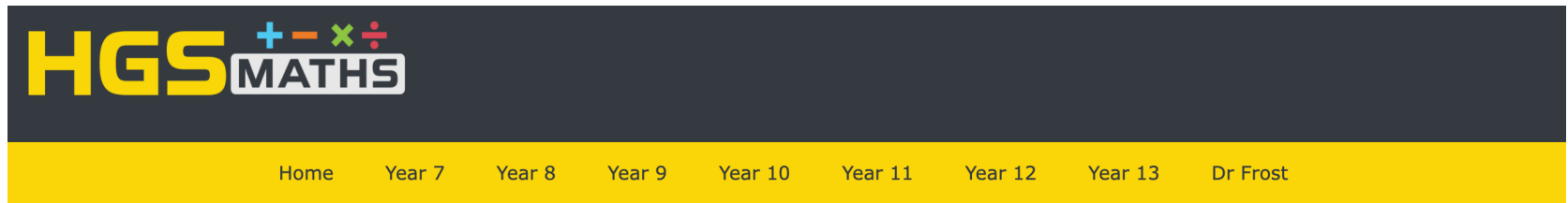
Website

<https://hgsmaths.com/>



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You will find this presentation, revision resources, past papers and practice papers on the year 12 Maths page.



Year 12 - Maths



Documents

- Information
- Scheme of Work
- Enhanced Content Guidance
- Specification
- Large Data Set



Revision

- Revision Resources
- BSG Worksheets
- Moody Maths (Login Required)
- Topic Tests
- Unit Tests



Exams

- Formula Booklet
- Past Papers
- Practice Papers



Website

<https://hgsmaths.com/>



You will find this presentation, revision resources, past papers and practice papers on the year 13 Maths page.



Home Year 7 Year 8 Year 9 Year 10 Year 11 Year 12 Year 13 Dr Frost

Year 13 - Maths



Documents

- Information
- Year 12 Course Calendar
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Revision

- Revision Resources
- Year 12 Assessments
- BSG Worksheets
- MadAsMaths
- Moody Maths (Login Required)
- Pure Maths Modelling Problems
- Topic Tests
- Unit Tests



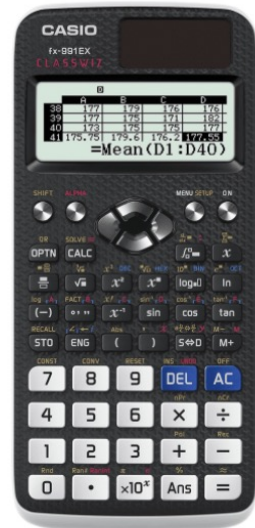
Exams

- Formula Booklet
- Past Papers
- Practice Papers



Calculators and Textbooks

- You will receive information about how to purchase hard copies of textbooks. This is optional as you have online access given to you.
- You must however buy the Casio ClassWiz calculator (or equivalent) for studying Maths at A level. Again, this will be sent out to you soon.
- We buy in bulk to get the best possible price.
- **you may qualify for the above items for FREE if you are entitled to Free School Meals (FSM).*





Success

- You are obviously able to get a top grade as you made the entry requirement to do Maths at a grammar school.
- Some of you may not have needed to have worked *too* hard to get your 7, 8 or 9 – because you are very talented mathematicians. Not itself a bad thing!
- **BUT**...all of you will have to work consistently throughout your A Levels whoever you are because they are A LOT HARDER!
- Practice is key and you need lots of it! **YOU MUST DO ALL TEXTBOOK EXERCISES!**
- The key to success: **MINIMUM 2 HOURS OF WORK FOR EVERY LESSON.**
- Whatever you do, do NOT FALL BEHIND. Do not think you will cram it all in. Many like you have tried at GCSE and SUCCEEDED...**but then tried at A level and FAILED!**
- **THE 6 P's FOR SUCCESS ARE:**
PRACTICE
PERSERVERE
PRECISION
and
PRACTICE, PRACTICE, PRACTICE





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Dr Frost

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We have uploaded the A Level content to Dr Frost so that you can easily do independent work based on what you cover in lessons.



Demo Test Student

King Edward VI Handsworth Grammar
School for Boys



Trophies
0/37



Points This Year
0

Mastery

0 0 0

What to work on next?

[Start a Practice](#)

[Review Progress](#)

YOUR COURSES

[A Level \(2023 - 2025\)](#)

[+Add Course](#)

Notifications

Welcome to DrFrostMaths! This is your home dashboard, where you can start a practice, see what work has been assigned to you by a teacher, explore a course, and more. We're keen to help you whatever your maths goals are.

