

St Alban's – Mathematics

Rob Silk – Head of Faculty



GCSE Mathematics

Edexcel Higher Tier (Grades 3-9)

Sets 1, 2 & 3*

(*All students in set 3 are currently all entered for Higher but this may be changed to Foundation if there is insufficient evidence that students are working at the Higher level required)

Edexcel Foundation Tier (Grades 1-5)

Sets 4, 5 & 6



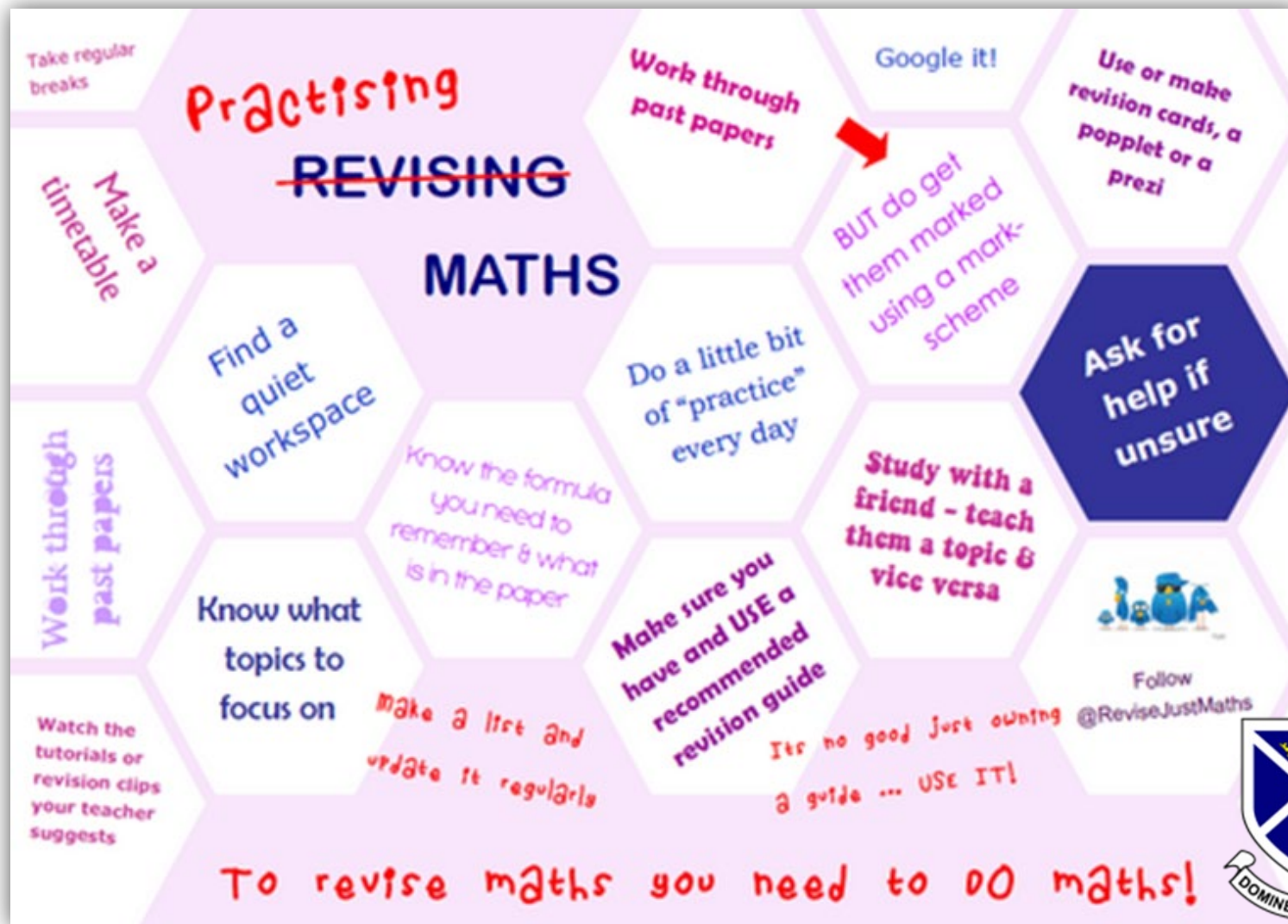
Exam Format

- 100% Exam
- 3 x Papers
 - 1 hour 30 minutes each
 - Paper 1 – Non calculator
 - Paper 2 – Calculator
 - Paper 3 – Calculator


PPEs will follow the exact same format



How to improve at Maths











Maths – What are the best resources for students?

