

GCSE Maths Workshop

Objective:

To discuss effective ways to revise for GCSE Maths and the support that is available during Year 11.

Exam Dates

21st May – Paper 1 (Non-Calc)

6th June – Paper 2 (Calc)

11th June – Paper 3 (Calc)

Each paper is in the morning

Each paper is 1.5 hours long

Each paper is worth a total of 80 marks

21st May – Paper 1

222 days

about 25 school weeks

about 60 maths lessons

about 75 hours

about 3 days

Success is an iceberg

SUCCESS!

WHAT PEOPLE SEE

Persistence



Failure



Sacrifice



Disappointment



WHAT PEOPLE DON'T SEE

Dedication



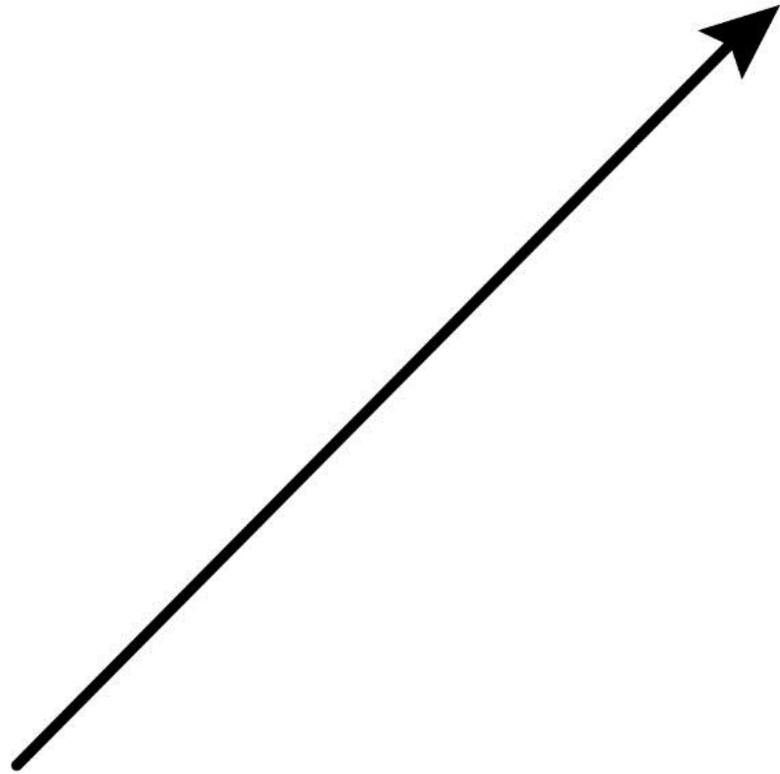
Hard work



Good habits

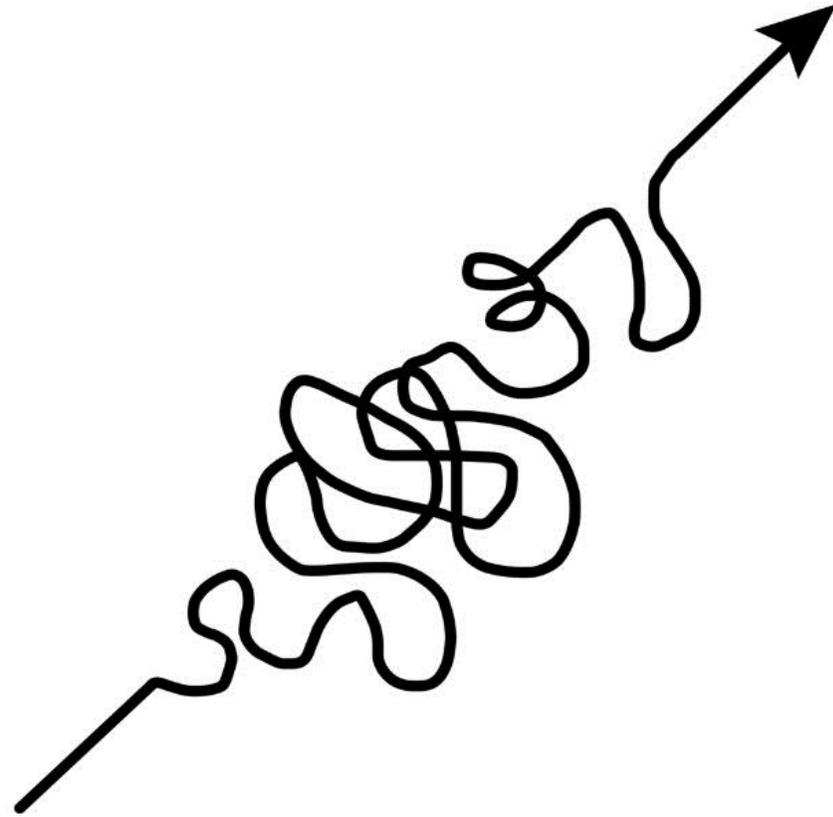


SUCCESS



what people think
it looks like

SUCCESS



what it really
looks like

Revision Strategies and pitfalls

- You get better at maths by doing maths
- Avoid distractions (phones/internet)
- Past Papers – don't just answer the easy questions!

Revision Strategies and pitfalls

- Beware of procrastination/low impact revision strategies e.g.
 - Posters/Mind maps/Flash cards
 - Reading revision guides
 - Re-writing examples
 - Choosing to revise topics you can already do
- Revise in short bursts
 - 2 x 20 minute sessions with a 20 minute (active) break in the middle is proven to be more effective than a 1 x hour session
- Set goals, have a plan – what do you want to achieve?

