FROM THE HEAD MASTER

MOTIVATION, ENGAGEMENT, LEARNING AND PERSONAL POTENTIAL

This was the focus of a very successful professional development seminar conducted by Dr Andrew Martin for the Senior and Middle School Housemasters on Wednesday evening. The research-based, common sense framework presented on the night for examining both positive and negative influences on student engagement, motivation and learning was well received by the senior staff present, as it resonated so well with the “in the field” experience of our very experienced and professional staff. Reflecting on potential strategies that can foster a positive long term growth mindset on the part of our boys and how we can best engage them in developing their own “personal best goals” for which they take on a personal sense of responsibility in achieving, was but one of the key areas discussed by the group.

All in all, a very important and productive time that will further enable our staff to better meet the needs of our boys in a holistic sense as we continue to work together to make Trinity even “better tomorrow than it is today”.

VOCATIONAL EXCELLENCE

We received some wonderful news this week that Bayley Farrow (12Ke/2014) has been awarded an Australian Vocational Student prize for 2014. The Australian Vocational Student Prize recognises the achievements of students who completed their senior secondary studies while undertaking vocational education and training while at school or an Australian School-based Apprenticeship. We look forward to presenting his citation at a Quad Assembly in the near future.

INTERESTING FACTS COMPETITION

The Interesting Facts Competition was run by the Science Department last term and there was an incredible response. In only three weeks, there were 1,372 entries from students in Grades 3-12 across all 3 campuses. Thanks to all the boys who contributed so enthusiastically. There were many fascinating facts, many that were thought-provoking and many that were weird! A shortlist was created and voted on by teaching staff and research scientists from the University of Sydney and the Garvan Institute. Special thanks go to Mr Karagiannis from eLearning, who was fantastic in organising the IT aspects of the competition.

Honourable mentions go to Ethan Bateman (7WJ) who said that “For all mammals, no matter how large they are, they all urinate for an average of 21 seconds.” and also, to William Taplin (4Ta) of Grade 4 who discovered through personal experience that his own urine turned red after eating beetroot for lunch.

Mr Arvind Naidu, the owner of Stax Electrical Shop in Croydon and long-time supporter (and former parent) of Trinity, attended Quad Assembly today to present the prize of an LED TV to the winner, Andrew Berg (12Fo), who found on the National Geographic website: “There are four distinct species of fungi, all located in the Brazilian rainforest, that can take over the brain of an ant, effectively turning it into a zombie, and then kill it once it has served its purpose.”
THE HSC AND SCALING

Few educational matters are worse understood, or create more controversy, than scaling. Yet most of the angst generated is without foundation. In fact, scaling is an important mechanism to ensure that HSC candidates do, indeed, receive a fair go in their applications for university entrance.

Scaling of marks is not carried out by BOSTES, but is entirely a function of the universities, and is only relevant for those seeking entrance to a university course. A Technical Committee on Scaling oversees the process, and reports annually. The reports, entitled Report on the Scaling of the [year] HSC can be downloaded from the UAC website (www.uac.edu.au).

It helps to understand why HSC results are scaled if one comprehends the problem faced by universities. For every university course, there are hundreds or thousands of applicants. How are they to be fairly compared, when they all did a different selection of subjects for their HSC? The only subject they all had in common was English, but even there, there are three 2 unit courses. How would one know who are the most meritorious students?

The answer is found in scaling. Scaling attempts to answer a couple of pertinent questions. How does any particular mark in one subject compare to the same mark in another subject? If a student gained 80 marks in Physics, for example, is he or she more or less meritorious than a student with 80 in Visual Arts? Another way of looking at the same thing would be to ask, for every HSC subject, if every student in the state had done that subject, what marks would those students who actually did do the subject have got? These questions, which are really about the same thing, go to the heart of how students with different bundles of subject results can be compared for the purposes of competitive university entry.

To work this out, a measure is taken of the “quality of the candidature” for each HSC subject. This is achieved by looking at the results of each subject’s candidates in all their other subjects. This is a complicated statistical procedure, but its purpose is simple enough. It makes it possible to determine just how meritorious the average, and every other, mark in each subject was. If you like, it gives a measure of how hard it was to get the average mark in each subject. If the quality of a candidate’s candidature was high – that is, gaining the average mark in that subject was more difficult than for other subjects - the subject is “scaled up”. The mean mark is raised by an appropriate amount. Conversely, if the quality of a candidature was low – that is, gaining the average mark in that subject was easier than for other subjects – the subject is “scaled down”.

Once this procedure has been carried out, the results for each HSC subject can be validly compared with each other. The rest of the scaling procedure is simple. For each candidate, their best two units of English are added to their next best eight units, all based on scaled marks, to create an aggregate mark out of 500. From that, an Australian Tertiary Admission Rank (ATAR) is derived as a ranking of candidates. The top ATAR is 99.95, the bottom is 0.05, and the steps are 0.05 apart. Applicants for each university course are ranked by their ATAR, and those with the most meritorious ATARs gain admission.

This is a very fair procedure which rewards those capable students who do well in demanding subjects. There are, sadly, many “furphies” and urban myths about scaling:

> Scaling does not institutionalise prejudices about subjects. Although some subjects are almost always scaled up, and others almost always scaled down, the calculations are done afresh every year. If, in some year, all the less capable students did Physics, it would be scaled down, not up.

> Scaling does not reward students who are clever enough to look up the scaling reports and choose subjects that are scaled up. A poor student in a good quality candidature will achieve a low scaled result, pretty much the same scaled mark as he would have earned had he taken a different subject with a poorer quality candidature, where he was average or better for the group.

> One unit subjects can and do count. Two unit subjects are taken as two discrete and equal units. So, for example, were a student to do Advanced English and English Extension 1, and achieve the following scaled marks:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Scaled Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Advanced</td>
<td>80 / 100</td>
</tr>
<tr>
<td>English Extension 1</td>
<td>41 / 50</td>
</tr>
</tbody>
</table>

the scaling would treat this as

1. 1 unit of Advanced English = 40
2. 1 unit of Advanced English = 40
3. 1 unit of English Extension 1 = 41

To meet the rule that the best two units of English will be taken first, the single unit of Extension 1 would count, and one of the two units of Advanced would count. The other unit of Advanced may or may not count when the next best eight units are used.

> It is true that the results for the IB are not scaled. This is because the candidature is so small that statistical procedures cannot validly be applied. All the same problems – that some subjects are easier than others, that some candidates do 4 Hls while most do 3 – apply to the IB, and were its candidature to grow significantly, the universities would undoubtedly insist that results be scaled. That would be a fair, not an unfair, add-on to the system, and would address some “clever” subject selection currently undertaken by IB students.

It is hoped that this explanation helps to dispel some of the misunderstanding that exists regarding scaling.

Jason Cheers | Academic Dean

TRINITY GRAMMAR SCHOOL

Traffic Management SUMMER HILL CAMPUS

FOR THE SAFETY OF OUR BOYS AND THE BROADER TRINITY COMMUNITY

Click here to view information on Traffic Management
With exams approaching later this term, this week at the Senior School Head Master’s Assembly I spoke to the boys about study skills. The topic is one that we address in a number of ways throughout the School. For instance, during life skills sessions in House periods boys are taught strategies to help them develop effective habits and sound disciplines around studying.

I have emailed all the boys a copy of the PowerPoint presentation. You may like to look at the presentation with your son and talk about how he can improve on his current study habits. In addition, there is some helpful information on pages 43 and 44 of the Record Book.

Perhaps the most common question parents ask is how much time their son should spend studying? The times suggested in the Record Book, 15 hours a week for Year 10, 15-20 hours a week for Year 11 and more than 20 hours a week for Year 12, are a good guide. However, it is perhaps more important to consider how effectively the time is being used. Your son needs to know what to study and to have clear goals about what he wants to achieve in each study session.

One of the ideas I floated with the boys was that of setting study PBs. What is your son’s current personal best for the amount of time he can spend studying? You might like to study PBs. What is your son’s current personal best for the week for Year 12, are a good guide. However, it is perhaps more important to consider how effectively the time is being used. Your son needs to know what to study and to have clear goals about what he wants to achieve in each study session.

One of the ideas I floated with the boys was that of setting study PBs. What is your son’s current personal best for the amount of time he can spend studying? You might like to help him improve his PB. If he struggles to stick to the task for a while perhaps you could:

> Set a timer and make a deal that he doesn’t get up until the timer goes.

> A food break after an agreed period of time might also be an effective motivator.

> Make sure he has a water bottle with him so there is one less reason for him to get up from the desk.

If you have more than one child studying, you may be able to have them channel some sibling rivalry and see who can improve their PB the most during a week. An appropriate reward (again food is a good motivator for boys!) could be given to the child with the best PB.

A boy will not be able to move from no or little study to doing two hours or more a session overnight. This is why the idea of PBs can be helpful. Gradual improvement over time will yield the required results.

