

How to support learners with Maths

Year 11

Session objective:

- To know the expectations of students in completing Maths revision homework
- To be made aware of resources available to students to support them outside of lessons
- To know where to find helpful resources to support with revision/homework

About the course

- Exam board: Edexcel
- Qualification: GCSE
- Grading system: 1 – 9
- Assessment: 3 exam papers in June 2017 (1 non-calculator, 2 calculator papers). Each paper is 1 hour 30 minutes.

Levels

- Foundation tier covers 1 – 5
- Higher tier covers 4 – 9
- All students therefore have access to the '5' that is the benchmark for further education
- We may have a clearer picture as to grade boundaries in the next few months e.g how many marks for a 5 in a higher or foundation paper.
- **IMPORTANT** – a 5 is the same in either paper!

How to help your child at home

- Don't worry if you show a different method – seeing different approaches helps students select their preference
- Methods are always important – encourage students to do their working out in books and not on paper. The answer is only half the story and it is important we see how students get their answers (right or wrong)

Helpful Resources

- Maths Watch DVD – explains methods as well as giving written examples and questions to try
- CGP revision guides
- My Maths – online lessons with homework give worked examples

How to get the most out of My Maths

- Work through the booster packs on My Maths – select the level most appropriate and work through the lessons and online tasks (login to do this and it keeps a record of scores)

Booster Packs

 **Three Boosters**

 **Four Boosters**

 **Six Boosters**

 **Ds to Cs**

 **Cs 2 Bs**

 **A 2 A Star**

Resources

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Booster Packs

Statistics GCSE

A Level

Games

Toolkit

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Integrate

AssessmentManager

- Arithmetic >
- Numbers and Powers >
- Decimals >
- Fractions >
- Frac Dec Perc >
- Ratio >
- Expressions >
- Sequences, Formulae >
- Equations >
- Coordinates, Graphs >
- Angles >
- Transformations >
- Area and Perimeter >
- Volume and 3D Shapes >
- Measures >
- Constructions >
- Pythagoras >
- Averages >
- Graphs and Charts >
- Probability >

The D2C Pack is for Foundation GCSE students who are aiming for grade C. The pack is also ideal for KS3 students wishing to get up to Level 7.

Booster Packs

 **Three Boosters**

 **Four Boosters**

 **Six Boosters**


 **Ds to Cs**

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 **A 2 A Star**

Search

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- Statistics GCSE**
- A Level**
- Games**
- Toolkit**

My Portal 

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- 6** **Angles in Parallel Lines** **fh**
Alternate angles, supplementary angles and corresponding angles on
- 6** **Interior Exterior Angles** **fh**
Internal and external angles of polygons.
- 4** **Lines and Quadrilaterals** **f**
Parallel and perpendicular lines. Properties of quadrilaterals.
- 4** **Reasoning** **f**
Looking for angle properties in well known shapes.
- 6** **Angle Proofs** **fh**
Formal proofs of angle theorems such as angles in a triangle,
- 5** **Bearings** **fh**
Plotting and measuring three figure bearings. Bearings help ships and
- Revise Angles** **Revision Lesson**
Get some more help with Angles
- Angles - OW** **Online Worksheet**
4 Pages of Questions to test your skills. Good Luck

How to get the most out of My Maths

- Work through the booster packs on My Maths – select the level most appropriate and work through the lessons and online tasks (login to do this and it keeps a record of scores)
- Aim to complete 1 each week. Over the academic year, that means 38 tasks have been completed. Over the GCSE course, 76 tasks will have been completed.

Outside of lessons

- After each test, identify topics where you lost the most marks. Use notes in exercise books, revision guides, Maths Watch DVD, My Maths etc.... to revise those topics. Re-test after by doing the question again.
- Complete questions under exam conditions – set a time and a set number of questions.
- Do questions together – compare methods after

Mr Barton Maths

- <http://www.mrbartonmaths.com>

The resources on this page are designed to help you prepare independently for your success at maths is to do maths. Choose the resources that support your prepared structured revision programme around this that you can stick to, and watch your confidence!

