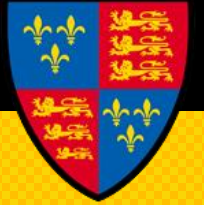




**KING EDWARD VI
HANDSWORTH GRAMMAR
SCHOOL FOR BOYS**



**KING EDWARD VI
ACADEMY TRUST
BIRMINGHAM**



**START OF YEAR INFORMATION
KS3 and KS4**

www.hgsmaths.com

Introduction

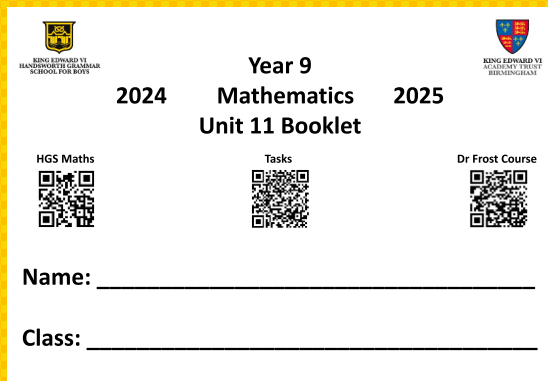
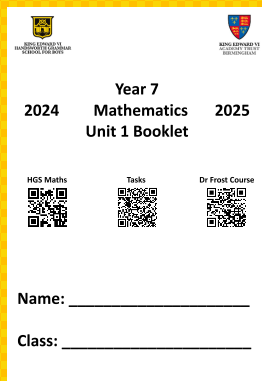
In this short presentation, we will look at how we will work in Mathematics.

We will look at:

- Booklets – Student and Task
- Exercise Book
- Equipment
- Homework
- Assessments
- Online Platforms – HGS Maths and Dr Frost
- Enrichment and Support

Student Booklets

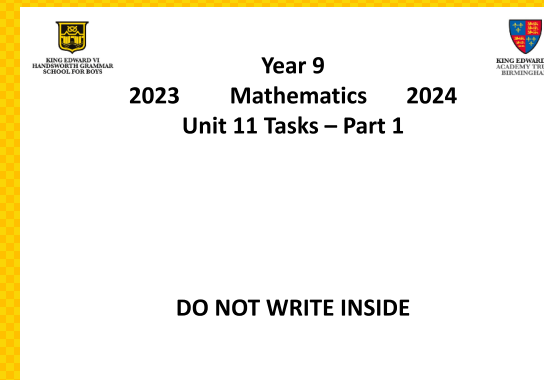
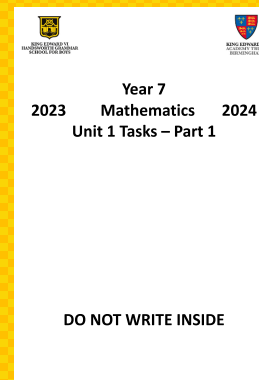
- All your notes and examples will be completed in printed booklets.
- The booklets must be kept neat and up to date.
- These will be kept in school until fully completed, after which you will take them home to keep.



Note: Year 7 and 8 booklets are portrait, while Year 9, 10, and 11 booklets are landscape.

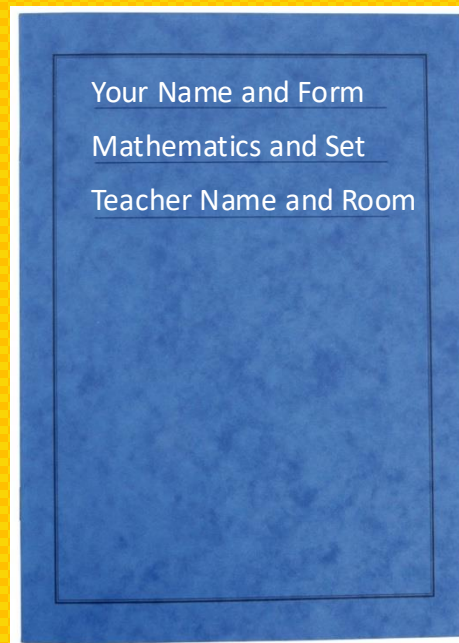
Task Booklets

- Questions will either be projected on the board, or you will be given a task booklet to use.
- Do not write inside the task booklets as they will be used again next year.