Boys are always able to talk to their Housemaster if they need some more assistance in improving how they study.

Heath De Lany | Master of the Senior School

Trinity term is traditionally a very busy time – as well as the day-to-day workloads, boys are completing end of academic year assessments and preparing for final examinations. To assist students in these endeavours, the Arthur Holt Library will transform the Seminar Area into a ‘Silent Study’ space every Tuesday and Thursday lunchtime during Trinity term. The sliding doors to the area will be closed, providing students the opportunity to engage in individual study and examination preparation. The area will be supervised by a Librarian and kept silent. Interested students may want to also sign up for the after-school Study Plus programme on these days, which is held in the Library, to really kick-start their exam readiness. To book a session for Study Plus, log on to your Flexischools account and select Study Plus.

The rest of the Library will still be available during these lunchtimes as a venue for individual or group work and recreational reading. Whatever your reason for visiting the Library, we look forward to seeing you here!

Tabatha Paterson | Teacher Librarian

The annual Composition Concert took place to loud applause last Thursday 24th July in the Orchestra Room. This year, for the first time, it featured work by boys from the Middle School as well as the Senior School, which gave us glimpses of future greatness from some impressive young composers. As well as the composers themselves playing, their friends and teachers generously donated their skills to perform the new pieces. Some of the standout works by Middle School boys included David Carreon’s (9St) Baroque-style “Allemande” which featured a lovely balance of intertwined melodies and countermelodies between two violins; and Richard Lee’s (8Hi) Indian-inspired “Magic of Mava Raga” with flutes, star and tabla gradually building the tension to a satisfying conclusion.

From the Senior School, I was particularly impressed with Timothy Tan’s (12WJ) melodic and percussive “Tick” for strings and vibraphone; Eugene Chow’s (12Sc) two works showcasing his understanding of both structure and invention (and his ability to challenge even Mr Kinda on piano!); James Watson’s (11We) singer-songwriter Top-40-style video-clip featuring his sense of humour, creativity and lovely singing voice; and Simon Jensen’s (12Ke) and Alex Cho’s (11St) clever and beautiful blending of East and West in Jensen’s “Yureei No Bushi Fuque” for brass ensemble and Cho’s piece for voice and electronics. The evening finished with Daniel Manogaran’s (12Du) mix of chilled-out and danceable, fun electronics, which hinted at a future glittering career as a music producer. Yet to be honest, every new work played for us was impressive. If some of our young men end up with their music featured on Triple J or Classic FM, I will not be surprised!

Holly Champion | Music Administration Assistant
In a sport where no quarter is asked and no quarter is given, players have only split seconds in which to make decisions that, depending on the significance of the moment, could determine the outcome of a game. While the thought of making choices under pressure may seem a daunting prospect, the fact remains that those choices have to be made regardless of whether or not the circumstances are suitable or not. These moments become even more challenging when the players become fatigued, which clouds their already compromised decision-making ability. However, there is very definitely light at the end of the tunnel, instead of the terrifying image of an approaching train.

The player’s ability to successfully manage these exponentially challenging moments in a game is provided by coaching, training and practice. The abstract understanding of strategies and methods for improving performance remains a minor element of this equation; the consolidation occurs through the practical reinforcement of these thinking skills under pressure through rehearsing scenarios at training.

To some, repeatedly passing and catching a ball, reviewing tackle skills or running patterns of play may appear repetitive and mundane; however, the attention to technique and detail becomes a significant factor in the final stages of a closely contested game between two sides equally chasing victory. The difference in skill levels allows players the opportunity to make better decisions at pace without distraction and fatigue to achieve the ascendency. Rugby, being more than a game of physicality, provides opportunities to develop decision-making skills and improve strategies to resolve cerebral and emotional obstacles. So, in the words of Greg Growden’s book about timeless rugby stories – It’s not just a bloody game!

MATCH REPORTS

The 13A team started the game by securing quality possession of the kick-off, maintaining this possession for multiple phases, and attacking the opposition through a variety of channels. Their dream of opening the game with a try was dashed when Cranbrook stole our possession and with one quick pass were over to score one of their own. The team quickly regrouped behind the post and commenced the next aspect of the game with vigour and composure, applying pressure and securing the ball once more. With ball in hand, the team went on the attack again and after numerous phases Matthew Moore (8Ke) appeared...
down the blind side and in a superman style dive, scored the first try of the match for the team. The proceeding kick-off landed directly in the safe arms of Harrison Goldsmith (7La) and with some quick ruck ball available, Malachi Hawkes (7WJ) found himself receiving a pass in the centres where he proceeded to step, swerve and fend his way through the opposition, where he then passed the ball to an ever-present James Browning (7Du) who scored the teams second try. Luke Hennessy (8St), provided the extra two points with his conversion and the score was 12 – 7 at the halftime break. The second half proved to be an arm wrestle with Cranbrook and was almost too intense for the parents and coaches on the sideline! Outstanding low-focussed driving runs from Kai Young (7We), angle-changing darts from Michael Eid (7Ke), and hole-running line breaks from Luke Hennessy (8St), enable the team to score two more tries in the second half to James Browning (7Du) and Malachi Hawkes (7WJ). The final score was 24-14. As we build towards our clash against Barker, it is important for the team to focus on maintaining our possession after making line breaks and to trust in our ability to build pressure and the points will come.

The 13Bs put on another strong performance against Cranbrook, closing the first half with a 12-0 lead, and winning 20/7 at the close of the game. The team were playing well as a cohesive unit with all the boys playing to support their fellow team mates. The start of the second half saw much of the same with another 2 tries in our favour, including a great 60 metre run from Lachlan Farrell (7Fo). Cranbrook replied with two tries in quick succession and the 13Bs recovered well to defend their line, featuring some fantastic play by Ethan Boursiani-Lawrence (8We) and Hunter Keyes-Ahern (7Hi). A special thankyou to the Cs players who came out especially to support the B team.

The 13Cs were looking forward to a lively match this week and found it in the form of an internal fixture against players from their own team and some supporting faces from the 14Cs. The game was well-contested early on with neither team able to take a stranglehold. Some superior tackling from Soz Filladites (8WH) and Jayson Song (8Hi) kept their opponents from making the gain line. Strong runs from Alistair Buchanan (7Ta) and Michael Nguyen (7Ar) opened the scoring and teams went try for try from then on. A late effort by Angus Mooney (7La) was adjudged to be lost over the try line, only to be regained by his opposition (who also happened to be his 13Cs team mates) who then ran the length of the field and tied the game at 20-20.

The Greens bounced back after last week’s close loss to Knox 14Bs with a solid four tries to one victory over their Eastern Suburbs rival. Rampaging Stanley Zhang (9Mu) picked up a pair of tries, while Richard Ziaede (8Mu) showed some tricky footwork and a strong fend to finish off a great backline move to score in the corner and have Trinity up 10-0 at the break. The icing on the cake late in the match was a chip kick from Ryan Hansen (8We) to the corner that was beautifully picked up by Ryan Scott (9Yo) to seal victory, winning the game 20/5.

A somewhat interrupted game for the 15A team due to a long 45 minute injury break after a strong tackle from Nikolas Ginis (9Ta). Trinity conceded a try after the interruption, but hit back through a try to Matthew Teixeira (10Sc) in the shortened game. Louis Tanner (10We) took over the kicking duties and proved to make a difference, kicking two goals from out wide.

The 15Bs had a physical encounter with a tough Cranbrook side looking for redemption after a first round loss. A slow start was slowly shaken with some great running rugby from Joshua Wong (9Sc) and Joshua Thanopolous (10Hi). A huge lift in the second half and some great defensive efforts from Cooper Young (9He) saw Trinity come out victors, winning 41-5.

The 15Cs returned to their winning ways on Saturday, with a 45-5 win over Cranbrook. Cranbrook started well, keeping the score to 10-5 at half time - Felix Dobbin (9Du) and Philip Choi (9Fo) being the try scorers. Cranbrook tackled well, causing a number of turnovers, while Trinity did not. The second half was an improvement in the pressure applied by the 15Cs, with a number of spectacular tackles from Andreas Pappas (9Sc), Jakob Wak (10Sc) and Charlie Griffith (9Yo), and a very impressive run with the ball from Darren He (9La). This culminated with the 15Cs scoring seven tries in the second half. Congratulations go to Ethan Thomas (9He), Ned Hatton-Ward (9Sc), Kenneth Zheng (9We) and Zac Harrison (9Hi) for their consistent performances. Another team effort from the Cs!

