FROM THE MASTER OF THE JUNIOR SCHOOL

BLESSED ARE THOSE WHO MOURN, FOR THEY WILL BE COMFORTED.
BLESSED ARE THE MEEK, FOR THEY WILL INHERIT THE EARTH.
BLESSED ARE THOSE WHO HUNGER AND THIRST FOR RIGHTEOUSNESS, FOR THEY WILL BE FILLED.
BLESSED ARE THE MERCIFUL, FOR THEY WILL BE SHOWN MERCY.
MATTHEW 5:4-7

Dear Parents and Friends of the Junior School,

We celebrated a milestone this week as our youngest boys clocked their 100th day in Kindergarten. The occasion was marked with a party featuring all sorts of hundred activities, one hundred enquiries and a special visit from the boys’ wonderful 6O buddies. We all noted just how much the boys have grown in so many ways since their first day. So, how far through school will our Kindergarten boys be when they make it to their 1000th day?

In Year 3-6 Assembly this week, we spoke about our CoRe (Code of Respect) being more than a poster on the wall of our learning spaces. Our CoRe lists the values we should be striving to demonstrate in all our thoughts, words and actions. Respect for self, others and our School is at the heart of making good decisions and helps us to function as a kind and safe community. Sadly, we have recently been made all too aware of a number of events in our world where great hurt has been caused to many people when respect for life has not been evident. We discussed how respect, patience and tolerance for one another, even when others frustrate, annoy, hurt or anger us, are character traits that are at the heart of strong communities. I echo a message from last term that at Trinity, we never accept physical or verbal aggression as an acceptable action or response. If any parent feels that their son needs guidance in how to handle difficult situations with other students, I encourage you to speak with your son’s teacher, stage pastoral coordinator (K-2: Mrs Tredinnick; Years 3-4: Mr Brigden; Years 5-6: Mr Hassall) or the Deputy Master, Mr Hassall.

Over the last two weeks I have travelled to Brisbane and the Gold Coast with members of the Head Master’s Executive for our annual retreat and to Adelaide for a Mathematics PYP workshop. Across the fortnight I had wonderful opportunities to visit other independent schools and meet with staff from independent and government schools. Whilst I was exposed to some ideas that may hold promise for us, my overwhelming sense was that our own Junior School is a wonderful environment for boys to learn and grow. That said, there are many ways in which our school can grow and improve, and staff continue to reflect, refine and extend their own skills and methods to ensure that each boy receives an outstanding education.

Our Year 6 Charities leaders have been working hard to remind us all to support Soles 4 Souls. We are keen for all our boys to understand that charity is more than just bringing in a gold coin and can take many forms. Thank you to the many boys who have already donated sneakers, sport-specific shoes, men’s, women’s and children’s shoes (no doubt with a bit of parent help). The boxes for shoes are placed around the Junior School and will remain in place next week. Shoes need to be of reasonable quality (please, no ugg boots, slippers, heels or damaged shoes). We are aiming to collect 1000 pairs as a practical help for people who can not afford to buy new shoes for themselves.

At this stage, the forecast looks clear for Tuesday’s Junior and Preparatory School Track and Field Championships at Sydney Olympic Park Athletics Centre. Details are contained in the column.
from the Sportsmaster and in the letter already distributed. I remind boys catching the bus that these will depart the School at 7.45am and return for a 3.15pm dismissal. Choir will not be on Tuesday afternoon. Parents are welcome to come and enjoy the day with us.

On Friday, we are looking forward to many fathers and boys joining us for the Year 6 Father and Son Breakfast. For many fathers, this will be the last of the Junior School breakfasts after many years and many sons. We hope that many fathers will also stay for our Chapel service immediately following breakfast which should be finished by 9am. Bookings are essential and can be made via the Community Directory.

Winter Sport Photos and House Photos were taken yesterday during sports practice. Once all co-curricular photos have been taken for 2016 (we have a few more scheduled for later in Term 3), parents will be advised of how to purchase these on-line from Melba Studios.

If a boy is late to school, it is important that he comes by the Office to be signed in and have his Record Book stamped. Our older boys are generally very good at doing this but our younger students accompanied by parents are often taken directly to the classroom. The School must maintain accurate attendance records. Parents are asked to ensure that whenever you arrive at school after commencement (8.30am - Years 2-6; 8.45am Kindergarten & Year 1) that you sign your son in at the Office either on your way to the classroom or before leaving. Thank you for your cooperation with this request.