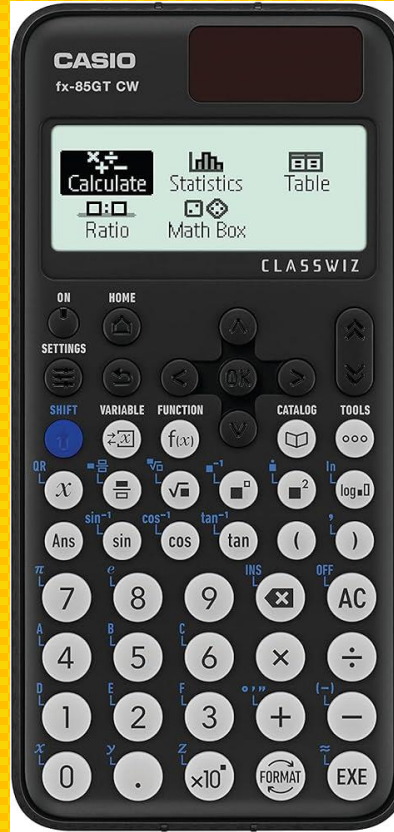
Exercise Book

- This is your book for all classwork and homework exercises. You should keep this book neat.
- All **classwork** is done at the **front** of the book.
- All **homework** is done at the **back** of the book.
- All marking is done through self or peer assessment.
- You should always include:
 - Dates
 - Headings
 - Margins
- You will take this book home and must bring it to every lesson.



Equipment

- As well as your exercise book, you should bring the following equipment to every lesson:
 - 2 pens (ideally black)
 - 1 red or green pen
 - Pencil
 - Ruler
 - Sharpener
 - Eraser
 - Protractor
 - Compass
 - Calculator (Casio fx-85GT CW or fx-991CW)
- A pack with this equipment can be purchased from the school. Details will be posted on Microsoft Teams.



Note: It is recommended that you purchase the Casio fx-991CW if you are considering studying Mathematics at A level.

Homework

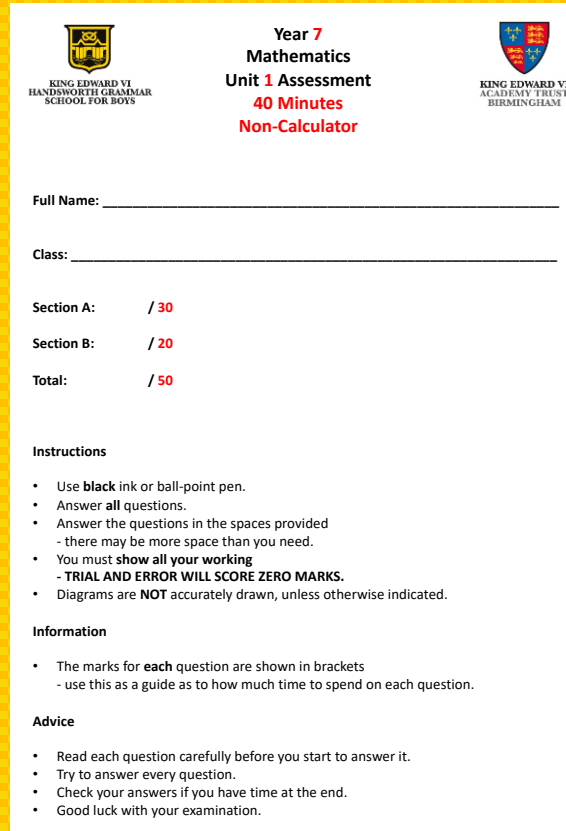
- You will receive 2 homeworks per week. They will be recorded on Satchel One.
- One homework will be a retrieval task set online on Dr Frost for the entire year group. Details will be confirmed on Microsoft Teams.
- The other homework is set by your classroom teacher(s). This could be another Dr Frost task or an exercise from the task booklet.
- You must always show your working out at the back of your blue exercise book for any Dr Frost homework.