Coming off a tough loss against Knox, the 4ths needed a big win against Cranbrook to get their season back on track. At the start of the game Trinity had to defend against a very spirited Cranbrook team; however, the 4ths were like a brick wall in defence with some hard hitting from Edward Blaxland (12WH) and Nicholas Blumor (12Hi). With the game in the balance, all eyes turned to the extremely passionate Vice Captain Mark Bastoulis (12Ar), who turned the momentum of the game with one of his trademark line breaks proving too good for his opponents. From this point the flood gates opened, allowing Jordan Farah (12He) to grab a sensational double and our sharp-shooter Luke Henry (12Ta) also to grab a double, and scoring a total 22 points in the game. From here on the forwards took control and once again James Debono (12Ke) trampled any opponent in his way to
score a sensational individual try. With the final score being 48-0 special mention must go to Simon Jabbour (11Fo) and Alex Karvountzis (11WH) who played their first game in the 4ths this season and definitely made their presence felt.

The 5th XV finally reaped the rewards of putting into practice on game day what has been spoken about and practised at training so far this season, with a hard-fought 7-0 win against Cranbrook. With better body height and a more willing attitude at the breakdown, the defensive line held well and there was some very positive recycling of the football. This allowed the 5th XV to build pressure, rewarded by a good try to Joshua Ananda (11Ar) under the posts. Jackson Chambers (12WJ) had a fine game at halfback, and Cameron Fawcett (11WH) played his best game of the season, charging into the fray at every opportunity, alongside the ever-reliable William Catterson (11Ke). Paul Raptis (11Ta) was his usual indefatigable self at open-side flanker. Kaden Tsoi (11Ar) ripped in tirelessly and Benjamin Crowhurst (11Ho) was a revelation at outside centre. Warm congratulations to the entire team on a well-deserved victory.

Andrea Folli | MIC Rugby

Both Tane Edmed (9Fo) and Lachlan Ilias (9Sc) participated in the NSW All Schools U15 Touch Football Tournament this weekend at Sydney Sports Academy, Narabeen representing the Combined Independent Schools (CIS) team and had a great weekend forming new friends and playing a very high and competitive level of touch football.

The CIS team finished the tournament in third place against the highly competitive Combined High School (CHS) and Combined Catholic College (CCC) teams. Lachlan was awarded Most Valuable Player in the CIS team and was also selected in the NSW team as a shadow player and hopefully will get to participate in the Pacific Games in Adelaide.

Lachlan White | Director of Rugby

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<th>Trinity vs Cranbrook</th>
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<tr>
<td><strong>Team</strong></td>
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<tr>
<td>1st XV</td>
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<td>2nd XV</td>
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<td>5th XV</td>
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**CAS ROUND 8 vs CRANBROOK**

Trinity continued its recent domination of our Eastern Suburbs opponents with 18 victories and 2 drawn encounters from 26 matches contested last Saturday on a sunny winter’s day.

Highlights were an eighth consecutive victory by our First XI to seal the premiership with two rounds to spare. Our 8Ds and 8Fs also continue to march stoically through all comers, maintaining perfect records as well. Our 8As wrapped up their title as well last week, albeit dropping their first points of the season in a 1-1 draw with a tenacious Cranbrook outfit.

Our 10As are unbeaten and are at the summit of their competition as are our 7As in a tightly contested table, where all teams have lost at least one match. Both these teams need to continue pressing hard to maintain their small margins from the sides chasing.

With this penultimate round against a stern opponent in Barker sure to be decisive for many of the Trinity Football team’s seasons, a strong effort is needed, with many playing away at Barker this Saturday before ending the CAS rounds against Waverley.

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**1ST XI**

Six minutes in, William Todd (10Ar) aimed his throw in towards Jordan Kery (10WJ). Jordan took a touch to control the ball and played a sneaky pass in between the Cranbrook defence for Reece Sekulovski (11La). Reece didn’t hesitate, beating the Goal Keeper with a first time shot that sent the scoreboard in Trinity’s favour.

A Johnny Dimopoulos (12Ta) free kick skimmed off the head of the Cranbrook defender and hit the left side of the goal post. As it bounced back towards the field, George Vagerakas (12Ho) was there to head it into the back of the net to give Trinity a 2-0 lead into the half time break.

Early in the second half, Cranbrook had several chances, but were denied by the pressure placed on the ball carrier by the Trinity defence. One particular moment was of note. Cranbrook were able to take a shot at the Trinity goal when Goal Keeper William Clark (12Ta) was off his line. A quick thinking George Vagerakas was there in position on the goal line to block with his left foot the Cranbrook shot. A supporting Johnny Dimopoulos was there next to clear the ball away. Cranbrook were able to get to the ball first and quickly played it back into the box where midfielder William Monaha (11Mu) and William Todd were there to pressure the ball and force a turn over. The goal chance had been repelled and a valuable football lesson reinforced.
The origins of Trinity’s third goal were with Zac Galluzzo (12Ho), who played a clever pass wide for Harrison Page (11Yo). Harrison used his speed to dribble into the box and from a wide angle sent a missile shot at the Goal Keeper only for it to rebound back to his feet. Harrison cut a pass back from the goal line for a supporting Reece Sekulovski who with his shot had only two defenders to beat, as the Goal Keeper was still recovering from his initial save. Reece somehow managed to get his shot away and score before being pole-axed by the Cranbrook defenders.

For Trinity’s last goal, a William Piras (11Sc) corner had good speed and angle as it found a leaping William Monaha in the box. William’s header bounced off the Cranbrook defender and into the back of the net to seal a 4-0 victory. The victory sealed the return of the Thomas Grimson Cup to Trinity for the first time since 2010. Congratulations to all boys for their role in this achievement. It is a fine reward for their commitment to their team mates and to Trinity football.

Luke Gray | 1st XI Coach

2ND XI

The return fixture versus Cranbrook began well for Trinity who were moving the ball with precision and poise, creating chances a-plenty. After 12 minutes came the reward with a great move finished off with Luke Borgnolo (11Mu) unselfishly crossing the ball to Don Li (12Sc) to tap in. Chances and opportunities were spurned after that as Cranbrook tried to gain a foothold back into the game but Trinity held firm until the break to remain one up.

At half time, the talk was about keeping composure and not to allow Cranbrook a chance. With a renewed intensity and with vocal home support, the boys from the Eastern Suburbs began to exert some pressure on their Inner West opposition. A half chance for Cranbrook came down the Trinity left and a mistake by our defence allowed the Cranbrook number 11 to punch home the equaliser. Trinity were certainly not finished! A Trinity corner was swung in and as it was headed out, it was controlled in an instant by Chris Monaha (10Mu) who took a sideways movement to deceive the on-rushing defender and chip the ball towards goal. It cleared the Goal Keeper but a Cranbrook arm went up to punch the ball clear. Unfortunately, the penalty was missed, as was the chance to go 2-1 up with little left on the clock. All was not lost…

With the scores still level and time running out, patience was the order and just when it looked like it would end in a stalemate, a free kick just inside the Cranbrook half was won. Zac Galluzzo (12Ho) ran over, took a deep breath and sent a beautiful ball in for James Saab (11We), who rose like a salmon out of water to power the header home and with it 3 deserved points for Trinity!

Mark Anthony and Chris Robinson
2nd XI Coaches
Trinity played some impressive football to defeat Cranbrook 2-0. Missing a key striker, the boys were still able to bring the ball forward, passing well with frequent switches of play. Our first goal came from Liam Scott’s (9We) free kick 25 metres from goal which beat the defence and keeper. Vasi McMillan (9Ho) scored the second goal in the second half when he struck the ball high to the left of the keeper from just outside the penalty area. Striker Nicholas Pizianias (9He) was always pressing and preventing the Cranbrook defenders from gaining any rhythm. In the midfield Eliot Kern (9WJ) played with determination and won possession with ease in every challenge. Jeremy Adams (9Fo) played with enthusiasm, bringing the ball forward as a wing back and always threatening the opposition’s backline.

Joe Vaccarella | 9As Coach

9Bs

The 9Bs took the field against Cranbrook and were looking to bounce back from a disappointing last minute loss against Knox the week prior. Trinity controlled the opening exchanges and were soon rewarded when a long range shot by Vasi McMillan (9Ho) hit the cross bar and Jordan Terzopoulos (9HI) was first to react and beat the keeper with a clinical finish. A new look defensive line of William Xie (9Fo), Max McCluskey-Voight (9Ar) and Matthew Tuffy (9Du) were tireless in defence and covered for one another superbly. Dean Kalliris (9Ke), Calvin Li (9Ar) and Mahdi Makki (9La) constantly threatened but the second goal eluded us. With five minutes to go a momentary lapse in concentration saw Cranbrook score a scrappy goal and equalise. Rather than look for someone else to blame, all the players showed steely poise and determination in the final few minutes and were rewarded when Dean Kalliris made a deep run down the right hand flank. Hours of training saw him deliver and the perfect cross to the “hot spot”. Kash Powell timed his run to run down the right hand flank. Hours of training saw him deliver minutes and were rewarded when Dean Kalliris made a deep lapse in concentration saw Cranbrook score a scrappy goal and threaten the opposition’s backline.