School policy is that any medicine is distributed by the Health Centre. Students should never have medication in their bags and teachers do not keep or distribute medication (except when on excursion/camp). If your son requires medication, please ensure that this is deposited at the Health Centre with clear instructions. The only exception is asthma puffers.

I remind our Year 6 boys that their attendance is expected at the Rugby 1st XV game tomorrow afternoon at school. The game commences at 3.15pm. Boys have been asked to meet in the Main Quadrangle between 2.30 and 2.45pm to have their attendance recorded before being seated together at the game.

Mark Dunn | Master of the Junior School

# Dates for the Diary

**TERM 3**

<table>
<thead>
<tr>
<th>Week 3</th>
<th>Tuesday, 2nd August</th>
<th>Track &amp; Field – House Championships (SOPAC main arena)</th>
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<tr>
<td></td>
<td>Wednesday, 3rd August</td>
<td>ICAS English Competition</td>
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<td>Thursday, 4th August</td>
<td>4.00pm-5.00pm Minimites – Programme (1)</td>
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<td>Friday, 5th August</td>
<td>9.00am Junior School Auxiliary Meeting</td>
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<td>Saturday, 6th August</td>
<td>7.30am Year 6 - Father and Son Breakfast &amp; Chapel Service</td>
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<td>Week 4</td>
<td>Wednesday, 10th August</td>
<td>Sport – Winter Round 10</td>
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<td></td>
<td>Saturday, 13th August</td>
<td>4.00pm - 5.00pm Minimites – Programme (2)</td>
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<tr>
<td>Week 5</td>
<td>Tuesday, 16th August</td>
<td>8.00am - 11.00am Track &amp; Field – Invitation (Newington) (SOPAC warm-up track)</td>
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<tr>
<td></td>
<td>Wednesday, 17th August</td>
<td>ICAS Mathematics Competition</td>
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<td></td>
<td>Thursday, 18th August</td>
<td>1.50pm Year 7 vs Junior/Prep Schools 1st XI &amp; 1st XV</td>
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<td>Friday, 19th August</td>
<td>Primary Years – Trinity Arts Festival commences</td>
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<td></td>
<td>Saturday, 20th August</td>
<td>Year 2 – Elizabeth House Excursion</td>
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<td></td>
<td>5.15pm - 7pm Primary Years – Art Exhibition opening and Music Performance</td>
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<td></td>
<td>9.00am - 10.am Open Day</td>
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**Absentee Instructions**

Listed below, in preference order, are the methods available for Absentee reporting that would assist the Office:

1. Use the Trinity Grammar School phone APP and follow the prompts (From the APP home page select Junior School the select Absentee Form to open the absentee form). Instructions for installing the APP on your phone can be found by click here.

2. Using the Absentee email address jsabsentee@trinity.nsw.edu.au

   Also, if you wish, you can ‘CC’ the class teacher on this email.

3. Lastly, you can phone 9581 6144 and leave a message with your son’s name and class

**Calling All Parents! Can You Help?**

We need assistance preparing and mounting art works for the Junior School Art Show. If you are free on Tuesday 2nd and Wednesday 3rd August from 9am - 11am, we would greatly appreciate your help and would love to hear from you. We will be meeting in the Junior School Art room. For more information, please contact Ronnie Pratt, email rpratt@trinity.nsw.edu.au
WELCOME TO OUR 2016 ANNUAL GIVING APPEAL

Our Annual Giving Appeal provides an opportunity for all members of the Trinity community to invest in the school and all gifts are greatly appreciated. There are a number of ways you may choose to give towards the ongoing development of the School. Please click on the icon to the right for more information about our Annual Giving Appeal. Stephen Heanly | Director of Community Relations

TRINITY GRAMMAR SCHOOL
2016 ANNUAL GIVING APPEAL

ONE OF THE HEALTHIEST THINGS WE CAN DO IS TO GIVE
(Thomas Nielson, 2010)

