

# A2 Mathematics

Mick Macve

*Honest self-assessment followed by  
remedial action*

# Progression Exam

- Results of the progression Exam will be available for all subjects via Advantage, on June 19<sup>th</sup>
- I'm not going to discuss the marks with you until then
- The marks have not yet been moderated but at the moment they look fantastic. Before moderation, the mean score is 67 which is a grade B. However, this may change.

# Results at BHASVIC 2017

A level Maths	BHASVIC (Double Maths only)	BHASVIC (Single Maths only)	Mick's classes (3 Single Maths classes)	National
A*	74%	22%	27%	18%
A*-A	88%	52%	64%	42%
A*-B	90%	75%	76%	64%
A*-C	94%	85%	88%	80%
A*-D	99%	95%	97%	91%
A*-E	100%	99%	100%	98%

The results at BHASVIC are in the top 10% of the country

# Assignments

- Assignments need to be handed in during Monday's lesson.
- The first assignment is due in on Monday June 18<sup>th</sup> .
- There will be a 20 minute test on each assignment every Monday. I will change the numbers in the questions so that the answers will be different.

# Assignments

- Each assignment must be completed and stapled.
- Start each question on a new side.
- Please make sure you mark your work.
- The “**Backpack**” work needs to be handed in, separately and stapled.

# Backpack

- Once you complete a question, you need to decide whether or not you would be able to get the question correct if it came up in the assignment test. Be honest.
- If you don't think you would get it correct, wait a day and then try the question again. Keep repeating this question until you know you understand it and would be able to get it correct if tested on it. This work comprises the "Backpack."

# Preparing For Lessons

Use the website [www.mickmacve.com](http://www.mickmacve.com) to prepare for each lesson.

Look under “June/July 2018” to see what each lesson is about and what video you need to watch.



# Preparing For Lessons


- Make notes in your Survival Kit. Everything you need to write is contained within the video.
- The whole of next year's course is available to look at under "Second Year 2018/19"





# Preparing For Lessons

You can also use the Survival Kit to find out what video to watch.

The Compound Angle Formulae	
<a href="https://youtu.be/DyqQG7MzOPU">https://youtu.be/DyqQG7MzOPU</a>	
Understand and use double angle formulae; use of formulae for $\sin(A \pm B)$ , $\cos(A \pm B)$ , and $\tan(A \pm B)$ , understand geometrical proofs of these formulae. To include application to half angles. Knowledge of the $\tan \frac{1}{2}\theta$ formulae will <i>not</i> be required.	
$\sin(A \pm B) = \dots\dots\dots$	
$\cos(A \pm B) = \dots\dots\dots$	

# Support

- I recommend that you set up a study group with your friends.
- “Drop In With The Doubles” in room 7 – a timetable will be posted soon.
- Use room 7 as a workroom.
- Email [m.macve@bhasvic.ac.uk](mailto:m.macve@bhasvic.ac.uk) I aim to reply within 24 hours and normally more quickly than that.

# Support

- Videos on my website or other teachers' websites – see the “Links” page.
- Use the online textbook.  
([www.kerboodle.com](http://www.kerboodle.com). Institution code = wss8)
- Survival kit.
- Subject Extensions – every lunchtime in room 24 this term
- I am running a Subject Extension every Friday from 12:30 – 2:00 in room 7

# Quality

- We must all strive to be perfect.
- **Avoid expensive errors**
  - Arithmetic
  - Minus signs
  - Algebraic manipulation
  - Read the Question
  - Grammar
  - Proofs
- Please accept my apologies for any expensive errors I make. Please let me know if you see any errors I may have made, including in the videos.

# Quality

- I am going to assume you want me to support and encourage you to reach the highest possible standard. Please let me know if I ever ask you to do something which you think is a waste of time. Please let me know if you don't like my teaching methods.
- I will give you as much support as I possibly can. If you want me to make further videos to explain something, just let me know. However, if I give you too much support, you won't have the experience of puzzling things out for yourself.

# Summer work

- Last Summer you completed a booklet called “Starting With Confidence”
- This Summer you will be asked to complete a booklet called “Continuing With Confidence”
- This will be issued to you at the start of July

# Cheating

- Working together isn't cheating
- Looking at the answer and working back to find the correct method isn't cheating
- Cheating is pretending you understand something when you don't
- That's when you're cheating yourself

- Please don't hand in work that you don't understand
- The effective way to learn is
  - HONEST SELF-ASSESSMENT
  - REMEDIAL ACTION
- Copying other people's work...



# Target Grade (MEG) C Block

Here are your target grades

Tarik	Bouhassane	A*
Mitchell	Bromage	A*
Miles	Budgen	A*
Frederick	Cox	A*
Kai	Green	A*
Fynn	Hall	A*
Joshua	Hall	A*
Jacob	Hammond	A*
Isra	Hassan-Ibrahim	A*
Poppy	Holloway	A*
Josh	Hurle	A*
Ryan	Jackson	A*
Esme	Jacquest	A*
Archie	Knight	A*
Ema	Liskova	A*
Toby	Locke	A*
AJ	Martin	A*
Tom	Partridge	A*
Muhammed	Razak	A*
Dhruv	Taylor	A*
Beatrice	Uprichard	A*
Toby	Virgo	A*
Anna	Worsley	A*

# Target Grade (MEG) D Block

Here are your target grades

Ollie	Angel	A*
Finlay	Barnes Bush	A*
Erin	Dooley	A*
James	Hall	A*
Jack	Hopewell	A*
David	Keeble	A*
Max	Laing	A*
Charlotte	Le Merle	A*
Wenxuan	Liu	A*
Harvey	Markham	A*
Zuki	Moeran	A*
Ted	Perrett	A*
Thomas	Pickles	A*
Dan	Priddey	A*
Ellie	Ransom	A*
Joe	Roden	A*
Harvey	Rogers	A*
Ilia	Sibiryakov	A*
George	Smith	A*
Megan	Stone	A*
Molly	Tavender	A*
Sophie	Wilkinson	A*

# Absence


Attend all lessons. If you are not going to be in a lesson, email me to let me know beforehand.

Please catch up with any work you miss through absence

I will often put the work for the lesson on my website.

HOME SECOND YEAR 2017/18 JUNE/JULY 2018 2ND YEAR 2018/19 LINKS FIRST YEAR 2017/18 SECOND YEAR MODULES

JUNE/JULY 2018

Monday June 11th	Wednesday June 13th	Friday June 15th
<a href="#">Compound Angles</a>	<a href="#">Double Angles</a>	<a href="#">Half Angle Formulae</a>
<a href="#">Work for Lesson</a>		There's no video to watch but there is a 10 minute exercise to complete in your Survival Kit
 <a href="#">2018-06-07_trig.pdf</a> Download File		

A red arrow points from the text 'I will often put the work for the lesson on my website.' to the 'Download File' link in the screenshot.

# Other stuff

- Be punctual to lessons
- I use emails. Please check your BHASVIC email daily.

# Also....

- There are some great Maths books in the library. These are worth reading because
  - They are enjoyable and not hard to read. They are not textbooks.
  - They will give you good background to your studies.
  - It will look good on your University/Job application
  - I particularly enjoyed “The Music Of Primes” by Marcus de Sautoy, “Fermat’s Last Theorem” by Simon Singh and “17 Equations That Shook The World” by Ian Stewart

