



H.T.C.S. Mathematics Faculty
Revision Support Booklet

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1. General Information

All students follow the AQA GCSE mathematics specification. There are two tiers available. Foundation allows students to achieve Grade 1-5, Higher allows students to achieve Grade 3-9. Each tier is assessed by 3 x 1hr 30 min papers. Paper 1 is non-calculator and Paper 2 and 3 are calculator papers. Each paper is 80 marks.

Key Dates

March Forecast Examinations

Paper 1 – 12th March 2018 a.m.

Paper 2 – 14th March 2018 a.m.

Paper 3 – 16th March 2018 a.m.

GCSE Examinations

Paper 1 – 24th May 2018 a.m.

Paper 2 – 7th June 2018 a.m.

Paper 3 – 12th June 2018 a.m.

In preparation for sitting these examinations all students should be completing a minimum 2 hours per week independent study, focussing initially on their areas of weakness identified from their November Forecast examinations and subsequently from areas of weakness identified from their March Forecast examinations. There are many websites available to support students do this and the following pages detail some of the better ones, with screenshots included to assist your child access these. I have chosen Trigonometry as an example to illustrate. Finally Revision Guides and workbooks are available to purchase from Mrs Dixon in B12 for £3.50 each.

2. MrBartonMaths

Mr Barton Maths – Trigonometry

Click or copy the following link

<http://mrbartonmaths.com/students/legacy-gcse/gcse-maths-takeaway.html>

scroll down until you see this

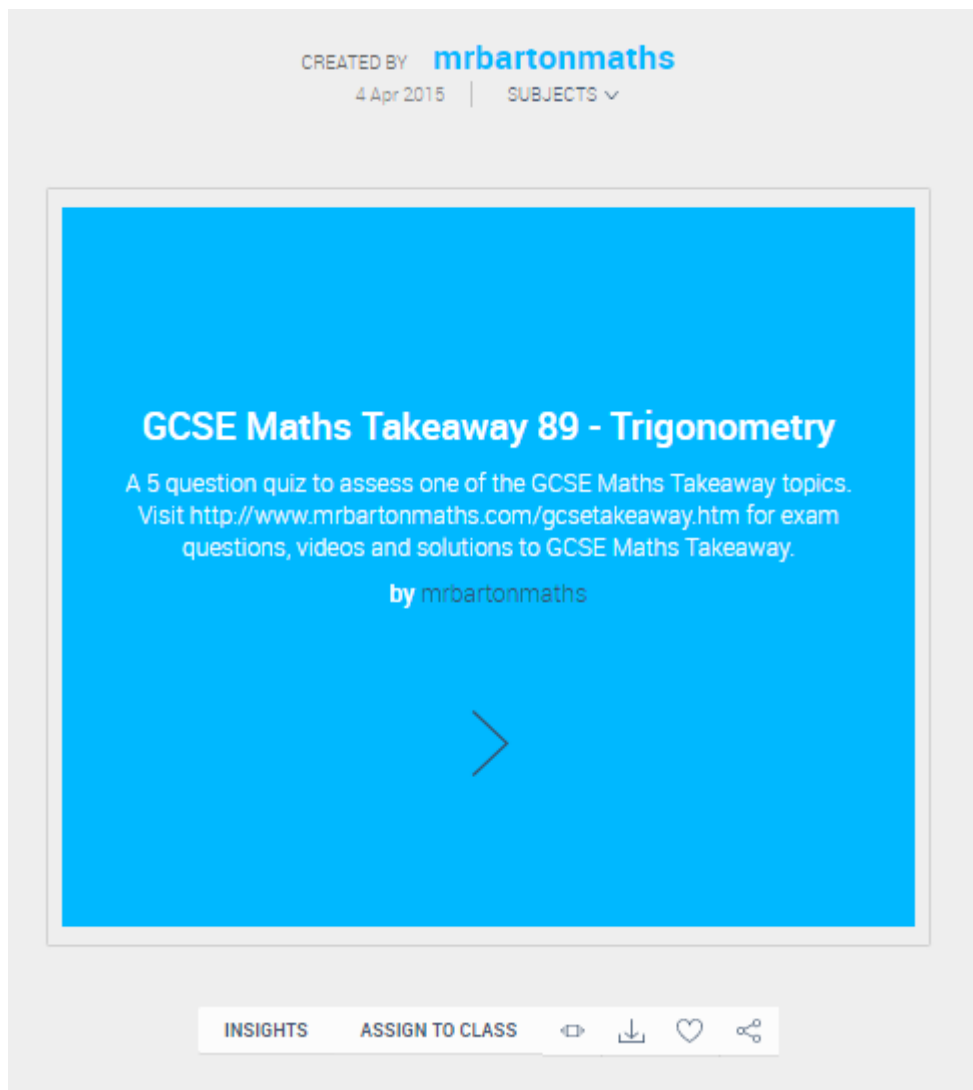
Geometry and Measures

Name	Video	Answers	DQ Quiz
77. Distance Time Graphs	Video	Answers	DQ Quiz