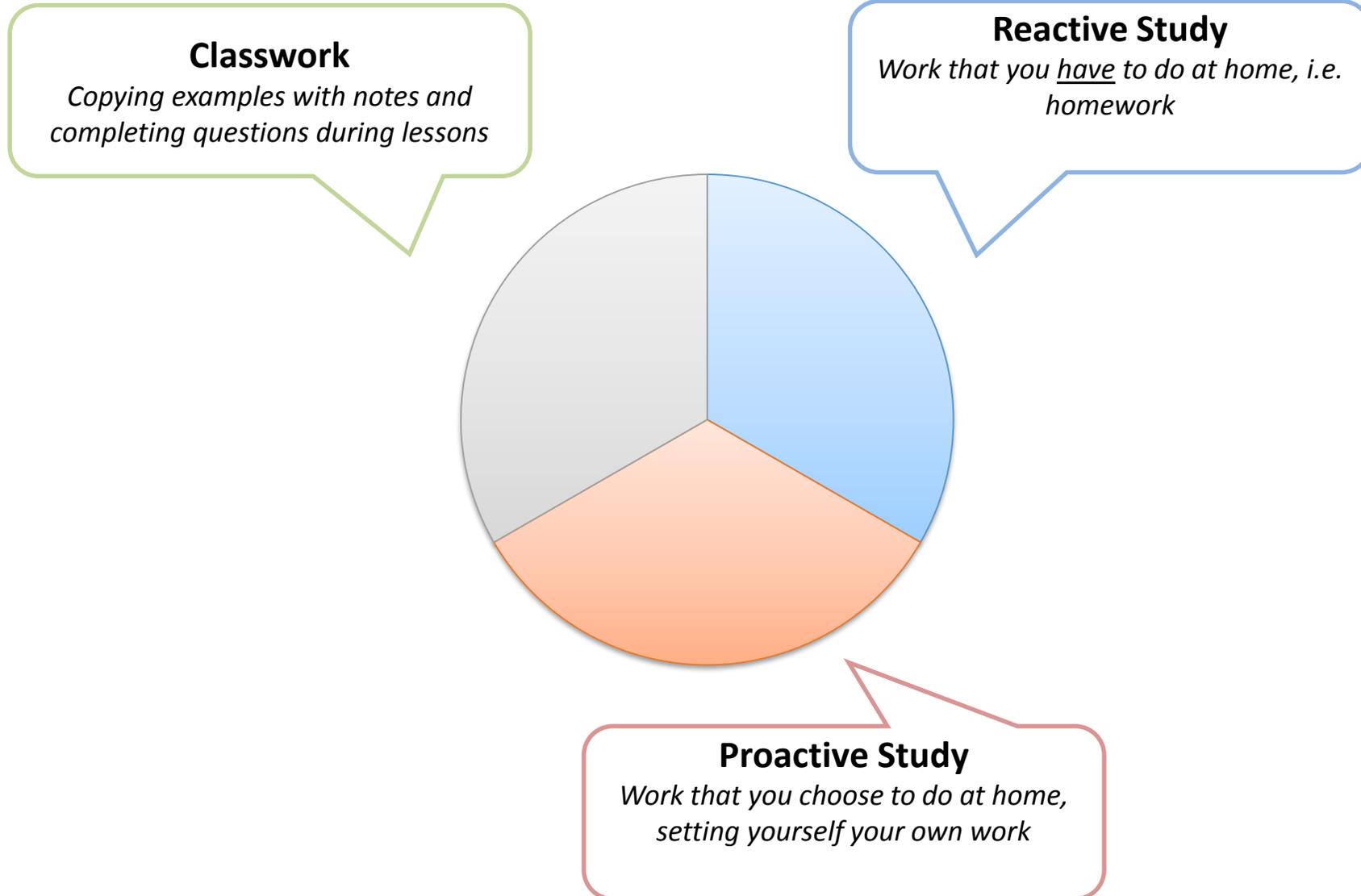
Revision Strategies and pitfalls

- Should you revise 3 easier topics or 1 harder topic?
- Vary your revision
- Striking the right balance (continue with your hobbies)
- Rewards

Mind Map



Types of Work



Websites

- MathsWatch (<https://vle.mathswatch.co.uk/vle/>)
 - Videos
 - Easy to navigate
 - Easy to access worksheets
 - Interactive Quizzes
 - Records progress
 - Homework quizzes (these can be printed out)
 - List of clips (see separate handout)



Excellent in the run-up to the exams

Automatically marked check-up questions

Printable follow-up questions



Clip 56 Area of a Trapezium

One Minute Maths Interactive Questions Worksheet Find a Clip