- **If you score 100% on a Dr Frost homework, you will be awarded a house point.**
- **If you fail to complete your homework, you will be sanctioned (our policy is shown below).**

Stage	Sanction	Contact
1	Verbal warning/reprimand	Email FT/Parent
2	Short teacher detention (5 minutes)	Email FT/Parent
3	Longer teacher detention (break or 15 minutes after school)	Email FT/Parent
4	Department detention (30 minutes)	Email FT/Parent and HoY
5	Department detention (45 minutes)	Call home + Email FT/HoY
6	Department detention (60 minutes)	Call home + Email FT/HoY
7	Whole school – get parents in	HoD/HoY meeting

Assessments

- You will have entrance/exit tickets in class to check your understanding of current or previous work.
- You will have formal assessments at the end of every unit.
- There will also be an end of year exam.



 **Year 7**
Mathematics
Unit 1 Assessment
40 Minutes
Non-Calculator 

Full Name: _____

Class: _____

Section A: / 30

Section B: / 20

Total: / 50

Instructions

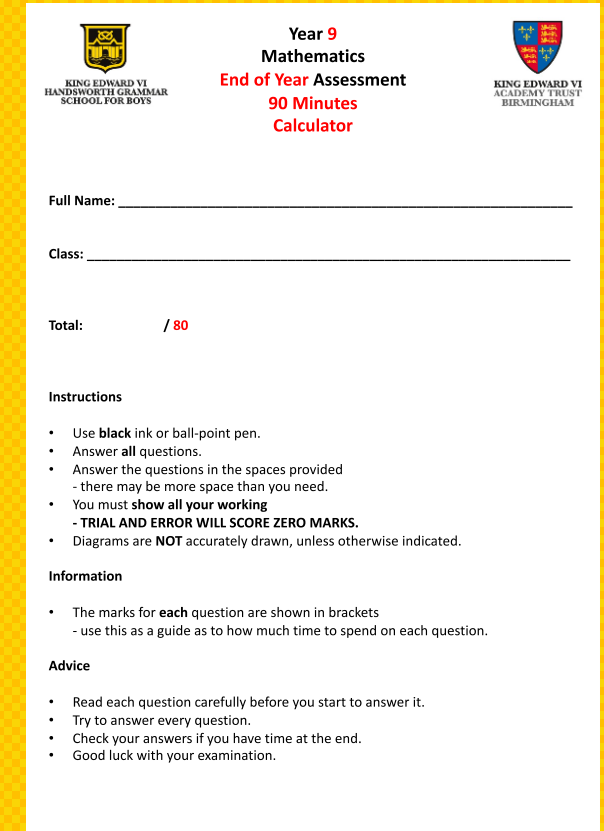
- Use **black** ink or ball-point pen.
- Answer **all** questions.
- Answer the questions in the spaces provided
- there may be more space than you need.
- You must **show all your working**
- **TRIAL AND ERROR WILL SCORE ZERO MARKS.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.



Information

- The marks for **each** question are shown in brackets
- use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.
- Good luck with your examination.



 **Year 9**
Mathematics
End of Year Assessment
90 Minutes
Calculator 

Full Name: _____

Class: _____

Total: / 80

Instructions

- Use **black** ink or ball-point pen.
- Answer **all** questions.
- Answer the questions in the spaces provided
- there may be more space than you need.
- You must **show all your working**
- **TRIAL AND ERROR WILL SCORE ZERO MARKS.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.