Daniel Balzer | 9Cs Coach

9Ds

Trinity had a strong 3-1 win against Cranbrook, with man of the match Luke Gabriel (9Hi) scoring a brace including a corner that was of a real quality and that the game would be a difficult one to win. However, the class of the opposition didn’t stop our boys, with several chances presented in the first 15 minutes. Just as the momentum was swinging our way, Bossley Park scored from a sloppy deflection, putting them into the lead. This dampened the spirit of the team in Green; however, Trinity kept on fighting, knowing that the game was still in contention. Trinity finished the second half strongly and the first half ended 1-0, with special mention to Nathan Bull (9Du). The second half saw the ball being quickly transferred between attack and defence, with both sides defence proving unbreakable and the game ending in a close fought 1 - 0 win to the visitors.

Shane Scott | 9Es Coach

SYDNEY CENTRAL FINAL OF BILL TURNER CUP VS BOSSLEY PARK HIGH SCHOOL

Trinity were drawn against Bossley Park High School in the final of the Sydney Central Region in the Bill Turner Cup. Competition is always incredibly difficult this far into the competition and Bossley Park were no different. The boys travelled to Edensor Park, a beautiful synthetic pitch home to Premier League side Sydney United, knowing that the encounter would be fierce. Trinity were determined to advance to the next round, so we started the game with high intensity. It was only a matter of minutes before we realised that the opposition was of a real quality and that the game would be a difficult one to win. However, the class of the opposition didn’t stop our boys, with several chances presented in the first 15 minutes. Just as the momentum was swinging our way, Bossley Park scored from a sloppy deflection, putting them into the lead. This dampened the spirit of the team in Green; however, Trinity kept on fighting, knowing that the game was still in contention. Trinity finished the half strongly and the first half ended 1-0, with special mention to Felix Kerameas (10Fo) for a great first half whilst playing with an injury.

Trinity went out for the second half after talks with coaches Mr Savor and Mr Gray determined to level the score line. The first few minutes of the second half were fairly even, but they then scored two goals within a short period of time to make the score 3-0 and put the game out of our reach. Despite a great effort from the whole squad, the score line remained unchanged. It was a
TENNIS

TRINITY WINS THE 2015 WINTER CAS COMPETITION

It’s official! Trinity has won the CAS Winter Tennis competition! With 2 rounds left to play, the 1st 1V hold an unassailable lead atop the CAS ladder, holding a massive 26 point buffer over their nearest rival. With 24 points left to be contested in the competition, it is clear that the 1st 1V cannot be caught as they close in on accumulating 100 points in a season, a milestone which has only been achieved by one other Trinity team in the competition’s history. The current 1st 1V is arguably one of the strongest ever tennis teams to represent the School and has now won back-to-back Premierships, a feat that has also been rare in the School’s history. This result dispels any doubt that this team is unequivocally in a league of its own amidst the other CAS combatants and demonstrates how much the players have improved since their previous season’s Premiership in which they won by a meagre 2 points. All players, including the extended squad, must be congratulated for their exceptional efforts over the course of this season. Well done, young men!

In further good news, all Trinity tennis teams have had an exceptional round against a combined Cranbrook and Sydney Grammar opposition last weekend, in Round 8 of the competition with Trinity players gifted Sydney University the chance to score their second and final goal to win the match 2-0. A special mention to Luke Selim (7Ho), Lewis Dobbin (7Du), Steve Poulos (7Ta) and Patrick Fouracre (7WH) for their efforts on the night.

Nicholas Bakopoulos (7Mu)

Good luck to all teams against Barker tomorrow.

Lukie Gray – MIC

CAS ROUND 8 | TRINITY ‘TEAM OF THE WEEK’

MID-WEEK FRIENDLY
7As VS SYDNEY UNIVERSITY U13s

Wednesday night in week two, the 7As football team played a match against Sydney University U13s. Both teams kept possession of the ball throughout the first half. Trinity came out firing in the second half with more chances. Sydney University’s striker managed to chip the keeper from the 18 yard box, 1-0 to Sydney University. Miscommunication between Trinity players gifted Sydney University the chance to score their second and final goal to win the match 2-0. A special mention to Luke Selim (7Ho), Lewis Dobbin (7Du), Steve Poulos (7Ta) and Patrick Fouracre (7WH) for their efforts on the night.

Nicholas Bakopoulos (7Mu)

Good luck to all teams against Barker tomorrow.

Lukie Gray – MIC
spectators with a high quality and entertaining exhibition of dominant tennis.

The 2nd 1V had a resounding 8 sets to love win and like their first team counterparts sit well out in front on the competition ladder as they close in on back-to-back Premierships. All team members were superior in every aspect of the game, allowing their less capable opponents only 15 games over the 8 set contest. First team aspirant James McCabe (7St) continued his undefeated Singles run with a comprehensive 6-1 victory over his older opponent. The remaining team members Alex Ibrahim (9Ho), Kevin Batliwala (11Yo) and Joshua Olpindo (10Ar) continued in the same vain exhibiting their full gamut of shot making capabilities in a wonderful display of power tennis.

Jeremy Dykgraaff | MIC Tennis

CAS WINTER TENNIS 2015 (AFTER ROUND 8)

| 1 | Trinity Grammar School | 87 points |
| 2 | Knox Grammar School    | 61 points |
| 3 | Barker College         | 61 points |
| 4 | Cranbrook School      | 35 points |
| 5 | St. Aloysius’ College  | 34 points |
| 6 | Waverley College       | 10 points |

3RDs AND 4THs IV

The 3rds and 4ths barely got out of first gear against Sydney Grammar School. Brendon Bechara (Ho) at 3rds No.1, Eugene Chow (Sc) at 4ths No.1, Alexander Thomas (Hi) at 4ths No.3 and Victor Wu (Mu) at 4ths No.4 all won their singles 6-0. Ryan Murray (Ta) at 4ths No.2 was kind enough to give his opponent one game!

As far as spectator value went, the Grammar doubles pairs in the 3rds did fight gamely and their retrieval tactics did draw initial errors from our class combinations of Kieran Chu (We) and Brendon, and Matthew Chan (We) and Raymond Wang (Yo). However, our boys just had too many weapons, and the doubles sets were won, respectively, 6-2 and 6-1. Matthew’s crosscourt double-handed backhand drives were the best thing in this encounter, and any tennis fan who has not seen this talented young man rifling his near flat ground strokes has missed something.

There will be no complacency against Barker in the second last round, as all the boys want to maintain their outstanding record.

Ashley Lucas | 3rds and 4ths IV Coach

10As AND 10Bs

The 10A/Bs squad played Sydney Grammar School and achieved outstanding victories. Ably led by our Year 10 captain, Brendan Sleiman (10Ta), both teams displayed excellent tennis and very fine sportsmanship in defeating their opponents 6 sets to 0. Jason Quach (10Ke) was called up to the A team for the first time and he acquitted himself admirably. He has been training very well and his hard work paid off as he only dropped one game in his singles and doubles victories.

Brett Lammiman | 10Bs and 10Bs Coach

8As, 8Bs and 8Cs

The 8As continued their impressive run with a convincing 5 sets to 1 victory over Cranbrook. With A1 returning from the U.S., the doubles combination of Edward Lai (8Sc) and Jason Wu (8Ta) were reunited, recording a 6-3 victory highlighted by near-
perfect service games. Teammates Aidan Tharmarajah (8WH) and Justin Sleiman (8Ta) were able to mirror their effort with comfortable 6-0 doubles victory. Jason was very impressive in his 6-2 singles win displaying a wide array of shots whilst special mention must go to Justin for his 6-0 victory as he continues to remain undefeated this winter season.

The 8Bs played some entertaining tennis as they continued their quest for an undefeated season. The team consisting of Oscar Jones (8La), Dominic Lay (8St), Jack Opperman (8Ta) and Max Russell (8Ho) were all able to record comfortable wins as the team only dropped 13 games in a crushing 6 set to love victory. The doubles combination of Oscar and Dominic recorded yet another win (6-4) as they were able to out power their opponents with powerful ground strokes and bombs down the T.

Max Russell should also be commended for his 6-3 singles victory, as he once again had to step up to fill in as B4.

The 8Cs, consisting of Ben Butler (8Mu), James Bednaic (8WJ), Munashe Mushangazike (8WJ) and Edward Li (8Sc) completed a great day for Year 8 tennis as they recorded a comfortable 5 sets to 1 victory against Sydney Grammar. The new doubles partnership of Munashe and Edward were able to make quick work of their opponents with a 6-0 win. Edward was able to put Trinity further ahead as he demolished his opponent 6-0 with his slice backhand and cheeky drop shots. Meanwhile, Ben was able to bounce back from a tough loss last weekend showing composure and patience as he grinded out a great 6-4 win.

I wish all the boys the best of luck as they take on Barker this weekend.

Joseph Fung | 8As, 8Bs and 8Cs Coach

7As

It was a strong win for the year 7A tennis team beating Cranbrook 4 sets to 2 last Saturday.