CLICK HERE FOR MORE INFORMATION

DONATE NOW

AWARDS

KM
Jordan Armenis
David Ghaly

1H
Harry Hartzenberg
Harry Volikas

1W
Benji Elassal
Tom Henry

2A
Christopher Dimou
James Alha

2T
Kody Murphy
Asher Paoli
Lucas Fan

3K
Harry Clegg
Ethan La
Nikola Lujic

3N
Ignatius Cesarano
Terry Dong
Zac Jandera
Michael Metlege

4R
Ethan Chan
Oscar Parsons
Luca Razza

5B
Finn Denney
Kyle Tran

5C
Ali Hijazi
Hussein Naji

5M
Jonah Arraj
Mark Charas
Daniel Koothoor

6D
Tom De Szoeka
Aiden Lee

6G
Mitchell Majanggil
Hassan Mourad
James Oeser

6O
Felix Leckie
Hugo Miller
Omkar Pednekar
Oliver Walker

CREDIT CARD SURCHARGE

For many years now, the School has accepted credit card payment for tuition and other fees and borne the amounts of the processing charges imposed by the banks and credit card companies on those transactions.

As the use of credit cards has increased, these charges have now become prohibitively expensive for the School.

As a service to our community, we will continue to accept credit card payment. However, from the 1st August 2016, the following surcharges will be applied:

- 0.75% for Visa and MasterCard payments; and
- 1.25% for American Express and other accepted card payments.

There are no changes to the other payment methods offered by the School. For information on all payment options, please visit the School’s website https://www.trinity.nsw.edu.au/enrol/#fees-payment-options

The savings achieved by the surcharges will be used to support the academic and pastoral mission of the School and contribute to the continued quality of the educational experience for our students.

If you have any questions about this change or any of the payment options available, please email me at cdungan@trinity.nsw.edu.au or phone 9581 6027.

Yours sincerely,
Campbell Dungan | Bursar
ART CLUB

This term, the Infants Art club have been making paper! We soaked coloured recycled, shredded paper then mashed and mixed it up to make paper pulp. We had great fun working in groups to press the pulp onto wooden frames.

We were amazed by our results. A week later, they had dried and turned into unique and colourful pieces of paper!

Over the next few weeks, we will be turning our sheets of paper into books!

Mrs Clark and Mrs McGuinness

FRIENDS OF FOOTBALL DINNER

CANTERBURY LEAGUES CLUB
in the Leagues Terrace Room | 26 Bridge Road, Belmore
on SATURDAY 13TH AUGUST 2016 at 7.30pm

GUEST SPEAKERS
SBS Legend Les Murray and former Socceroo now Trinity Football Coach Wally Savor

Cost $120 per person (includes 3 course meal, drinks and DJ)

Dress Lounge suit

RSVP by Sunday 7th August online via trinitycommunity.com.au

Please note: accommodation discounts are available at the Pullman and Novotel Hotels.

For further information please email Judy Taylor at judy@hipkneeclinic.com.au

TRINITY GRAMMAR SCHOOL

FRIENDS OF RUGBY ANNUAL DINNER

from 7pm to 11pm
at The Stables, Sydney Olympic Park
on SATURDAY 13TH AUGUST, 2016

COST $150 per head

DRESS lounge suit/cocktail

RSVP online via the Trinity Online Community Directory (trinitycommunity.com.au) CLICK HERE TO RSVP NOW
HOLIDAY FOOTBALL CLINIC

In the third week of the July holidays, boys from Kindergarten to Year 9 had the opportunity to partake in a four day Football Clinic. It was conducted in the Sports Centre and on TGS 2. Boys had the opportunity to develop the core skills of ball control, dribbling, 1v1 and striking the ball. Many mini World Cup and Euro tournaments were conducted throughout the week. Of note was how third placed Argentina made it to the Grand Final. With five seconds left on the clock of the Grand Final, Stefano Furlan (4Hi) scored for Argentina. Furlan then went onto score the winner in Golden Goal. Thank you to all boys for participating and thank you to the coaching staff for their efforts across the week. In particular, thank you to former NSL player David Barrett for his help and organisation with the clinic.

For your information, the next clinic is in the second week of the coming holidays between Tuesday 4th to Friday 7th October. Click here to register for the October Holiday Football Clinic.

TRINITY GRAMMAR SCHOOL SCHOOL PRAYER

Our next meeting is Tuesday August 9 from 8.30am to 9.30am. We meet at reception in the Junior School Building, and everyone is welcome to join as we 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.