My Homework

You haven't been set any tasks.

[Review All](#)

Resources

[Questions & Past Papers](#)

[Downloadables](#)

[Virtual Whiteboard](#)


[Dr Frost Live!](#)



<https://www.dr frostmaths.com/>

In each course you can click through to the textbook chapter and topic you want to practice and do key skills or exam questions.

Courses → Schools → King Edward VI Handsworth Grammar School for Boys
A Level (2023 - 2025)



Prerequisites

- P1 - Chp1 - Algebraic Expressions
- P1 - Chp2 - Quadratics
- P1 - Chp3 - Equations and Inequalities
- P1 - Chp5 - Straight Line Graphs
- P1 - Chp8 - The Binomial Expansion
- P1 - Chp9 - Trigonometric Ratios
- P1 - Chp10 - Trigonometric Identities and Equations
- P1 - Ch11 - Vectors
- P1 - Ch12 - Differentiation
- P1 - Chp14 - Exponentials and Logarithms
- S1 - Chp1 - Data Collection
- M1 - Chp8 - Modelling in Mechanics

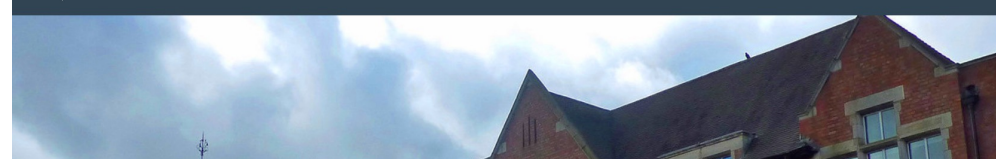
Pure and Mechanics 1

- P1 - Chp2 - Quadratics
- P1 - Chp3 - Equations & Inequalities
- P1 - Chp4 - Graphs & Transformations
- M1 - Chp9 - Constant Acceleration
- P1 - Chp5 - Straight Line Graphs
- P1 - Chp6 - Circles
- P1 - Chp11 - Vectors
- M1 - Chp10 - Forces and Motion
- M2 - Chp5 - Forces and Friction
- P1 - Chp13 - Integration
- M1 - Chp11 - Variable Acceleration
- P1 - Chp14 - Exponentials & Logarithms
- S1 - Chp1 - Data Collection
- P2 - Chp3 - Sequences and Series
- M2 - Chp4 - Moments
- P1 - Ch7 & P2 - Ch1 - Proof

Pure and Statistics 1

- P1 - Chp14 - Exponentials & Logarithms
- P1 - Chp7 - Algebraic Methods
- P1 - Chp8 - The Binomial Expansion
- S1 - Chp2 - Measures of Location and Spread
- S1 - Chp3 - Representations of Data
- P1 - Chp12 - Differentiation
- P1 - Chp9 - Trigonometric Ratios
- P1 - Chp10 - Trigonometric Identities & Equations
- P2 - Chp5 - Radians
- S1 - Chp5 - Probability
- S2 - Chp2 - Conditional Probability
- P1 - Chp6 - Statistical Distributions
- S1 - Chp1 - Data Collection
- S1 - Chp4 - Correlation
- S2 - Chp1 - Regression, Correlation and Hypothesis Testing
- P2 - Chp1 - Algebraic Methods

King Edward VI Handsworth Grammar School for Boys → A Level (2023 - 2025) → Pure and Mechanics 1 →
P1 - Chp2 - Quadratics



Pure and Mechanics 1

- P1 - Chp2 - Quadratics**
6 skills
- P1 - Chp3 - Equations & Inequalities**
3 skills
- P1 - Chp4 - Graphs & Transformations**
5 skills
- M1 - Chp9 - Constant Acceleration**
4 skills
- P1 - Chp5 - Straight Line Graphs**
1 skills

DOWNLOADABLE RESOURCE
Pure 1 Chapter 2 - Quadratics
Designed to accompany the Pearson Pure Mathematics Year 1/AS textbook.

185 Solve equations involving a power of a variable (including roots) where the variable appears once only.
Mastery: 0/100

Practise

OR NARROW DOWN

	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> E185: Exam Practice: Solve equations involving a power of a variable (including roots) where the variable appears once only.	Example	📱	1-4
<input type="checkbox"/> K185a: Solve two-step equations where a power or a root is involved.	Example	📱	1
<input type="checkbox"/> K185b: Solve equations leading to $x^a = b$ where a is a fraction.	Example	📱	2