A great effort was shown by Andrew Peng (7He) and Tom Jin (7Yo) in the doubles. They were 1-5 down and came back to take the set into a tie-break, their opposition unfortunately getting the better of them. A perfect singles match was played by Daniel Skarzynski (7We) thrashing his opponent 6-0. Although putting in a strong performance in his singles Luca Dimeglio (7Fa) went down to a strong Cranbrook boy, but to his credit came back and won his doubles match quite convincingly 6-1.

Congratulations for another great week for the year 7A tennis team.

Danielle Calvi | 7As Coach

CAS TENNIS WINTER 2015
SATURDAY 25TH JULY | ROUND 8 AWAY

<table>
<thead>
<tr>
<th>Team</th>
<th>Opposition</th>
<th>Result</th>
<th>Sets</th>
<th>Games</th>
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<tbody>
<tr>
<td>1st IV</td>
<td>Cranbrook</td>
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Overall winning rate: 94%. 15 Wins 1 Loss
was the decider, and the Trinity 1st VI were ready to play. We started off strongly and took an early lead, but with our few mistakes, Sydney Grammar was able to come back. The fifth and final set went up to 15 points with a two point advantage to win. With many points going back and forth, Trinity Grammar was able to take out the set and the match at 19-17, through some phenomenal passing by David Jeavons (12Ta) and spectacular blocking and spiking by Jared Phyllis (11Mu) who was playing his first game after coming back from ankle surgery. This is the first time that Trinity has been a part of the CAS/ GPS competition. The boys have put in a lot of effort outside training to prepare for the stronger opposition. With two games to go, Trinity Grammar needs to keep training hard and working on improving each and every week.

David Zhang | 1st VI Co-Coach

**TRINITY LOST TO SYDNEY GRAMMAR**

3-1 (20-25, 26-24, 21-25, 25-27)

I believe that today was a case where the end score did not reflect the standard of play. This was a game that the whole team had been anticipating. Volleyball rivals Grammar are well regarded by the league as one of the best teams. Unfortunately, the 2nds got off to a sluggish start, losing the first set 20-25. Come the second set, we were very eager to dig, set and spike well. The 2nds started out strongly, but couldn’t quite keep up with the might of Grammar. In the third set, though, we witnessed some top grade Volleyball. With the help of Matthew West (11Du) in the backcourt picking up many difficult spikes from the opposition, we powered towards the end of the set. Some great blocking from Jacob Elmsary (11He) and Shawki Al Assadi (12We) helped secure some crucial points to win the set. After having seen the monumental effort by the 1st VI in the game just before us, there was a slim hope for a comeback. After a nail-biting set, where we traded points one after the other, the dust settled and Grammar were victorious. Congratulations to Grammar for a well-deserved win.

Hugo Miller (11Yo) | 2nd VI Captain

**TRINITY LOST TO GRAMMAR**

3-0 (15-21, 12-21, 20-22)

Sydney Grammar is possibly the toughest team that Trinity 3rds will ever play. Their teamwork was impeccable as they easily set a massive lead in the first set. With the moral support of the 1st VI, Trinity fought back, but were unable to close the gap losing 21 – 15. The second set saw Sydney Grammar turn up the heat as they punished our defence with their aggressive spikes and serves. Jonah Newman (10WJ) should be commended for his efforts as the libero as he fought for every point; however, even his spectacular efforts were not enough to prevent the opposition scoring. Not even a tactical time out was able to slow their momentum. Unsurprisingly, we lost the second set 21 – 12. The final set saw some very crisp plays by Adam Hoteit (11La) and Iwan Daniels (11St) who kept the game alive with some aggressive attacking of their own. The efforts of these two stalwarts fired up the team and allowed us to take hold of the lead for the first time in the match. On the back foot, Sydney Grammar defended and defended, barely keeping up with the pace we were setting. Credit goes to their fortitude, coming from behind to claim the 3rd and final set 22 – 20. Though losing all sets, the match was very intense and saw some of the best teamwork we have displayed thus far; the experience of playing against such a quality team will help the team improve in the final weeks of the competition.

Adam Scott | 3rd VI Captain
The Entertainment™ Membership is the perfect dining guide, filled with valuable offers from many of Sydney’s finest restaurants and cafés.

Available for just $70, the 2015 | 2016 Sydney and Sydney North Entertainment™ Membership is filled with more than one hundred 25% off and 2-for-1 offers from businesses in the Southern Sydney and the Inner West, along with hundreds of others in the CBD, suburban and regional areas, all valid until 1 June 2016.

Contact us or order your new Entertainment™ Membership online now!

Plus, from every Entertainment Membership we sell, $14 goes towards our fundraising!

George Ayoub | Director of Development
email gayoub@trinity.nsw.edu.au mobile 0414 915 910
phone 02 9581 6000 fax 02 9799 9449

ORDER HERE NOW

AUXILIARY AND P&F MEETINGS TUESDAY 4TH AUGUST

→ SUMMER HILL AUXILIARY MEETING in the Terrace Room at 6.30pm

→ P & F AGM in the Terrace Room at 7.30pm

Followed by a Fiesta Planning Meeting

TRINITY GRAMMAR SCHOOL | YEAR 8

FATHER & SON BREAKFAST

DATE Thursday, 13th August 2015
TIME 7:00am
VENUE The Dining Hall
PRICE $12 per student
$12 per adult
RSVP Online by 6th August 2015
via the Trinity Community Directory
www.trinity.nsw.edu.au

HOW TO RSVP

Click on Community Directory under Trinity Community on the Trinity homepage www.trinity.nsw.edu.au

Then click Middle & Senior Schools under Event Bookings. Find ‘Yr 8 Father and Son Breakfast and Chapel Service’ in the list of events, then click ‘Register for this Event’ and fill in the RSVP information.

TRINITY ONLINE COMMUNITY DIRECTORY

Click here to access the online community directory.
KNOX INVITATION, CAS vs GPS
Saturday, 25th July 2015

It was a delight to be back at St Ives Showground for the Knox Invitation, which incorporated the annual CAS vs GPS clash last Saturday. The course was its usual intimidating self and ‘real Cross Country’ was the phrase on most lips in attendance. The boys can certainly attest to and confirm that! Racing, unusually, got underway about 15mins late as the Scots’ Cross Country Captain had taken his 14 years team off for a warm-up and managed to get them lost! It was quite funny, but the Scots’ 14 years team, and a few parents, thought otherwise, as by the time they made it back to the start they had already run over 8km!

Trinity’s numbers were depleted in the 14s with a number of boys having competing commitments and we had decided to ask Benjamin Bishop (8Hi) to run up in the 16s. However, that didn’t quell the enthusiasm of the lads and they made a good account of themselves. Tyeson Street (9WJ), looking much recovered after some recent illness, led the boys home in a solid 19th. Bill Zhu (8La) ran with great determination to be 25th, and Phillip Chan (8He) 62nd and Matthew Ng (8Ke) 92nd completed our team. It would be remiss of me not mention that irrepressible young man, Jason Tung (7Hi). Jason usually finishes every race as he started, with a huge smile on his dial. Unfortunately, that was not how he finished last Saturday. Dishevelled and covered in blood would be a more appropriate description! He suffered at the hands of the brutal course and to his credit, in his effort to finish, he literally bled! Well done, Tungy!

Our 16s team with their best result this season – a fine 2nd! – fared much better than the 14s. Ben Bishop led the boys home in a super 6th place, running up an age group. Not far adrift was Jonno Batson (9WH) in 9th. Nathaniel Davies (9Ke) another 3 places back in a 12th and Lelland Hui (9Fo), to be mathematically perfect, should have finished 15th, but he was having none of that sequence and series nonsense as he was 13th. These boys certainly looked the goods and were 32 pts clear of our closest CAS rivals, Barker. Mention should also be made of Cross Country stalwarts: Pericles Telemachou (10Ho) 28th, Nakul Kaushik (10Mu) 34th, Nicholas Hui (9Fo) 36th and Sebastian Hahn (10St) 49th. To have so many boys in the top 50 – indeed, the top 20 – just looking at the CAS Schools, is a super performance and if it is ever pure depth that is tested at the CAS Championship, the other schools needn’t bother turning up!

The Opens race incorporated the much anticipated annual CAS vs GPS clash. I was asked pre-race whom I thought would take the title this year from some GPS friends – er, I mean rivals – and I felt it was too close to call. I proved to be as prophetic as Isaiah, as at race end, the scores were tied between associations, 18pts a piece. Subsequently, the GPS Convenor dusted off an old set of Cross Country by-laws that appeared to be written on papyrus, to conclude that the result, if in fact the event was a tie, was to be determined by the position of the fourth runner. Hence the GPS smuggled the title back to cobwebby corridors of GPS-dom. Congratulations to the GPS team and all athletes on a fabulous, nail-biting event. Oliver Hoare (12St) led the CAS team with aplomb to be the first runner home, but unfortunately Ed Goddard from the GPS team got the better of him on the day after Oli got boxed in mid-race, turning the tables from the week before with Oli’s emphatic victory at the NSW All Schools XC Championships. Keegan Street (11WJ) raced well for Trinity yet again as he finished 37th, and Andrew Lin (12WH) 62nd and Rory Ding (11Sc) 66th completed our Open team result.