-  **hegartymaths**
 - Topic specific revision, videos and quizzes.
- **IpswichMaths.co.uk & MathsGenie.co.uk**
 - Past Papers, mark schemes, video screencasts
- **StAlbansMaths.co.uk**
 - Links to loads more useful websites and resources






Top hegartymaths Features


<input type="text" value="Search HegartyMaths"/>	 Revise	 My tasks		 My scores	Emma 
<h2>Student help & resources</h2>				 Student help & resources	
				 Contact us	
				 Logout	


Type a topic number
or topic name here


URL - www.hegartymaths.com


Top hegarty**maths** Features


 Revise


 My tasks




 My scores

Emma 

 Student help & resources

 Contact us

 Logout

Student help & resources



Revision resources

GCSE skills revision sheets (All boards)

- GCSE Higher ([Word](#) | [PDF](#))
- GCSE Crossover ([Word](#) | [PDF](#))
- GCSE Foundation ([Word](#) | [PDF](#))

URL - www.hegartymaths.com

Top hegartymaths Features



Foundation Skills List

Number

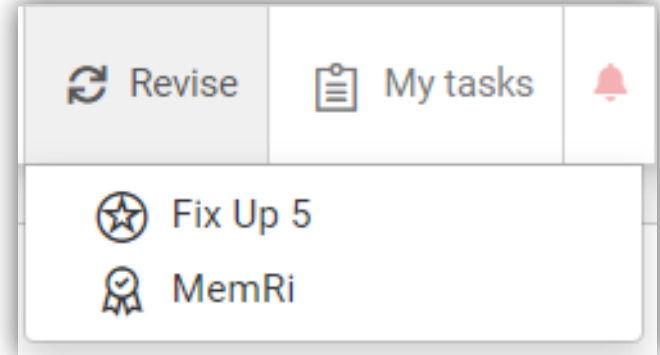
Topics	Clip Number	R	A	G
Ordering positive integers	13, 14			
Ordering negative integers	37			
Ordering decimals	45, 46			
Ordering fractions	60			
Addition and subtraction of positive integers	18, 19, 20			
Multiplication and division of positive integers	21, 22, 23, 144, 145			
Addition and subtraction of negative integers	38, 39, 40, 41			
Multiplication and division of negative numbers	42, 43			
Addition and subtraction of decimals	47			
Multiplication and division of decimals	48, 49, 50, 51, 135, 136			
Addition and subtraction of fractions	65, 66			
Multiplication and division of fractions	67, 68, 69, 70, 71, 72			
Place value: multiplying and dividing by 10	15, 16			
Order of operations	24, 44, 120, 150			
Prime numbers, prime factorisation	28, 29, 30			
Factors, multiples, HCF and LCM	27, 31, 32, 33, 34, 35, 36			
Powers and roots	99, 100, 101			

URL - www.hegartymaths.com

Top hegartymaths Features

Fix Up 5 Quizzes

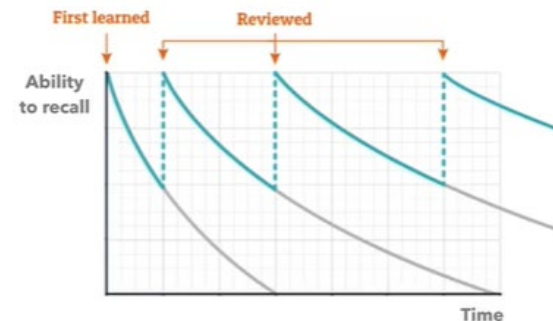
- Fix Up 5 will give students 5 questions they previously got wrong, to repeat and improve on.