Clip 56

AREA OF A TRAPEZIUM

03:01

Qualification: GCSE
Tier: All
Grade: All
Topic: All
Search: area

Choose Clip (10)

Clip	Title
54	Area of a Triangle
55	Area of a Parallelogram
56	Area of a Trapezium
114a	Surface Area of Cuboids
114b	Surface Area of Triangular Prisms
117	Area of a Circle
200	Similarity - Area and Volume
203	Area of a Triangle Using Sine
216a	Velocity-Time Graphs

Websites

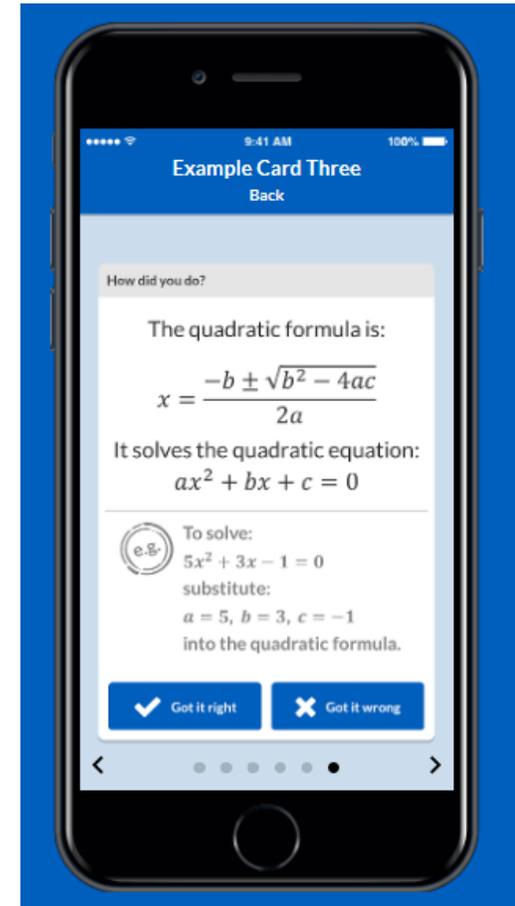
- CorbettMaths (<https://corbettmaths.com/>)
 - 5-a-day
 - Past papers
 - Videos
 - Worksheets (QR codes)
 - Answers!
- Mathsgenie (<https://www.mathsgenie.co.uk/>)
 - Past papers with solutions (hand-written and video)
 - Exam packs