Happy revising - it will be worth it in the end!

mr barton

Teachers Pupils

A treasure trove of free maths resources

The aim of this website is to get the fancy resource to spice up your lessons to get involved in your child's learning. Our cookie policy, please click [here](#)

Mr Barton Maths Blog

Which gives the biggest answer?
The following resource has been kindly made available to access all the lovely R...
Jul 9, 2016 6:36:00 AM GMT

Numeracy Workout: TES Maths Resources
The following resource has been kindly made available to access all the lovely R...
Jul 2, 2016 8:20:59 AM GMT

Grade C and above Topics				
51. Percentages	Video	Answers	DQ Quiz	Mathster Quiz
52. Product of Prime Factors, HCF and LCM	Video	Answers	DQ Quiz	Mathster Quiz
53. Using Place Value	Video	Answers	DQ Quiz	Mathster Quiz
54. Negative Numbers	Video	Answers	DQ Quiz	Mathster Quiz
55. Estimation	Video	Answers	DQ Quiz	Mathster Quiz
56. Utility Bills	Video	Answers	To Do	Mathster Quiz
57. Collecting Like Terms	Video	Answers	DQ Quiz	Mathster Quiz
58. Expanding and Factorising	Video	Answers	DQ Quiz	Mathster Quiz
59. Solving Equations	Video	Answers	DQ Quiz	Mathster Quiz
60. Changing the Subject of a Formula	Video	Answers	DQ Quiz	Mathster Quiz
61. Inequalities	Video	Answers	DQ Quiz	Mathster Quiz
62. Trial and Improvement	Video	Answers	DQ Quiz	Mathster Quiz
63. Index Notation	Video	Answers	DQ Quiz	Mathster Quiz
64. Forming and Solving Equations	Video	Answers	DQ Quiz	Mathster Quiz
65. Sequences	Video	Answers	DQ Quiz	Mathster Quiz
66. Drawing Straight Line Graphs	Video	Answers	DQ Quiz	Mathster Quiz
67. Solving Simultaneous Equations Graphically	Video	Answers	DQ Quiz	Mathster Quiz
68. Drawing Quadratic Graphs	Video	Answers	DQ Quiz	Mathster Quiz
69. Distance, Time Graphs	Video	Answers	DQ Quiz	Mathster Quiz
70. Pythagoras Theorem	Video	Answers	DQ Quiz	Mathster Quiz
71. Surface Area	Video	Answers	DQ Quiz	Mathster Quiz
72. Volume of a Prism	Video	Answers	DQ Quiz	Mathster Quiz
73. Volume and Surface Area of a Cylinder	Video	Answers	DQ Quiz	Mathster Quiz
74. Similar Shapes	Video	Answers	DQ Quiz	Mathster Quiz
75. Compound Measures	Video	Answers	DQ Quiz	Mathster Quiz
76. Loci and Constructions	Video	Answers	DQ Quiz	Mathster Quiz
77. Bearings	Video	Answers	DQ Quiz	Mathster Quiz
78. Probability and Relative Frequency	Video	Answers	DQ Quiz	Mathster Quiz
79. Averages from Frequency Tables	Video	Answers	DQ Quiz	Mathster Quiz
80. Questionnaires	Video	Answers	DQ Quiz	Mathster Quiz
81. Functional Maths Questions	Video	Answers	DQ Quiz	Mathster Quiz

Solutions

Way!

ssports

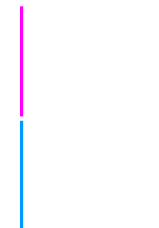
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DS

maths

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How to use Takeaway Maths

- Complete a Takeaway Maths booklet each week
- Focus on securing lower grade topics to start with
- Familiarity with exam questions means there shouldn't be anything unexpected in future exams
- Complete paper – mark it – bring it in and show to teacher.
- Teachers will keep a record of completed papers – these will be rewarded with raffle tickets for stand down day

Revision Guides

- To be ordered in September – please put name down if you are interested in an all in one guide – price to be confirmed but will be a lot cheaper than RRP.

Practice makes perfect!

- Maths revision is about doing.
- The more questions answered, the more familiar the wording of exam questions becomes.
- Highlight key words in questions – discuss what the question is asking
- Practise structuring working out – does the working out make sense? Does it flow in a logical way? Does the working out warrant the number of marks available?

Useful websites

- www.mymaths.co.uk
- <http://studymaths.co.uk/gcsequestions.html> - this website has lots of questions to answer
- <http://www.bbc.co.uk/schools/gcsebitesize/maths/>
- <http://www.mrbartonmaths.com/pupils.htm>

Questions?