MemRi Quizzes

- MemRi quizzes are made up of 10 questions students answered correctly before.
- This 'retrieval practice' is proven to be a highly effective revision tool

1) Time-spaced practice (with ever increasing time periods)



URL - www.hegartymaths.com

ipswichmaths.co.uk

Edexcel 1M

Scroll across for

AQA 8300 Foundation

AQA 8300 Higher

Edexcel 1MA0 Foundation

Edexcel 1MA0 Higher

Edexcel 1MA1 Foundation

Edexcel 1MA1 Higher

OCR J567 Higher

OCR J567 Foundation

OCR J560 Foundation

OCR J560 Higher

Paper 1F (non-calc) screencasts

Paper 2F (calc)

2018 Nov 1F screencasts

2018 Nov 2F screencasts

2017 June 1F screencasts

2017 June 2F screencasts

2017 June 3F screencasts

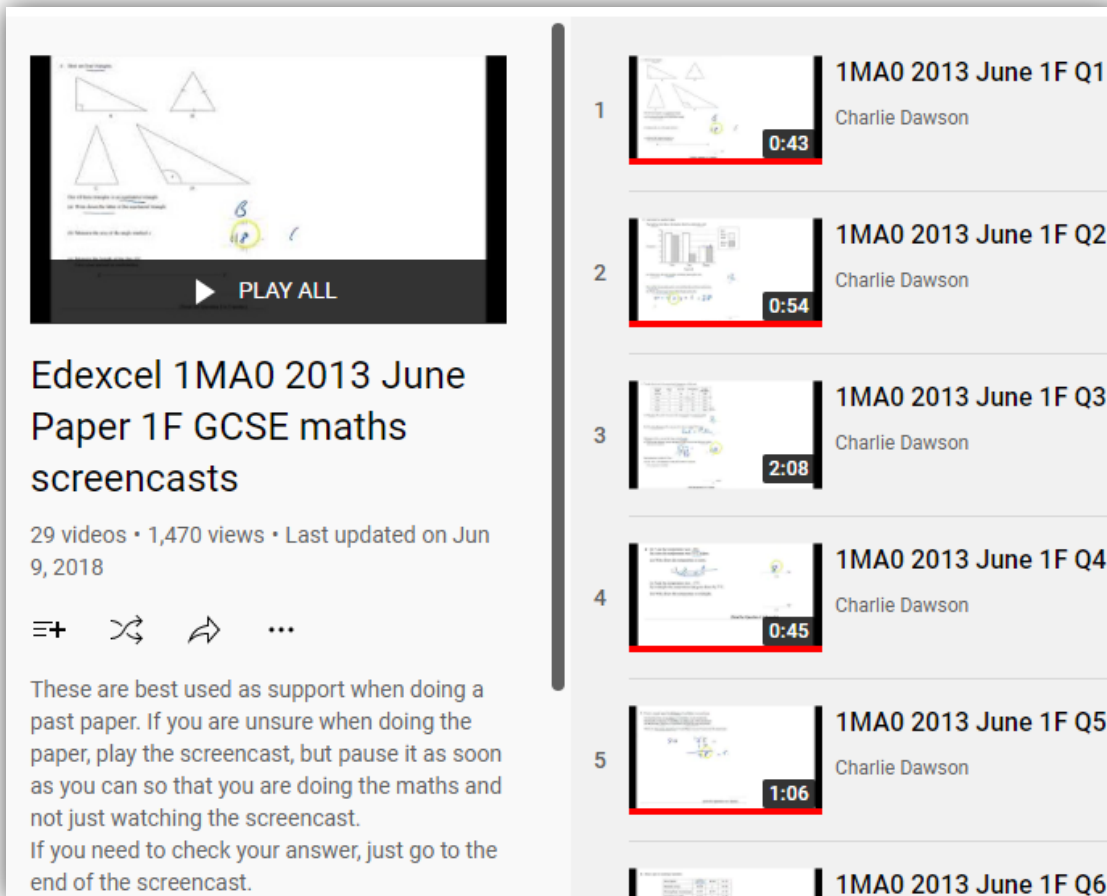
Screencasts explain how to answer unattempted or incorrect answers

Screencasts for Past Paper Practice

1) Students should attempt as much of a paper as possible **without** any help.