78. Pythagoras Theorem	Video	Answers	DQ Quiz
79. Surface Area	Video	Answers	DQ Quiz
80. Volume of a Prism	Video	Answers	DQ Quiz
81. Volume and Surface Area of a Cylinder	Video	Answers	DQ Quiz
82. Similar Shapes (length scale factor)	Video	Answers	DQ Quiz
83. Compound Measures	Video	Answers	DQ Quiz
84. Loci and Construction	Video	Answers	DQ Quiz
85. Bearings	Video	Answers	DQ Quiz
86. Trigonometry	Video	Answers	DQ Quiz
87. Area and Perimeter	Video	Answers	DQ Quiz
88. Area and Perimeter	Video	Answers	DQ Quiz



My favourite, this website covers all topics. Topics are grouped into tier of entry and area of maths (Number, Algebra etc.). There are links to videos, booklets with plenty of exam practise and worked solutions are provided. It also includes links to Diagnostic Questions which, again, is a great revision tool for students. If students click the link to DQ Quiz they will be redirected to.....

3. Diagnostic Questions



Diagnostic questions are great and FREE! Students can sign up, join their class and access thousands of multi choice questions designed to identify misconceptions. A great feature of DiagnosticQuestions is their 100day countdown revision streams. All students will be assigned these and they consist of 2 questions a day for 100 days leading up to their exam. Class teachers can access insights from students responses to monitor who got what right and more importantly who went wrong and why. Students can access these through the App on their mobile device or through the internet. The 100 day countdown begins on February 13th so please ensure your child is logging on every day.

4. CorbettMaths

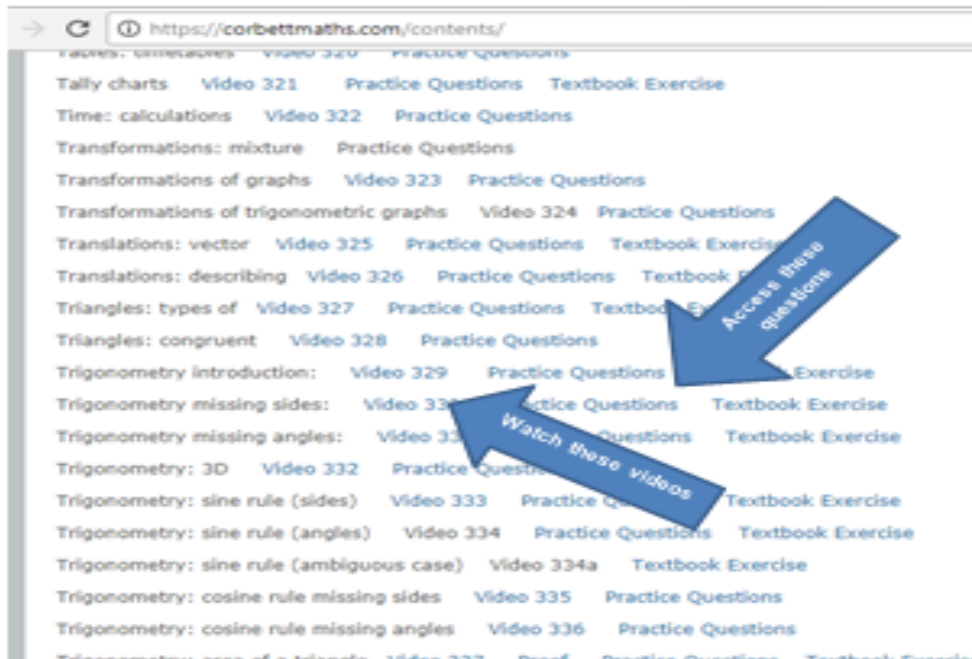
Corbett Maths – Trigonometry

Log onto:

