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

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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
3
4
5
6
7
8

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.

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Schemes of Learning - Y7-10

Timescales

Units	Notes
A,B,J,C	Teach until Christmas, A,B,J,C. Assessment after Christmas.
Christmas Holidays	
D,G,E,K,F	Teach Christmas to End of Term 5 Assessment before Term 5 finish
May Half-Term	
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 ½ lesson revision of the topics that are going to be on the test.

After the 1st four units, students will undertake a larger assessment incorporating questions from all four units (EO4UA). After the 2nd 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.

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Curriculum Calendar

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2023/24 Curriculum Overview - Y7-10

SOW 23-24

	Year 7	Year 8	Year 9	Year 10
	7a1	8a1	9a1	10.1
	7a2	8a2	9a2	10.3
	7a3	8a3	9a3	10.5
	7b1	8b1	9b1	10.2
	7b2	8b2	9b2	10.4
	7b3	8b3	9b3	10.6

SOW
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Units of work

	Unit
A	Calculations
B	Number System
C	Indices
J	Probability
D	Equations and Formulae
G	Graphs and Sequences
E	Proportion
K	Handling Data
F	Mensuration
I	Angles
H	Transformations
L	Constructions

Curriculum Calendar

Autumn Term 1

Week	1	2	3	4	5	6	7
W/B:	29th Aug	4th Sep	11-Sep	18th Sep	25th Sep	2nd Oct	9th Oct
Year 7	Arithmetic whilst setting	Unit A - Calculations		Unit A - Calculations	Unit B - Number System		
Year 7	Unit A Calculations			Unit B - Number System			
Year 7	Unit A Calculations			Unit B - Number System			
Year 7	Finish Kangaroo SoL						GCSE Paper

Autumn Term 2

Week	8	9	10	11	12	13	14	15	16
W/B:	23rd Oct	30th oct	6th Nov	13th Nov	20th Nov	27th Nov	4th Dec	11th Dec	18th Dec
Year 7	Unit B - Numb	Unit B - Number System							Assessments
Year 7	Unit J - Probability			Unit C - Indices				Unit D - Equations	
Year 7	Unit J - Probability		Unit C - Indices				Unit D - Equations		
Year 7	Finish Kangaroo SoL			Mock Exams		Bespoke SoL			Unit D - Equations

Spring Term 1

Week	17	18	19	20	21	22
W/B:	8th Jan	15th Jan	22nd Jan	29th Jan	5th Feb	12th Feb
Year 7	Unit D - Equation	Assessments	Unit D - Equations		Unit G - Graphs and Sequences	
Year 7	Unit D - Equations		Unit G - Graphs and Sequences			
Year 7	Assessments	Unit D - Equations	Unit G - Graphs and Sequences			
Year 7	Bespoke SoL		Mock Exams			

Spring Term 2

Week	23	24	25	26
W/B:	26th Feb	4th March	11th March	18th March
Year 7	Unit G - Graphs and Sequences			
Year 7	Unit G - Graphs and Sequences		Unit E - Proportion	
Year 7	Unit E - Proportion		Unit E - Proportion	
Year 7	Bespoke SoL			

Summer 1

Week	27	28	29	30	31	32	33
W/B:	8th April	15th April	22nd April	29th April	7th May	13th May	20th May
Year 7	Unit E - Proportion	Unit K - Handling Data		Unit F - Mensuration			
Year 7	Unit K - Handling Data		Unit F - Mensuration				
Year 7	Unit K - Handling Data		Unit F - Mensuration				
Year 7	Unit E - Proportion	Unit K - Handling Data	Unit F - Mensuration	16th-Paper1	Bespoke Revision		

Summer 2

Week	34	35	36	37	38	39
W/B:	3rd June	10th June	17th June	24th June	1st July	8th July
Year 7	Financial Mat	Unit F				
Year 7	Financial Mat		Unit I - Angles			
Year 7	Financial Mat		Unit I - Angles		Unit H	
Year 7	Financial Mat		Unit I - Angles			

Whilst the above plan is highly detailed, teaching and learning can take varying lengths of times; so the exact dates of moving onto different units may vary by small amounts.

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 1st 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^{ce} per week;
- totalling 30-60mins.
- Closer to 30 mins for KS3, and closer to 60mins for KS4.
- This should be checked also 1^{ce} 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 2nd 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

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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 31st January, 2024.

The Junior Maths Challenge (JMC) is aimed at Years 7-8 and will take place on/around Thursday 25th 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 2nd week of term. Students are then placed in sets 1-3.

Setting is reviewed after every 2nd 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.

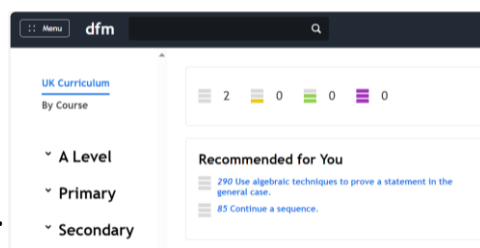KIBWORTH MEAD
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Revision

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.