



TERM 3 - SEPTEMBER 2021

# IN THE KNOW

Muswellbrook High School Newsletter

[muswellbro-h.school@det.nsw.edu.au](mailto:muswellbro-h.school@det.nsw.edu.au)  
02 65431033



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## Words from the Principal

KYLIE FABRI

As a leader of a school one of the things I love doing most is learning new things. Much to the embarrassment of my family, I ask a thousand questions when I am with someone new or I am in a new place. My mother used to always say that I would never die wondering! As parents we know that when our kids are young they ask questions about everything!! Why is the sky blue, how come tennis balls have fur on them. This is the way that children learn and whilst this can be tiring, it is also extremely fun and meaningful to be a part of. It is very sad that the older our children and students get the less inquisitive they become. One of the key learning skills to being an effective learner is questioning - asking why, how come, what if. These are important questions and help us make sense of the world in which we live.

I would encourage all students to ask more questions and parents/carers around the dinner table ask your students what questions they asked in class that day. Then you will know that your child is actively participating in their learning. You as a parent/carer will gain a deeper understanding of the learning skills that your child or children are learning at school.

As educators, we are driven by the fact that often we are able to unlock the passions, interests and potential in the young people at our school. I encourage you as families, to talk with your young people about what this may be in their life so that school and learning isn't something to be endured but rather something to be enjoyed as it prepares them for their incredible futures. At Muswellbrook High School, forming positive relationships is hugely important in ensuring that everyone is heard and understood. Please encourage your young person, if they haven't already, to talk to their year adviser or classroom teachers about their interests and hobbies, or involve themselves in extra curricular activities at school. Together we connect student's external world and interests with their schooling and their learning.

Finally, thank you for walking with me during what has been a challenging term. I feel honoured to have the opportunity to work with a whole school community who have been willing to embrace improvement, supportive, courageous, resilient and above all absolutely amazing.

Kylie Fabri  
Principal

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# HSC Study Days

From the comforts of our home, a number of our Year 12 students recently joined about 100 students, from about a dozen small country high schools, for a combined Maths HSC Zoom Study Days 4 Students.

Stuart Palmer, from PD4Maths, based in Sydney, lead us through tips for how to both prepare for and do the HSC Mathematics Exams. Spread over 2 days, the Mathematics Standard course in the mornings and the Mathematics Advanced course in the afternoons. Both this year and last year, our students found the experience value and came away with lots of valuable tips and advice.

Mr Morris

Head Teacher Mathematics

Labor Omni Vincit ~ Work Conquers all

**Booklet page 19 Non-right-angled triangles:**  
Sine rule or cosine rule?

1. Find the size of the unknown angle

2. Find the length of the unknown side

**Problem 1:**

Triangle with sides 5, 7, and 8. Angle C is opposite side 7.

$$\cos C = \frac{a^2 + b^2 - c^2}{2ab}$$
$$\cos C = \frac{5^2 + 8^2 - 7^2}{2 \times 5 \times 8}$$
$$\cos C = \frac{5^2 + 8^2 - 7^2}{2 \times 5 \times 8}$$
$$C = 60^\circ$$

**Problem 2:**

Triangle with sides 5, 8, and x. Angle C is 35 degrees.

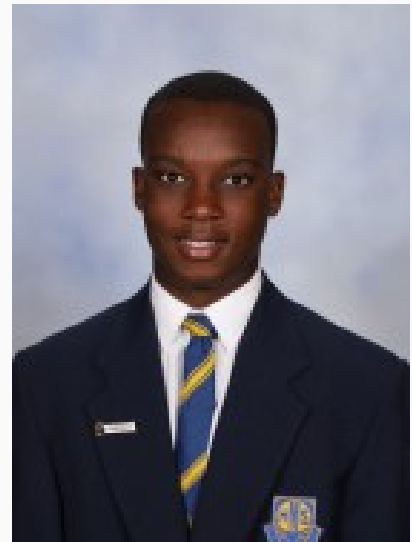
$$c^2 = a^2 + b^2 - 2ab \cos C$$
$$x^2 = 5^2 + 8^2 - 2 \times 5 \times 8 \times \cos 35^\circ$$
$$x^2 =$$

Resources for students

- Trigonometry (10 pages), [here](#).
- Statistics (2 tests with solutions), [here](#).

**For Standard students:**

- Resources for students (2 pages), [here](#).
- A 'To Do' list (2 pages), [here](#).
- Networks (10 pages), [here](#). Video solutions are [here](#).
- Standard Study Day Booklet (70 pages), [here](#).
- Standard Study Day Booklet Answers (4 pages), [here](#).



### Awarded to: Mufaro Tom

For: Mufaro is genuinely concerned for the mental health of others and shows care towards other students. Mufaro was also a major advocate of the Push Up challenge for mental health conducted through the PDHPE faculty, where he completed the challenge, assisted in raising funds and promoted awareness at the school assembly. Mufaro shows great leadership in and around our school community.

## Where there's a Will Wellbeing Super spreader

“Muswellbrook High parent Alan ‘The Supercoach’ Baker has been selected by the Where there’s a Will Foundation to help create an outbreak of wellbeing in Muswellbrook by becoming ‘Wellbeing Superspreaders’.

Alan will work with a Wellbeing Coach for the next few months learning how simple actions and goal setting can enhance wellbeing in his life. He’ll then be on a mission to infect as many people as possible with this knowledge resulting in symptoms like improved happiness, better physical health and greater life satisfaction being felt right across the community.

If you know Alan please reach out to him in coming months, ask what he’s been doing and consider whether implementing similar actions could enhance wellbeing in your own life.



- SRC Trivia Night and Mega Raffle- Unfortunately SRC had to postpone its planned Trivia Night, **BUT** we did get to hold our planned raffle and have our out of uniform day. Our Mega Raffle and Out of Uniform Day managed to raise **\$660** for the Westpac Rescue helicopter Service. Thank you to everyone who brought tickets, chocolates and donated on the out of uniform day. Congratulations to our winners who were notified and managed to collect prizes before lockdown.



***Thank you*** again to the following local businesses for their generosity in donating gifts/vouchers for the raffle:

- Upper Hunter Smokehouse
  - Hunter Belle
  - Earth and Grace by Pukara
  - Halo Hairdressers (Denman)
  - Woolworths Muswellbrook
  - Munchies
  - Priceline Pharmacy
- Year 12 2022 Elections- For those in Year 11, nominations were called for and nominees are now preparing their speeches that they will deliver to their peers in year 11 and staff once we return to face to face learning.

**CONGRATUALATIONS  
TO OUR YEAR 12  
VISUAL ART  
STUDENTS ON THERE  
HSC SUBMISSION"**

MR BRENDAN COULTON

**ONLINE PAYMENTS  
NOW AVAILABLE**

**Parent online payments can be accessed via  
the school website through the Make a  
Payment link.**

**Please contact the school office if you require  
any assistance making an online payment.**

**We look forward to  
seeing you all in Term 4**