<https://corbettmaths.com/>

Click on Videos

Titles – Trigonometry Videos 329-332



Remember to find one of these checkpoints on the webpage so you can toggle to answers to check your work

Standard form Video 300 Practice Questions T

Click here for answers

Standard form: addition Video 301 Practice Questions

Another favourite! Very similar to MrBartonMaths in that you can access videos, questions and solutions all in one place. It has comprehensive coverage of topics and they are listed alphabetically making it one the easiest to navigate to find what you are looking for.

5. GCSEPod

GCSEPod – Trigonometry

Log onto:

<https://www.gcsepod.com/>

Departments – Maths

Subjects – Maths

Topics – Geometry & Measures

Titles – Trigonometry

MATHS/GEOMETRY & MEASURES
TRIGONOMETRY



GCSEPod®
Authors: Grace Holland
Narrators: Anabella Arnold and Gareth Williams

PODS

Pythagoras' Theorem	10:04:21	5	☆
Trigonometry in Right-angled Triangles	10:04:21	5	☆
Exact Values	10:04:21	5	☆
Sine Rule (Higher Only)	10:04:21	5	☆
Cosine Rule (Higher Only)	10:04:21	5	☆
Area Formula (Higher Only)	10:04:21	5	☆
3D Trigonometry (Higher Only)	10:04:21	5	☆

Share this title:

EMAIL   

If the person you are sending this to does not have a GCSEPod account they will not be able to view the Pods

DURATION: 31 MINS

ADD THIS TITLE TO MY DOWNLOADS

ADD THIS WHOLE TOPIC TO MY DOWNLOADS

Works on iOS, Android and Blackberry

Watch this pod

Students have their own unique logins to access GCSEPod. It contains a lot of short 'pods' covering the whole range of content. It is great for short recaps but there aren't then questions and solutions to access to practise what has been revised. It can, at times, be difficult to find the topic you are looking for as there are several submenus.

6. JustMathsOnline

Just Maths online – Trigonometry: Finding Side (Clip 42) and Finding Angle (Clip 43)

Click or copy this address into your web browser

<https://online.justmaths.co.uk/>

Log in with Username: HighTunstallStudent

Password: HighTunstall

(case sensitive)



This website has lots of topics available with practise questions, model solutions and video solutions to walk students through solving the problems. It's great to focus on crossover topics (those that appear on both Higher and Foundation papers). Sometimes, it can be tricky for students to find the topic they are interested in covering.

7. Contact Us

Please contact us if there is anything we do to help. This may include asking which units to be concentrating on or where to find them on which websites. Alternatively it may be to find out how your child is progressing or to let us know how your child is getting on accessing these materials from home. We have detailed analysis of your child's performance in exams at a question and topic level and are happy to share this with you. Here is a list of our email addresses as it would be great to hear from you.

Maths Department contact details:

Class	Teacher	E-mail address
11XM1	Mrs Sarah Martin	smartin1@hightunstall.hartlepool.sch.uk
11XM2	Mr Peter Hayward	phayward@hightunstall.hartlepool.sch.uk
11XM3	Mr Jason Hill	jhill138@hightunstall.hartlepool.sch.uk
11XM4	Mr Jonathan Hindley	jhindley195@hightunstall.hartlepool.sch.uk
11XM5	Mrs Janet Dixon	jdixon@hightunstunstall.hartlepool.sch.uk
11YM1	Mrs Angela Tait	atait@hightunstall.hartlepool.sch.uk
11YM2	Mr Aaron Rowsthorn	arowsthorn@hightunstall.hartlepool.sch.uk
11YM3	Miss Abigail Robinson	arobinson214@hightunstall.hartlepool.sch.uk
11YHM	Mrs Deborah Robinson	drobinson1@hightunstall.hartlepool.sch.uk
11YTM	Miss Kathryn Woods	kwoods@hightunstall.hartlepool.sch.uk

Follow us on Twitter @HTCSMathematics

Thank you for taking the time to attend this evening and I hope you have found it useful.

Peter Hayward

Assistant Headteacher