

# Maths Parental Handbook

2023-24

**Welcome** to this Maths Parental handbook where we have collated the information which we believe will be most useful in supporting your child's maths journey through KMA.

## **Contents:**

- Schemes of Learning Overview
- KS3 Timings and Assessments
- KS4 Scheme of Learning Overview
- KS4 Timings and Assessments
- Setting, stretch and support
- Homework and Support
- Revision and Support

If you have any questions, please contact your child's maths teacher or drop me a line.

Mr. R. Taylor  
Head of Maths

# Schemes of Learning

Year					
7	8	Set	9	10	11
3	4	1	5	6-7	K10-11
3	4	2	5	5-6	K9-10
2	3	3	4	5	K6-9

Schemes
2
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Units	
A	Calculations
B	Number Systems
J	Probability
C	Indices
D	Equations and Formulae
G	Graphs and Sequences
E	Proportion
K	Handling Data
F	Measurements
I	Angles
H	Transformations
L	Loci and Constructions

## Rationale

Students complete Units A-L each year, but at different levels.

Scheme 3-4-5-6-7 in Years 7-10. Each scheme builds on the previous year in what would be called a "Spiral Curriculum".

Y11 are completing the Kangaroo Schemes of Learning that they have been working on in Y10.



# Schemes of Learning - Y7-10

## Timescales

Units	Notes
A,B,J,C	Teach until Christmas, A,B,J,C. Assessment after Christmas.
<b>Christmas Holidays</b>	
D,G,E,K,F	Teach Christmas to End of Term 5 Assessment before Term 5 finish
<b>May Half-Term</b>	
I,H,L	Financial Maths Week Curriculum: Angles, Transformations & Data Handling.

## End of Unit Assessments (EOUAs)

After each unit, an EOUA will take place, with at least one week's notice, including a  $\frac{1}{2}$  lesson revision of the topics that are going to be on the test.

After the 1<sup>st</sup> four units, students will undertake a larger assessment incorporating questions from all four units (EO4UA). After the 2<sup>nd</sup> four units, students will undertake an assessment incorporating questions from all eight units.

## Financial Maths

We undertake a financial literacy week each year in Term 6, covering such topics as basic budgeting in Y7 up to mortgages and credit cards in Year 10.

# Curriculum Calendar

2023/24 Curriculum Overview - Y7-10																																																																		
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# KS4 Summative Assessments - 2023/24

## **Year 10:**

Students will be assessed:

- Mid-October (1x GCSE Paper)
- End of Feb (1x GCSE Paper)
- Term 5 (1x GCSE Paper)
- Other topic-based tests as decided by the teacher.

## **Summative Assessments - Year 11:**

- End of 1<sup>st</sup> Half term (1x GCSE Paper)
- November: School-wide Mock exams(3x GCSE Papers)
- March: School-wide Mock exams(3x GCSE Papers)
- Other topic-based tests as decided by the teacher.



# Throughout both

## Key Stages

### Homework

- Students should be set DrFrostMaths 1<sup>ce</sup> per week;
- totalling 30-60mins.
- Closer to 30 mins for KS3, and closer to 60mins for KS4.
- This should be checked also 1<sup>ce</sup> per week, with any general misconceptions addressed in-class.
- Students who don't complete the task up to 60% should have it "reassigned" to them. This is a general aim, but could be adjusted as teachers see fit.
- Students not completing HWK, will be issued a C2-No HWK; on the 2<sup>nd</sup> missed HWK, they will be issued with a C3.

### Maths Drop-In

For any HWK concerns, or test revision, teachers and some expert students are available

- KS3 (Y7-9) – Wednesdays, in M6
- KS4 (Y10-11) – Tuesdays, in M5



# Throughout both Key Stages

## UK Maths Trust (UKMT) – Maths Challenge

Students in all Years will be offered the opportunity to participate in the above.

The Intermediate Maths Challenge (IMC) is aimed at Years 9-11 and will take place, on/around Wednesday 31<sup>st</sup> January, 2024.

The Junior Maths Challenge (JMC) is aimed at Years 7-8 and will take place on/around Thursday 25<sup>th</sup> April 2024.

Past questions can be found on the UKMT website:

<https://ukmt.org.uk/>

Students in the top set in Y11 will be offered additional, optional qualifications: GCSE Further Maths and GCSE Statistics.

### **Setting:**

#### **KS3**

In Year 7, Year 6 tests are combined with a diagnostic test in the 2<sup>nd</sup> week of term. Students are then placed in sets 1-3.

Setting is reviewed after every 2<sup>nd</sup> End of Unit Assessments with minor changes, and after large Multi-Unit Assessments which occur three times per year.

#### **KS4**

Using the EoUAs (larger assessment) and alongside other summative and teacher assessments throughout KS3, students will be set in Sets 1-3 in two halves of the year group. These will be reviewed after each major summative assessment outlined before.



# Revision

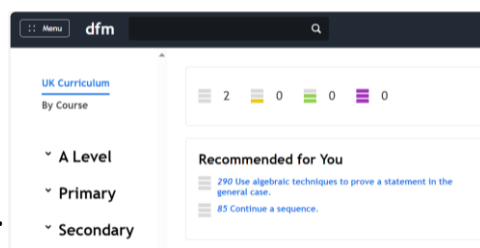
There are many ways to revise and a variety of tasks and resources can be helpful. As well as mind-mapping and the like, the 2 recommended revision strategies are:

- 1) Topic-Based
- 2) Past Papers

## Topic-based

Through end of unit reviews and other summative assessments such as GCSE past papers, students should be able to identify those topics that need revising more than others.

[DrFrostMaths](#) (DFM) is the best place to go for revising those topics – type the topic into the search bar - or why not try [Corbett Maths](#).



## Past Papers

We use the AQA (8300) exam board but even Edexcel past papers are useful. Again, [DrFrostMaths](#) has a whole raft of past papers on it, but other useful revision websites are:

- [Maths Genie](#)
- [Maths Made Easy](#)
- [Mr. Barton Maths](#)
- [Revision Maths](#)



If paper is more your thing, then we recommend CGP resources and their [Revision Bundles](#) are well-presented and excellent value-for-money. Check with your teacher whether you are Foundation or Higher Tier.

All the resources above are hyperlinked to the right webpages.

A list of [GCSE topics](#) can be found here.