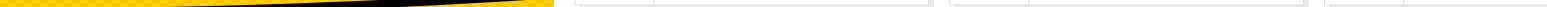
Information

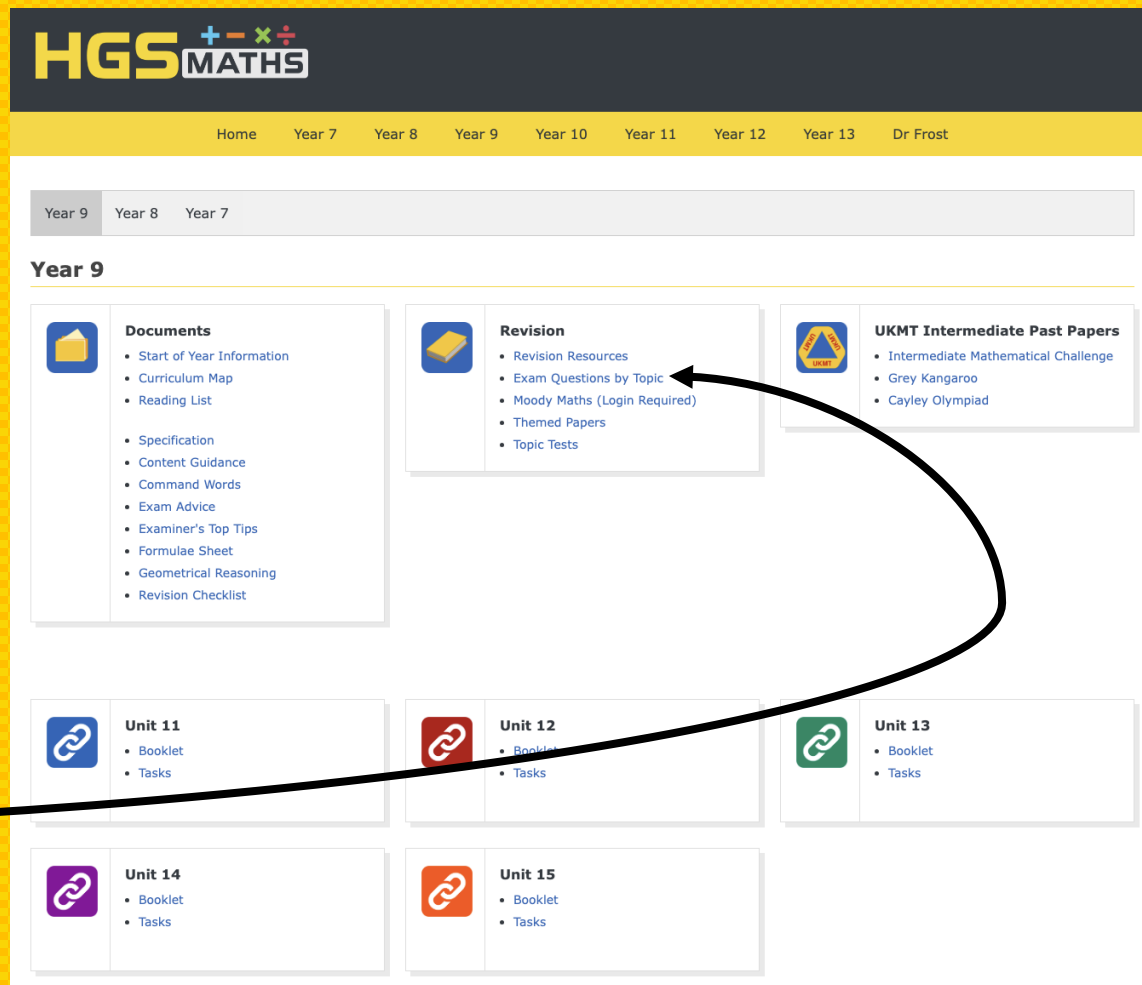
- The marks for **each** question are shown in brackets
- use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.
- Good luck with your examination.

Website

- You will find the school's mathematics curriculum map, reading list of mathematical books, student and task booklets, and UKMT past papers on the relevant page for your year group.
- On the Year 8 to Year 11 pages, you can access blank copies of the previous year's booklets by clicking the relevant year on the grey tab.
- The Year 9 to Year 11 pages also include the GCSE specification, revision resources, and past paper questions.
- The recommended resource for past paper questions is the following link. 