Mr Wood’s Harriers of the Week: Jason Tung, Nathaniel Davies, Rory Ding. Only a week to go until the CAS Cross Country Championships! The excitement is building! Tomorrow we are back to Centennial Park for the Sydney High Invitation.

Good running,
Michael Spratt | MIC
NEXT CONCERT
SIBO BANGOURA & FRIENDS

Wednesday 2 September, 7.30pm
Orchestra Room, Roderick West School of Music

Australia has a new West African band capable of holding its own on the world stage... THE AUSTRALIAN

Music courses deep in the veins of Sibo Bangoura, one of the most renowned African kora and djembe players in Australia today. Born into a music family (Griot) in Guinea, he is tasked with ensuring that traditional storytelling and music are passed on to the next generation.

For this concert, he will be joined by members of his band Keyim Ba, including celebrated Senegalese percussionist Yacou MBaye on doun doun, sabar and congas; Jon Pease on lead guitar accompanied by the funky bass lines of Tina Harris; and dancer Rachel Bangoura completing the picture.

Expect an evening brimming with rich melody, traditional song and dance and high-energy percussion – a true musical journey through West Africa!

Tickets
$30 full / $20 concession and seniors
$75 family of four
Trinity students and Society of the Arts members FREE

Book online click here to book online now

Concert duration approx. 70 mins (no interval)

Light refreshments will be served after the concert, when you will also have the opportunity to meet the musicians.

Proudly presented by Trinity Grammar School’s Society of the Arts as part of its 2015 Concert Series. For 2016 subscription enquiries, please contact Catherine Benz, Convenor, cbenz@trinity.nsw.edu.au
School Prayer

TRINITY GRAMMAR SCHOOL

MATHEMATICS CLUB MATTERS

MATHEMATICS CLUB MATTERS COMPETITION

It was pleasing to see there were many submissions to and much interest in the problems in Bulletin II from both Middle School and Senior School boys interested in experiencing Mathematics. Every correct solution will go into the draw for the chance to win a major prize at the end of each term.

Congratulations to last week’s winners, Daren He (9La) and Nam Phu (11Fo) for having the first correct solutions drawn from the Middle School and Senior School boxes. Would they please see Dr Osman for their weekly winning prize.

The answer for the Middle School Problem was 42 adults and 58 pensioners. The five-digit palindromic number for the Senior School Problem was 12321. Complete worked solutions for the Middle School and Senior School problem have been posted outside the Mathematics Department office.

THIS WEEK’S PROBLEM FOR BULLETIN III:

1. Years 7-9: Middle School Problem
due on Monday 3 August 2015

Six men are building a 100-metre-long fence and they are progressing at a rate of 12 metres per day. If after 3 days the owner wants the fence to be finished in 2 days how many extra men does he need to hire? Please show working!

2. Years 10-12: Senior School Problem
due on Monday 3 August 2015

Farmer Fred grows corn in his field. The corn when first harvested weighs 10% more than it does when it has been stripped and cleaned for sale. If he has 99 kg of corn for sale, approximately how much did it first weigh when first harvested? Please show working!

Please place your name and House group with your submission by Monday lunch-time (1.15pm) at the Mathematics Department Office.

Dr Frederick Osman | MIC Mathematics Club

Trinity Grammar School Mathematics Club is pleased to present the following special event:

PYTHAGOREAN TRIPLES
Presented by Mr Shane Scott

Friday 14th August 2015 at 1.10pm
in the Library Seminar Room, Trinity Grammar School

Talk arranged by the Mathematics Club

Summary of talk:
Pythagorean triples have been used from the times of the ancient Egyptians, Babylonians and Chinese. Most of us know about the (3, 4, 5) or even (5, 12, 13) triples but how many different ratio triples exist? Is there a way to find them? Can we find all of them? These are the questions we will be answering and along the way find a relationship between Pythagorean triples and Fibonacci numbers.

Brief Biography of the Speaker:
Mr Shane Scott is a highly-experienced, innovative and passionate mathematics teacher, from Trinity Grammar School. Mr Scott has presented at numerous mathematical conferences both in Australia and overseas including MANSW and BCME. In 2007 he was awarded the New South Wales Premiers scholarship for his paper on Solving Algebraic Equations. He has also been the co-ordinator for Talented Students day, a day of lectures for Extension 2 students.

Parents and friends are most welcome to come and pray for our boys and the School, on Tuesdays between 8.30am and 9.30am. The Prayer Mornings are run on a rotational basis, on alternate weeks, at the Preparatory School campus (see the Preparatory School News for further details) and the Summer Hill School campus.

Junior, Middle and Senior Schools Summer Hill – meet at reception in the Junior School Building, on even weeks of term (Weeks 2, 4, 6, 8,)

Term 3 August 4th, 18th, September 1st
Term 4 October 13th, 27th, November 10th, 24th

Come and join us so we can encourage each other, help form a sense of community within the School, and genuinely bring the needs of the School community before our great God.

Summer Hill contacts
> Greg Webster | Senior Chaplain, Summer Hill
e-mail gwebster@trinity.nsw.edu.au
> Margaret Chu (Summer Hill)
mobile 0433 124 523

www.trinity.nsw.edu.au
THE EINSTEIN LECTURE 2015 | by Dr Ken Silburn

The tenth annual Australian Institute of Physics and Powerhouse Museum demonstration lecture exploring the current output from Einstein’s original work.

Friday 14 August 6.00pm at the Powerhouse Museum, 500 Harris St, Ultimo

Ken Silburn is a science educator and communicator. He is the Head Teacher Science at Casula High School, President of LAZSTA (Metropolitan South West Science Teachers Association) and Coordinator and founder of the ISTEM (Invigorating Science Technology Engineering and Mathematics) project delivering science enrichment programs for high school science students.

Ken is a graduate of the University of Wollongong and the Honeywell US Space Academy for Educators Programme.

Einstein’s Universe with the Modern Perspectives

Ken Silburn will discuss scientific theories, how misconceptions are generated, how public opinion is manipulated and other issues of interest to the modern citizen on planet Earth. Ken reveals the history of science invention, resulting in how we live today. Electricity from Ben Franklin to NASA Heliophysics. Smallpox, Measles to Ebola. Morse code to super computers. And Global warming.

Tickets: $7 adult, $5 under 18s
Light refreshments included. Bookings essential.
Book now at www.sydneyscience.com.au

For more Information please contact Dr Frederick Osman:
email fosman@trinity.nsw.edu.au or phone 9581 6040

Presented by the Powerhouse Museum and Australian Institute of Physics
Supported by the Trinity Grammar School, Mathematics Club

MATHEMATICS CLUB 101
FOR BEGINNERS AND ACHIEVERS

As an initiative of the Trinity Mathematics Club, this course is designed to provide parents and their sons with the opportunity in an enjoyable workshop format to refresh and/or gain skills in understanding Mathematics of the Real World.

8 EVENINGS
16 HOURS
50 DOLLARS
101 REASONS WHY YOU SHOULD DO THIS COURSE!

COURSE INFORMATION

One evening per week for 8 evenings during the Michaelmas Term. Commencing on Tuesday 13 October 2015 from 6pm-8pm in the Arthur Holt Library Seminar Room.

Cost $30 per person per unit (4 Evenings) or $50 per person for the entire course (8 Evenings)
Refreshments will be included.

Workshop Facilitators

Dr Frederick Osman has had an extensive experience of more than 20 years academic/industry experience in innovative teaching and researching, in Physics and Mathematics education at the Tertiary Secondary IB/HSC and TAFE institutions. He is currently the Director of Vocational Education and RTO Manager (Careers Education) and the Master in Charge of the Mathematics Club at Trinity Grammar School.

Hugh Colburn has taught mathematics and computer science at school, technical college, polytechnic and university levels and has extensive experience in engineering and financial mathematics. Hugh has presented for the TGS Mathematics Club on a number of occasions in 2013-2015.

COURSE DETAILS AT A GLANCE

UNIT 1 (TGS2015A) 4 Evenings | 8 Indicative Hours

INTRODUCTION TO FUNCTIONAL MATHEMATICS IN LIFE

- Concepts in Measurements
- Basic Conversions
- Fractions and Decimals
- Why Arithmetic Operations work
- Ratios

UNIT 2 (TGS2015B) 4 Evenings | 8 Indicative Hours

DECISIONS MAKING AND UNCERTAINTY THROUGH STATISTICS

- Probability and Expected Values
- Problem domains and Methods
- Conditional Probabilities
- Heuristics
- How to avoid being fooled by Statistics

- Estimation – Quick and Dirty
- Orders of Magnitude
- Reading and Understanding Graphs
- Simple Interest
- Compound interest and Loans
- Black Swan Events
- Programming Robots in comparison to Humans
- Pilot Project
- Story Telling
- How to gauge Audience Reaction

Entry Requirements

There are no prerequisites for this course

To confirm your place, please register online by the closing date, Friday 18 September 2015.