Websites

- Homework Diary (www.hwdiary.com)
 - List of MathsWatch clips
 - Upload practice papers
 - Mock exam answers
 - Improvement Work

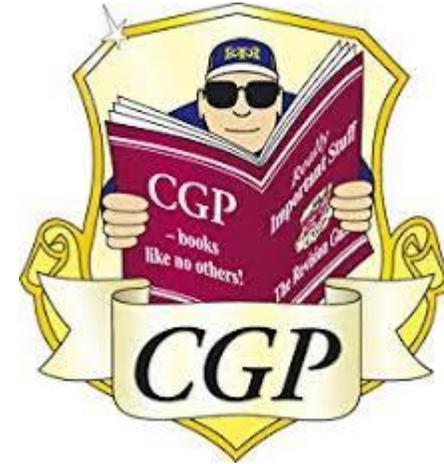
Websites

- Flash Cards (<https://www.keycardsrevision.co.uk/>)
 - Over 300 ready made flash cards
 - Helps to memorise facts and formulae
 - Quick and easy to use
 - Spaced repetition
 - £1.99



Revision Resources

Available to buy today



Available on buy on Parent Pay

– please read the description carefully (Higher or Foundation)

Feedback Form: Higher November Mock

Target Grades **789**
 Total Score **147**
 Grade **7**

Grade Boundaries

The following are the grade boundaries for the paper that has been completed, grade boundaries tend to fluctuate from paper to paper

Grade 3: 35 Grade 4: 58 Grade 5: 84 Grade 6: 115 Grade 7: 140 Grade 8: 160 Grade 9: 174

Non-Calculator Paper

Q	Topic	Marks	RAG	Target?	Improved?
1	Scaling Recipes	3/3	1.00		
2	Find missing angles in triangles	3/3	1.00		
3	Substitute in to a formula in words	5/5	1.00		
4	Division in context	3/3	1.00		
5	Draw a Pie Chart	3/3	1.00		
6	Substitute negatives in to an expression	2/2	1.00		
7	Draw and use Two-Way tables	4/4	1.00		
8	Calculate using Exchange Rates	2/2	1.00		
9	Fractions and Percentages of amounts	4/4	1.00		
10	Calculate using Speed, Distance and Time	1/4	0.25		
11	Percentage decrease	1/3	0.33		
12	Plot equations of non-linear graphs	6/6	1.00		
13	Read IQR from Box Plots and compare	3/6	0.50		
14	Draw and calculate using a Venn Diagram	4/6	0.67		
15	Solve simultaneous equations	3/3	1.00		
16	Understanding $y=mx+c$	3/3	1.00		
17	Use similar shapes to calculate missing lengths	3/3	1.00		
18	Area problem	5/5	1.00		

Mock Exam Analysis

Question Level Analysis (QLA)

Improvement Work



Qu	Non Calc	MathsWatch	Improvement
1	Order integers, decimals and fractions	13	 A dobe A crobat Document
2	Use the language of probability on a probability scale	40	 A dobe A crobat Document
3	Add and subtract integers in context	16	 A dobe A crobat Document
4	Sequences (working out next term, explaining if numbers are in a sequence)	29	
			

Wednesday Support Sessions

- Bring work with you so you get help on what you need
- Chrome books will be available

Proactive Study Guidance

See booklet