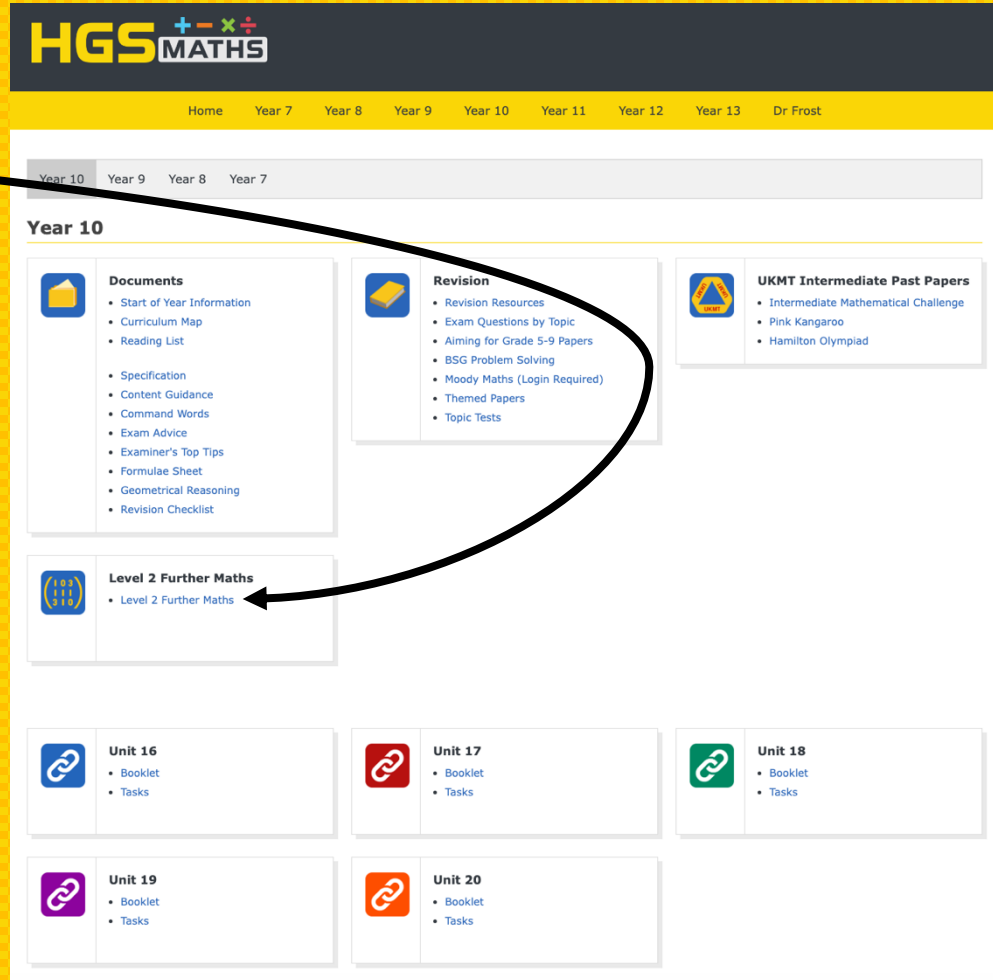


The screenshot shows the HGS MATHS website interface. At the top, there is a dark blue header with the logo 'HGS MATHS' and a navigation bar with links for Home, Year 7, Year 8, Year 9, Year 10, Year 11, Year 12, Year 13, and Dr Frost. Below this, a grey tab bar allows users to select a year group, with 'Year 9' currently selected. The main content area is titled 'Year 9' and contains several resource boxes:

- Documents**: Includes Start of Year Information, Curriculum Map, Reading List, Specification, Content Guidance, Command Words, Exam Advice, Examiner's Top Tips, Formulae Sheet, Geometrical Reasoning, and Revision Checklist.
- Revision**: Includes Revision Resources, Exam Questions by Topic, Moody Maths (Login Required), Themed Papers, and Topic Tests.
- UKMT Intermediate Past Papers**: Includes Intermediate Mathematical Challenge, Grey Kangaroo, and Cayley Olympiad.
- Unit 11**: Includes Booklet and Tasks.
- Unit 12**: Includes Booklet and Tasks.
- Unit 13**: Includes Booklet and Tasks.
- Unit 14**: Includes Booklet and Tasks.
- Unit 15**: Includes Booklet and Tasks.

Website (L2FM Only)

- If you are also studying Level 2 Further Maths, you can access your booklets and L2FM resources through this link.



