



KING EDWARD VI
HANDSWORTH GRAMMAR
SCHOOL FOR BOYS

Introduction



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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

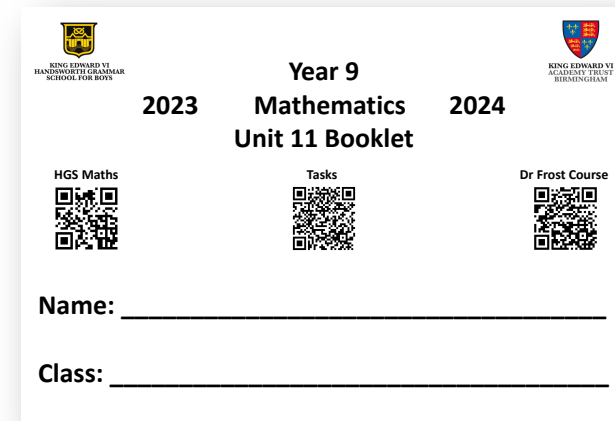


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All your notes and examples will be completed in printed booklets.

The booklets must be kept neat and up to date.

These will be kept in school until fully completed.





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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** 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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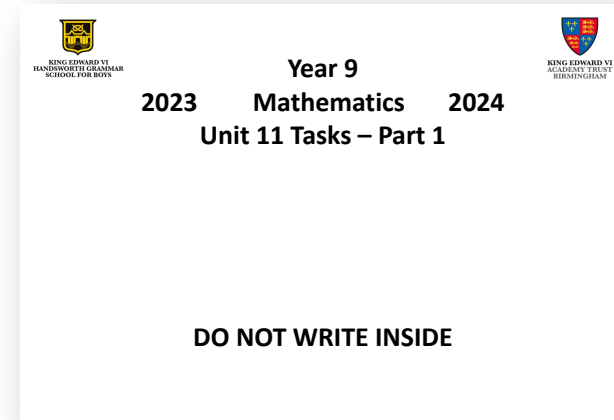
Tasks



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Questions will either be projected on the board, or you will be given a task booklet to use.

Do not write inside the task booklet.





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Homework



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You will receive 2 homeworks per week. It will be recorded on Satchel One.

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

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 at the end of every unit.

There will also be an end of year exam.



Website

<https://hgsmaths.com/>



You will find this presentation, revision resources, booklets, tasks and UKMT past papers on the year 9 page.

The screenshot shows the HGSMATHS website interface. At the top is a dark grey header with the 'HGSMATHS' logo in yellow and white. Below this is a yellow navigation bar with links for Home, Year 7, Year 8, Year 9, Year 10, Year 11, Year 12, Year 13, and Dr Frost. A secondary navigation bar below that has Year 9 selected, with Year 8 and Year 7 also visible. The main content area is titled 'Year 9' and features a grid of resource cards. Each card has a colored icon and a list of items:

- Documents** (blue envelope icon):
 - Information
 - Curriculum Map
 - Content Guidance
 - Specification
- Revision** (blue book icon):
 - Revision Resources
- UKMT Intermediate Past Papers** (blue triangle icon):
 - Intermediate Mathematical Challenge
 - Grey Kangaroo
 - Cayley Olympiad
- Unit 11** (blue link icon):
 - Booklet
 - Tasks
- Unit 12** (red link icon):
 - Booklet
 - Tasks
- Unit 13** (green link icon):
- Unit 14** (purple link icon):
- Unit 15** (orange link icon):



Website

<https://hgsmaths.com/>



On the year 9 page you can also access blank copies of the booklets you used last two years by clicking year 8 and year 7 on the grey tab.

HGS MATHS

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

Year 9 Year 8 Year 7

Year 8

- Unit 6 • Booklet
- Unit 7 • Booklet
- Unit 8 • Booklet
- Unit 9 • Booklet
- Unit 10 • Booklet

HGS MATHS

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

Year 9 Year 8 Year 7

Year 7

- Unit 1 • Booklet
- Unit 2 • Booklet
- Unit 3 • Booklet
- Unit 4 • Booklet
- Unit 5 • Booklet



Website

<https://hgsmaths.com/>



On the year 11 page you can also access more revision resources as well as past papers and practice papers.