For all enquiries please contact Dr Fred Osman | MIC Mathematics Club

phone 9581 6040 or email fosman@trinity.nsw.edu.au

Click here to register online now >
CAREERS

Get ready to study in 2016

UAC

UAC Undergraduate Admissions 2016: Undergraduate applications open on Wednesday 5 August 2015. We recommend you apply by Wednesday 30 September 2015, before the processing charge starts to increase. http://www.uac.edu.au/undergraduate/

Don’t worry if you haven’t decided on what or where you want to study. After you’ve applied you can change your course preferences as many times as you like for no extra cost. Many students wait to receive their ATAR before they make their final decision. In fact, you’ll have until Wednesday 6 January 2016 to finalise your preferences for the Main Round of offers to semester 1 courses.

US College

Information Evening: There will be a US College presentation on the evenings of Monday (the 17th of August) or Tuesday (the 18th) on the overview of the college admissions process in the United States. It is informational intensive and will cover a wide range of topics including requirements, deadlines, finding the right fit, athletics, financial aid, standardized testing, and application strategies. The event is open to students and their families, and should be an invaluable event for anyone considering university study in the USA. Both presentations will run from 7:00 pm - 8:00 pm, and will be held in the Boardroom of the US Studies Centre, Institute Building (H03), City Road, The University of Sydney NSW 2006. RSVP for either evening is requested (attendees can rsvp at mwhite@darienacademicadvisors.com).

Bond University

Sydney Medicine & Biomedical Science Information Evening: Mon 17th August, 6.00pm – 8.00pm, Swissotel, 66 Market Street, Sydney. Bond University is hosting a special information evening, providing insight into study pathways and career opportunities in the health industry. Attendees will be able to meet the Dean of the Medicine programme and the Programme Head of Biomedical Science, as well as other Bond University staff. http://bond.edu.au/event/46394/sydney-medicine-biomedical-science-information-evening

The University of Sydney

Bachelor of Science (Advanced) and Doctor of Dental Medicine: In the new Bachelor of Science (Advanced) and Doctor of Dental Medicine, students spend the first three years studying advanced science courses of their choice, followed by the four year Doctor of Dental Medicine which qualifies graduates to practice as a dentist. http://sydney.edu.au/courses/bachelor-of-science-advanced-and-doctor-of-dental-medicine

UTS

Engineering Industry Merit Based Scholarships: Applications Close: Mon 5th October. A number of Industry Sponsored scholarships are available to provide financial support for the first year of the Bachelor of Engineering Diploma in Engineering Practice degree. Scholars will have direct access to industry sponsors and many undertake an internship with their sponsor company. Applicants will be chosen based on their academic performance, skills evidence in leadership, commitment to an understanding of the engineering profession, and demonstrated initiative in extra-curricular activities. Contact: +61 2 9514 2666 or FEITOutreach@uts.edu.au http://www.uts.edu.au/future-students/scholarships/0000017874

UTS Bachelor of Information Technology Co-operative Scholarship Programme: Round 2 Applications Open: Mon 3rd August. Round 2 Applications Close: Wed 30th September

The Bachelor of Information Technology Co-operative Scholarship Programme provides students with $15, 500 per year of study, and two six month full-time industry placements with sponsor organisations. There are two rounds of applications in 2015 for the 2016 intake. http://www.uts.edu.au/future-students/information-technology/essential-information/how-apply/how-apply-bit

UTS

New Digital Course Guides: New interactive course guides are designed to help students explore their UTS course and career options in new and engaging ways. https://www.uts.edu.au/ future-students/teachers/tools-and-resources/course-guides

UTS INSEARCH


University of New South Wales (UNSW)

Future Students - Key Dates 2015:
> UNSW Open Day: Saturday 5th September
> A Day @ UNSW - Dates: Thursday 24th November, 10th December and Friday 11th December.

Australian Catholic University (ACU)

New Undergraduate Double Degrees: ACU Health Sciences is introducing a number of new double degrees in 2016:
> Bachelor of Teaching/Bachelor of Exercise Science (Brisbane, Canberra, Melbourne, Strathfield)
> Bachelor of Laws/Bachelor of Biomedical Science (Melbourne, North Sydney)
> Bachelor of Biomedical Science/Bachelor of Business Administration (Brisbane, Melbourne, North Sydney)
> Bachelor of Biomedical Science/Bachelor of Applied Public Health (Brisbane, Melbourne, North Sydney and Strathfield).

These degrees are still subject to final approval. Website: http://www.acu.edu.au/about_acu/faculties_institutes_and_centres/health_sciences/course_updates/new_undergrad_double_degrees_for_2016

ACU Elite Athlete Programme

ACU’s Elite Athlete Programme has been established to support future and current students who have maintained a record of excellence in sporting performance throughout their studies and wish to pursue a sporting career alongside an academic one. Future students deemed to be Elite Athletes will be eligible to receive up to five bonus points towards an entry score and greater flexibility when studying at ACU. http://www.acu.edu.au/study_at_acu/alternative_entry/elite_athlete_programme

University of Wollongong

Early Admission: Applications open Mon 3rd August. University of Wollongong early admission enables students to gain entry into university before receiving theirATAR. For more information visit: http://www.uow.edu.au/future/early-admission/index.html To view a video on interview tips for early admission, visit: https://www.youtube.com/watch?v=fFzfXKhHuvkY

Macquarie University

New Pathways into Law: Students who will have been admitted to a non-law degree at Macquarie University in 2016 will be able to apply for admission to the Pre-Law Pathway prior to their first session of studies. To gain entry into the Pre-Law Pathway prospective students are required to have completed the HSC in 2015, achieved an ATAR above 93, and be accepted into an
Attendees will learn more about our Diplomas, Bachelors, Masters Open Day is a showcase of everything our college has to offer.

Macquarie University
Discovery Day
Fri 31st July, 9.30am – 2.00pm
Fri 6th November, 9.30am – 2.00pm
Thu 3rd December, 9.30am – 2.00pm
Fri 4th December, 9.30am – 2.00pm
Opportunities for year 10 students to get a feel for the campus, attend interactive workshops, and speak to lecturers and students about what it is like to study at Macquarie.
http://www.mq.edu.au/study/undergraduate/parents_and_teachers/teacher_information/macquarie_discovery_day/

Macquarie University
Global Leadership Entry Programme for Year 12 Students: Applications close: Sat 15th August. The Global Leadership programme provides students with the opportunity to gain practical skills through volunteering and participating in leadership activities in Australia and overseas. As part of the programme students will gain early entry into a limited number of Macquarie degrees and will also receive invitations to special events and pre-study programmes. The programme is open to Year 12 students who are not only doing academically well but are also leaders in their community. Contact: 1800 351 117 https://mq.edu.au/study/undergraduate/getting_in/entry_schemes_and_pathways/global_leadership_entry_program/

Australian National University
Academic Bonus Points: ANU awards academic bonus points to domestic students who have excelled in select subjects in Year 12 and have applied for an ANU Bachelor degree or Flexible double degree. Students who achieve the required results in the specified subjects will automatically have bonus points added to their ATAR. http://www.anu.edu.au/study/apply/academic-bonus-points

My Open Day
A website where you can find information about the upcoming open days at universities, TAFE and private colleges, as well as information about gap years and other career news. http://myopenday.com.au/

ACPE Open: Day GET MOVING by heading down to our ACPE Open Day! Find out exactly where a qualification from ACPE can take you and what steps you need to take in order to succeed in the industry. PLAY TO YOUR STRENGTHS and understand how you can live your dream career in sport, health, education or dance. Our Open Day will give you all the information you need about ACPE, student life and application procedures

Projects Abroad High School Volunteer Programmes Online Information Session: Projects Abroad invites you to join them on Wednesday 19th of August for an Online Info Session about High School Volunteer Projects over the summer of 2015/16. These programmes are designed for students in years 10 & 11. It is a free, interactive evening for students, parents and advisors alike. Register here http://www.projects-abroad.com.au/more-info/information-events/webinars/

AIE Open Day | Sunday 16th August Discover the courses designed to get you started in game development, 3D animation and visual effects at the AIE Open Day on Sunday 16th August. AIE campuses will be opening their doors to visitors eager to find out about full-time and part-time courses starting February 2016. The day will run from 10am to 3pm - http://www.aie.edu.au/openday

Alphacrucis College Open Day 2015 Alphacrucis College Open Day is a showcase of everything our college has to offer. Attendees will learn more about our Diplomas, Bachelors, Masters and Doctorates in Business, Music, Teaching, Counselling, Theology, Chaplaincy, Leadership, Ministry and Missions. Ideal for senior high school students, parents and career advisors. Learn more and register at: http://openday.ac.edu.au/