The screenshot shows the HGS MATHS website interface. At the top, there is a navigation bar with the logo and a menu for Home, Year 7, Year 8, Year 9, Year 10, Year 11, Year 12, Year 13, and Dr Frost. Below this, a secondary navigation bar highlights Year 10, with links for Year 10, Year 9, Year 8, and Year 7. The main content area is titled "Year 10" and contains several resource cards:

- Documents**: Start of Year Information, Curriculum Map, Reading List, Specification, Content Guidance, Command Words, Exam Advice, Examiner's Top Tips, Formulae Sheet, Geometrical Reasoning, Revision Checklist.
- Revision**: Revision Resources, Exam Questions by Topic, Aiming for Grade 5-9 Papers, BSG Problem Solving, Moody Maths (Login Required), Themed Papers, Topic Tests.
- UKMT Intermediate Past Papers**: Intermediate Mathematical Challenge, Pink Kangaroo, Hamilton Olympiad.
- Level 2 Further Maths**: Level 2 Further Maths (indicated by a black arrow from the text in the slide).
- Unit 16**: Booklet, Tasks.
- Unit 17**: Booklet, Tasks.
- Unit 18**: Booklet, Tasks.
- Unit 19**: Booklet, Tasks.
- Unit 20**: Booklet, Tasks.

Dr Frost

- We have uploaded our curriculum to Dr Frost so that you can easily do independent work based on what you cover in lessons.
- In each course, you can click through to the unit and topic you want to practice and do key skills or exam questions.

The screenshot shows the user dashboard for a 'Demo Test Student' at King Edward VI Handsworth Grammar School for Boys. The dashboard includes a navigation menu, a search bar, and a user profile section with statistics: Trophies (0/37), Points This Year (0), and Mastery (0/0/0). The main content area is titled 'What to work on next?' and features a 'Start a Practice' button, a 'Review Progress' link, and a 'YOUR COURSES' section where 'Year 7' is highlighted with a red circle and an '+Add Course' link. There is also a 'My Homework' section with a 'Review All' link and a 'Resources' section. A 'Notifications' panel on the right contains a welcome message.

The screenshot shows the 'Year 7' course page. The breadcrumb trail is 'Courses → Schools → King Edward VI Handsworth Grammar School for Boys → Year 7'. The page features a large image of the school building and three unit cards: 'Unit 1' (Factors, Multiples and Primes; Sets and Venn Diagrams; Negative Numbers), 'Unit 2' (Powers and Roots; Order of Operations; Introduction to Algebra), and 'Unit 3' (Fractions; Decimals; Solving Linear Equations 1).

The screenshot shows the 'Factors, Multiples and Primes' unit page. The breadcrumb trail is 'King Edward VI Handsworth Grammar School for Boys → Year 7 → Unit 1 → Factors, Multiples and Primes'. The page displays 'Unit 1' with a list of topics: 'Factors, Multiples and Primes' (8 skills), 'Sets and Venn Diagrams' (1 skill), and 'Negative Numbers' (4 skills). The 'Factors, Multiples and Primes' topic is expanded to show '52 Multiples of a number' with a mastery of 0/100 and a 'Practise' button. Below this, there is a table of questions with columns for 'OR NARROW DOWN', 'VIDEO', 'DIFFICULTY', and 'RECENT ACCURACY'.

OR NARROW DOWN	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> 52: Exam Practice: Multiples of a number	Example	1-4	
<input type="checkbox"/> 52a: Identify multiples of a number from 1 to 12.	Example	1	
<input type="checkbox"/> 52c: Write the first 3 multiples of a number.	Example	1	
<input type="checkbox"/> 52d: Write all the multiples of a number in a range.	Example	1	

Enrichment

Support

There are two **break time clubs** running for Mathematics. These will be on **Tuesday**.

ROOM 27

Prepare for the Junior, Intermediate, or Senior UKMT

Challenges by:

- Practising questions from the challenges
- Tackling other advanced problem-solving tasks

ROOM 28

Get help with:

- Dr Frost retrieval homework
- Past paper questions
- Any maths topic you don't understand

You can also use this time and space to just do maths.

Details will be confirmed on Microsoft Teams.