The screenshot shows the HGS MATHS website interface. At the top, there is a dark grey header with the 'HGS MATHS' logo in yellow and white, featuring mathematical symbols (+, -, x, ÷). Below the header is a yellow navigation bar with links for Home, Year 7, Year 8, Year 9, Year 10, Year 11 (selected), Year 12, Year 13, and Dr Frost. Below the navigation bar is a grey bar with links for Year 11 (selected), Year 10, and Year 9. The main content area is titled 'Year 11' and contains several sections:

- Documents** (yellow folder icon):
 - Information
 - Curriculum Map
 - Content Guidance
 - Specification
 - Revision Checklist
- Revision** (yellow book icon):
 - Revision Resources
 - 99 Problems
 - Aiming for Grade 7 Papers
 - Aiming for Grade 9 Papers
 - BSG Problem Solving
 - Moody Maths (Login Required)
 - Themed Papers
 - Topic Tests
- Exams** (blue person at desk icon):
 - Past Papers
 - Practice Papers
- Unit 21** (blue link icon):
 - Booklet
 - Tasks
- Unit 22** (red link icon)
- Unit 23** (green link icon)
- Unit 24** (purple link icon)
- Unit 25** (orange link icon)



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Dr Frost

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



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We have uploaded our curriculum 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

[Year 9 \(2023-2024\)](#)

[+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](#)

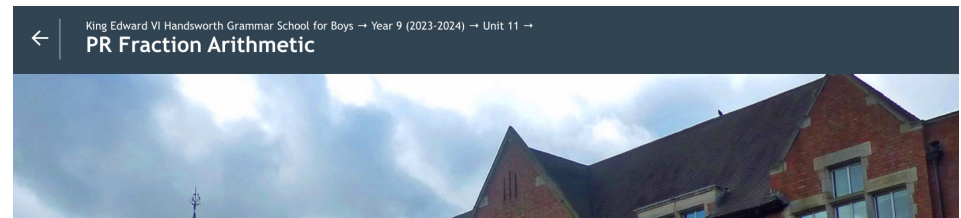
[Virtual Whiteboard](#)

[Dr Frost Live!](#)



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

In each course you can click through to the unit and topic you want to practice and do key skills or exam questions. PR stands for prerequisite.



Year 9 (2023-2024)

Unit 11

- PR Fraction Arithmetic
- Fraction Arithmetic
- PR HCF and LCM
- HCF and LCM
- PR Standard Form
- Standard Form
- Types of Numbers
- PR Simplifying Surds
- Simplifying Surds
- PR Angles in Polygons
- Angles in Polygons

Unit 12

- PR Expanding Double Brackets
- Expanding Double Brackets
- PR Factorising
- Factorising by Grouping
- Factorising Quadratics
- Difference of Two Squares
- PR Functions and Changing the Subject
- Functions and Changing the Subject
- Basic Functions
- Changing the Subject
- Inverse Functions

Unit 13

- PR 2D Pythagoras' Theorem
- 2D Pythagoras' Theorem
- Properties of 3D Shapes
- Plans and Elevations
- PR Volume and Surface Area of Prisms
- Volume and Surface Area of Prisms
- Volume and Surface Area of Prisms
- PR Area and Volume Unit Conversions
- Area and Volume Unit Conversions
- PR Compound Measures
- Compound Measures

Unit 14

- PR Linear Inequalities
- Linear Inequalities
- PR Straight Line Graphs
- Straight Line Graphs
- Basic Vectors
- PR Reflections, Rotations and Translations
- Reflections, Rotations and Translations
- PR Right-Angled Trigonometry
- Right-Angled Trigonometry

Unit 15

- PR Percentages with Multipliers
- Percentages with Multipliers
- PR Repeated Percentage Change
- Repeated Percentage Change
- PR Enlargements
- Enlargements
- PR Similarity with Length
- Similarity with Length
- PR Right-Angled Trigonometry
- Right-Angled Trigonometry

Unit 11

PR Fraction Arithmetic
2 skills

Fraction Arithmetic
9 skills

PR HCF and LCM
4 skills

HCF and LCM
1 skills

PR Standard Form
3 skills

Standard Form
4 skills

Put any introductory information about this unit here. Click to update.

29 Understand equivalent fractions.
Mastery: 0/100

Practise

OR NARROW DOWN	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> E29: Exam Practice: Understand equivalent fractions.	Example	1-4	
<input type="checkbox"/> K29a: Write a proportion as a fraction in its simplest form.	Example	1	
<input type="checkbox"/> K29b: Find equivalent fractions.	Example	1	
<input type="checkbox"/> K29c: Write a fraction in its simplest form.	Example	2	
<input type="checkbox"/> K29d: Compare two fractions.	Example	2	
<input type="checkbox"/> K29e: Find what fraction a number is of another.	Example	3	