2) They should then fully mark the papers.

3) Then they should watch the video screencasts for the questions which were unattempted or incorrect, writing the solutions in a **green pen**.



The screenshot shows a YouTube video player interface. The main video area displays a thumbnail of a math problem involving triangles and a 'PLAY ALL' button. Below the video, the title 'Edexcel 1MA0 2013 June Paper 1F GCSE maths screencasts' is visible, along with statistics: '29 videos • 1,470 views • Last updated on Jun 9, 2018'. There are icons for menu, share, and other actions. A description follows, advising that the screencasts are best used as support when doing a past paper, suggesting to pause and attempt the questions first. To the right of the main video, a list of six individual screencasts is shown, each with a thumbnail, a duration, and the creator's name 'Charlie Dawson'.

Number	Thumbnail	Title	Duration	Creator
1		1MA0 2013 June 1F Q1	0:43	Charlie Dawson
2		1MA0 2013 June 1F Q2	0:54	Charlie Dawson
3		1MA0 2013 June 1F Q3	2:08	Charlie Dawson
4		1MA0 2013 June 1F Q4	0:45	Charlie Dawson
5		1MA0 2013 June 1F Q5	1:06	Charlie Dawson
		1MA0 2013 June 1F Q6		

Most weekly homeworks will be a past paper.

www.StAlbansMaths.co.uk



ST. ALBAN'S MATHS DEPARTMENT

Learning, Respecting, Caring

[Home](#) [GCSE](#) [GCSE FM](#) [A Level](#) [A Level FM](#) [Year 7](#) [Core Maths](#)

GCSE Mathematics (Edexcel)

For Students

[Formulae to Memorise!](#)

[Exam Papers](#)

[UKMT Maths Challenge](#)

[Year 11 Session 5s](#)

[Year 11 Homeworks](#)

[Recommended Maths Books](#)

[Edexcel Specification](#)

Revision

[Hegarty Maths](#)

[Corbett Maths](#)

[MyMaths](#)

[PIXL Maths](#)

[Ipswich Maths Screencasts](#)

[GCSE Topic Checklists](#)

[Revision Guide Answers](#)

Teachers Documents

[Modules](#)

[Starters & Homeworks](#)

[Extension & Challenge](#)

[Diagnostic Questions](#)

[Variation Theory \(Example Pairs\)](#)

[Other Resources](#)

[Spreadsheets \(AWL, SOW...\)](#)

[Assessments](#)

After the Pre-Public Exams

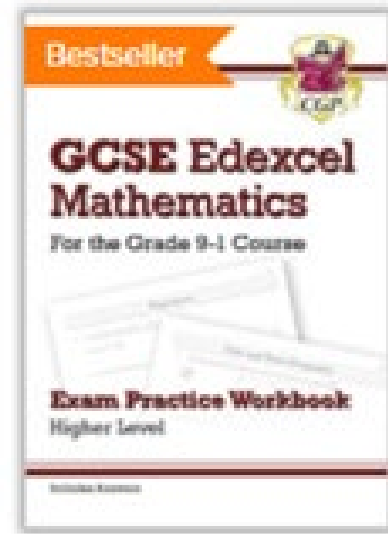
Effective Intervention after PPEs

- Using the PPE Analysis sheets to 'fix' topics using 
- These will be emailed to all students and all parents

Questions	Question Title	Score			Clip Number
1	Convert fractions to percentages	1	/	1	76
2	Round decimal numbers	1	/	1	56
3	Index form	1	/	1	102
4	Place value	0	/	1	13
5a	Converting length	1	/	1	692
5b	Converting capacity/volume	1	/	1	698
5c	Converting mass	0	/	1	695
6	Factors, multiples, odd and even numbers	3	/	3	27, 33, 25
7	Systematic listing	2	/	2	670
8	Money	3	/	5	744, 745
9a	Speed	2	/	2	716
9b	Speed	2	/	2	719
10a	Prime numbers	2	/	2	28
10b	Prime numbers	0	/	1	28
11a	Collect like terms, solve 1-step equations	1	/	1	156, 178
11b	Solve 1-step equations	1	/	1	178
11c	Solve 2-step equations	1	/	1	179
12	Pie charts	1	/	3	427
13	Probability of an event not happening	2	/	2	353
14	Frequency trees	3	/	3	368
15a	Angles in a triangle	0	/	1	486
15b	Alternate angles	0	/	1	481
16	Data collection sheets (tally charts)	3	/	3	401