Register now for the Macleay College Open Day on Saturday 22 August! Experience the Macleay College difference at Open Day on Saturday 22 August. Learn about our courses in Journalism, Advertising and Business from lecturers working in the industry. Speak with current and past students about internships and careers after graduating. Take a tour of our amazing facilities and see our very own TV Studio in action! https://macleay.edu.au/campaign/open-day-august-22

UOW College - UOW SYDNEY CBD OPEN DAY 2015 The UOW College will be exhibiting at the UOW SYDNEY CBD OPEN DAY on the 29th of August at the Sydney CBD Campus located in the Gateway Building, Circular Quay. We will be available to speak to the UOW College Diploma of Business (Business Administration) which is run once a year at the CBD Campus. Further information can be found at - http://business.uow.edu.au/news-events/sydney-open-day/index.html

University of Sydney
Open Day: Sat 29th August, Camperdown. Explore the university campus and student life, get academic advice and attend mini lectures http://sydney.edu.au/open_day/

University of Western Sydney
Open Day: Sun 30th August, 10.00am-2.00pm, UWS Parramatta Campus. Meet academic staff, attend course presentations, get scholarship information and learn about pathways into UWS http://openday.uws.edu.au/index.php

Macquarie University
Open Day: Sat 12th September, North Ryde Attend mini-lectures on Macquarie University degrees, explore the campus, obtain information about alternative pathways and speak to academics about specific degrees and units http://www.mq.edu.au/openday/

University of Newcastle
Open Days: Sat 22nd August. Meet academic staff, attend course presentations, get scholarship information and learn about pathways into UNCL http://www.newcastle.edu.au/future-students/key-dates

Australian Defence Force Army
Sat 29th August, 9.00am – 4.00pm, Northcott Drive in Campbell, ACT. Defence and University staff will be available to provide careers and course information. ADFA Navy Midshipmen and Army and Air Force Officer Cadets will also be available to talk to attendees about life at ADFA. Open Day will also provide an opportunity to see a range of displays from the Army, Navy and Airforce. Contact +61 2 6268 8201 or student.recruitment@adfa.edu.au http://www.openday.adfa.edu.au/about.html

Australian Defence Force Academy (ADFA)
Applications: It is advised that students wishing to study at ADFA apply in Year 11 as it is a competitive selection process which may take up to 12 months to complete. Gaining entry to ADFA is a dual process requiring students to apply directly to the Australian Defence Force while also applying concurrently to UNSW ADFA through UAC. An offer to study at ADFA is conditional to meeting the academic requirements of UNSW as well as the mental and physical requirements of the Australian Defence Force. http://www.defencejobs.gov.au/education/adfa/howToApply/admissionProcess.aspx

University of Canberra
Open Day: Sat 29th August, University Drive, Bruce. View the facilities and speak to academic staff and current students to learn about the courses available. http://www.canberra.edu.au/openday
www.trinity.nsw.edu.au

Australian Catholic University
Open Days:
- Canberra: Sat 29th August
- North Sydney: Sat 5th September
- Strathfield: Sat 12th September
http://www.acu.edu.au/study_at_acu/courses/applying_to_acu/experience_uni_before_you_start/open_day

University of Notre Dame
Open Day: Sat 29th August, 9.00am – 3.00pm, Broadway Site, 104 Broadway, Chippendale. Contact: (02) 8204 4404 or pso@nd.edu.au http://www.notredame.edu.au/openday/

UTS
Open Day: Sat 29th August, 9.00am – 4.00pm, UTS City Campus. Visit the campus, attend a range of information sessions and talk one-on-one with UTS academics, staff and current students. http://www.uts.edu.au/future-students/open-day

University of Wollongong
Open Day: Sat 15th August, Northfields Ave, Wollongong
Tours and information sessions covering degrees, scholarships and communication will be held throughout the day. http://www.ouw.edu.au/openday/index.html

Australian National University
Open Day: Sat 29th August, 10.00am – 4.00pm
Learn about the courses available, speak to staff and students, and view accommodation options available for interstate students. Contact: student.recruitment@anu.edu.au
http://www.anu.edu.au/study/anu-open-day-2015

Sydney TAFE
Open Day: Sat 29th August, 9.00am – 3.00pm, Harris St, Ultimo
Over 100 information sessions will be held throughout the day with staff, graduates and employers available to speak to prospective students. Contact: 1300 360 601 http://sydneytafe.edu.au/news/events/events/sydney-tafe-open-day

My Future Scholarships
The My Future website currently lists over 4000 undergraduate and postgraduate scholarships. The type of support ranges from course fees, accommodation, grants, and travel within or outside Australia, and covers fields of study across all Australian universities. To view, visit: http://www.myfuture.edu.au/tools-and-resources/study-or-training-options/scholarshipsearch

Macquarie University
Macquarie’s Global Leadership Entry Programme: Applications are now open for Macquarie’s Global Leadership Entry Programme. Designed for the best and brightest Year 12 students, it will develop and inspire students to be a global leader of tomorrow. We’re looking for an all-rounder who’s not only achieving great academic results, but also involved outside the classroom or in the community. Applications close 15 August. Apply at www.mq.edu.au/glep

Australian Catholic University
Early Achievers’ Programme: ACU recognises that you have more to offer than your academic results. Our Early Achievers’ Programme considers the contribution you have made to your community through your school or workplace, local community organisation, cultural and/or religious group. Applications open 10 August and close 19 October, 2015. For more information please visit www.acu.edu.au/early-achievers

The University of Notre Dame
Young Achievers Early Offer applications close: 31st Jul 2015, 104 Broadway (PO Box 944) Broadway NSW 2007
Contact: Anne-Marie McCarthy: sydney@nd.edu.au / 02 8204 4404.
Submit your application for the Notre Dame Young Achievers Early Offer programme before 31 July 2015. Give us a call or approach your Career Advisor for more details.

Other Programmes and Courses

Turning Point Consulting
Resume Writing and Interview Skills, Turning Point Consulting, Your Time and Date: Book now for you’re in school career workshops of resume writing and/or interview skills! We come to you, throughout NSW and ACT, and provide tangible examples from personal experience hiring individuals. Supporting your programme for engagement, read more at http://www.turningpointconsulting.com.au/student-events-calendar/ or call Kathryn 0478 570 707 to discuss.

Career Assessment and Coaching, Turning Point Consulting, throughout the year: Assisting students throughout their transition into the workforce we offer one-on-one strengths-based career consultations to support students in seeing their value and so potential career pathways. With experience in a range of industries we are able to build confidence as well as career tools to deliver outcomes. Partnering students to professionals, call Kathryn 0478 570 707 to discuss.

WEP Student Exchange Programmes
Applications Closing Soon: 2015/16 WEP Student Exchange Programmes - Applications for programmes to over 25 countries starting in November ‘15 and January ‘16 are closing soon. To request comprehensive programme information, please visit www.wep.org.au, email info@wep.org.au or call 1300 884 733.

Projects Abroad
Volunteer Overseas Information Evening: Projects Abroad offer volunteering opportunities in 29 countries across the developing world, ideal for gap years or schoolies. The Sydney information evening will run on 4th August at 6.30. Meet staff and volunteers to learn about overseas volunteering questions, choosing a placement, safety and planning. Register here: http://www.projects-abroad.com.au/more-info/information-events/

UNE
Direct Early Entry Programme Now Open
Applications close Fri 11th September. UNE’s Early Entry Programme allows students to gain entry into UNE before they receive their ATAR. Students are required to apply online and have a representative from their school confirm details of their application before they are considered for early entry by UNE. 2016 applications for UNE early entry programme are fully online. Schools are required to register for the Early Entry Programme to enable students to apply. http://www.une.edu.au/study/study-on-campus/get-early-entry

ACU
Early Achievers’ Programme: Applications Open: Monday 10 August 2015, Applications Close: Monday 19 October 2015. The Early Achievers’ Programme considers the contribution you have made to your community through your school or workplace, local community organisation, cultural and/or religious group. One of the biggest benefits of the programme is that successful applicants receive an offer well ahead of the usual tertiary admissions announcements. http://www.acu.edu.au/study/at_acu/alternative_entry/early_entry

Australian Defence Force
Information Sessions:
> Sydney – Air Force: Monday 27th July, 6.30pm, Level 4, 9 George Street, Parramatta.
> Wollongong – Defence Careers: Wednesday 29th July, 25 Atchison Street
> Sydney – Commando: Thursday 30th July, 6.30pm, Level 4, 9 George Street, Parramatta.
> https://www.facebook.com/DefenceJobsAustralia/events

Dr Frederick Osman
Director of Vocational Education and RTO Manager (Careers Education)
Milton Cujes | Head Master | Friday 31 July 2015

CANTEEN | CAFETERIA ROSTER

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Head Master’s Bulletin | 31 July 2015