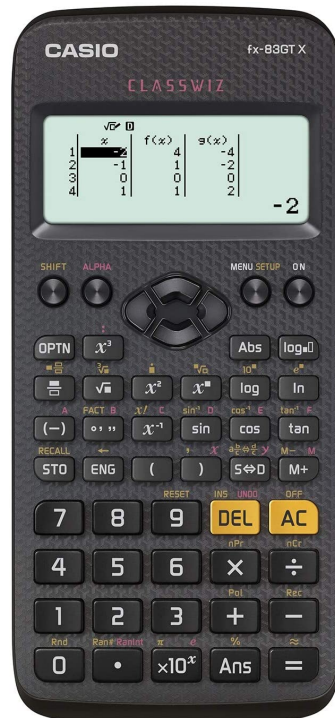
Maths – Support

- **Maths revision sessions**
 - **Every Monday** after school in maths classrooms
- **CGP Practice Workbooks**
 - Available to buy on ParentMail



Maths Equipment Needed

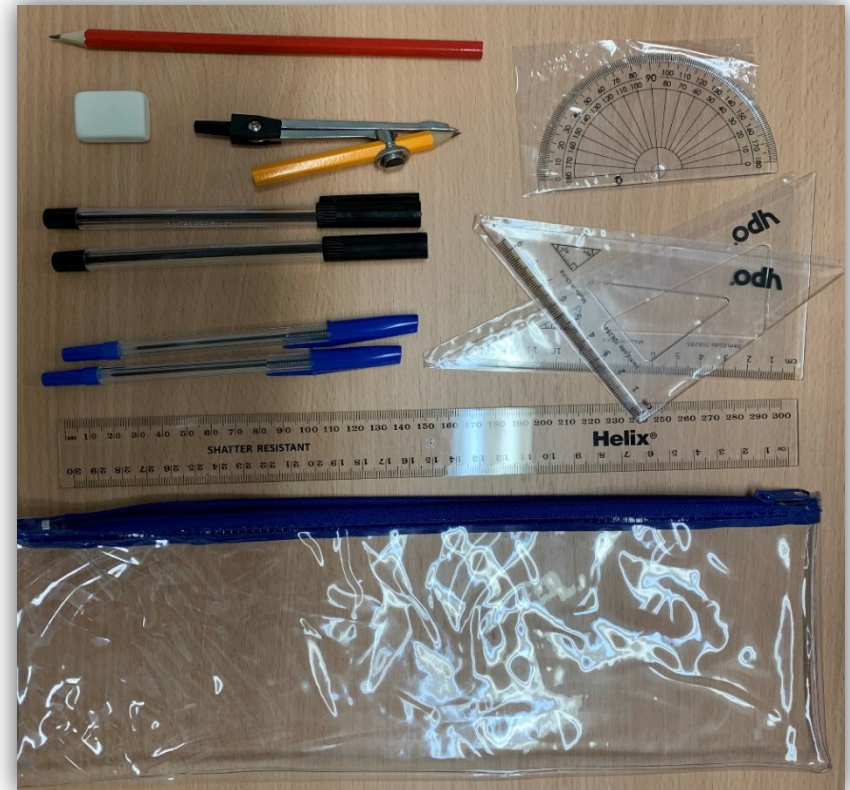
- Calculator
(recommended *Casio FX-83GTX*)
- Pen & Pencil
- Ruler
- Rubber
- Pair of Compasses
- Protractor
- Clear Pencil Case



Can be purchased from
ParentMail. Delivered to
form room.

£3 – without calculator

£12 – with calculator



Thank you for your support

If you have any questions or need any help, please
feel free to email



ipswichmaths



ST. ALBAN'S MATHS DEPARTMENT

Learning, Respecting, Caring