RUGBY CLINIC TERM 3 2016

Date Term 3 | Commencing Friday 22nd July
Time 15.45 to 17.00
Location No 3 Oval | Summer Hill Campus
Cost $125

Dear Parents,

‘Primary Rugby Clinic’ will be running again in Term 3. The clinic is open to Preparatory and Junior school boys in Years 3 to 6.

There will be a clinic offered on Friday afternoons (3.45pm-5pm) on Oval 3 of the Summer Hill campus. It will commence in Week 1 of Term 3, Friday 22nd July and run for the Term, concluding Friday 23rd September.

A minimum of 12 boys will be required for each session to run.

The clinic will develop handling skills, evasive footwork, spatial awareness and game sense. The training is designed to be fun and fast with the emphasis on non-contact skills and modified contact games. The program will be delivered by Mr. Jack Farrer, an old boy who has coached at Sydney Premiership First Grade and National Rugby Championship levels.

The cost of the Rugby Clinic is $125 for the term.

Payment for this activity is required prior to attendance. Please note prep school boys may have to make their own travel arrangements, as spaces on the bus to the Summer Hill campus are limited. Boys should wear any school sports clothing and bring mouth guards and boots.

If you require any additional information, please contact Lachlan White at lwhite@trinity.nsw.edu.au or Jack Farrer at jfarrer@trinity.nsw.edu.au

TRINITY GRAMMAR SCHOOL

FRIENDS OF FOOTBALL DINNER

CANTERBURY LEAGUES CLUB

in the Leagues Terrace Room | 26 Bridge Road, Belmore

on SATURDAY 13TH AUGUST 2016 at 7.30pm

GUEST SPEAKERS SBS Legend Les Murray and former Socceroo now Trinity Football Coach Wally Savor

Cost $120 per person (includes 3 course meal, drinks and DJ)
Dress Lounge suit
RSVP by Sunday 7th August

CLICK HERE TO RSVP NOW
IPSHEA SPORT ROUND 8

Despite a Friday night downfall causing cancellations of football matches at Bressington Park, there was still a significant amount of games that took place last Saturday with some positive results. Our 1st XI Football team continue their impressive performances beating a spirited Redlands 2-1. In the rugby our 11A XII had a fantastic game against Central Coast Grammar winning strongly 21-15. Parents please note that there will be no Tuesday morning training next week due to the Track and Field Championships.

TEAM OF THE WEEK

Our 1st XV Rugby are the ‘team of the week’ for Round 8. The team led by their coach Mr O’Young started very strongly on the weekend taking a commanding 19-0 lead. Tudor House fought back to close the score line and eventually take the game away from the Trinity team. I am thrilled with the way our boys handled the tough loss by maintaining enthusiasm and supporting each other throughout the game.

SPORTS INJURIES

As with all contact sports there are occasionally injuries that must be taken seriously. At all games there are staff present who have training in first aid. Should a suspected serious injury occur, the referee will suspend the game until precautionary measures are taken to ensure the safety of the injured player. During this time parents not directly involved, are asked to remain on the sidelines so correct procedures can take place. Should the injury be deemed serious enough to end the game early, we ask that parents and students refrain from crowding the injured player. The coaches will assist in the management of such events and report the matters directly to the School. Should you require any further information please feel welcome to call or email me.

TRACK AND FIELD CARNIVAL

On Tuesday the 2nd of August our Track and Field Carnival takes place at the Sydney Olympic Park Athletics Centre. As the letter indicates, buses will be leaving from the Junior School at 7:45am and returning 3:15pm back at school. Students being driven by their parents need to be there at 8:30am and picked up no later than 2:45pm. Boys running in the 800m events will need to make their own way to the carnival and arrive by 7:50am for an 8:15am start.

SPORT RESULTS | SATURDAY, 23RD JULY | ROUND 7

**RUGBY**

| 1st XV | Tudor House defeated Trinity (38-24) |
| Best and Fairest | Dean Paraskevopoulos |
| Encouragement | Tom Mackie, Elias Sidiropolous, |
| Open 7s | Trinity drew to Scots Blue (3-3) |
| Best and Fairest | James Brockie |
| Encouragement | Joshua van der Goot |
| 11A XII | Trinity defeated Central Coast (21-15) |
| Best and Fairest | Clark Foley |
| Encouragement | Joshua Nehme |
| Under 11 7s | Trinity defeated Riverview (3-1) |
| Best and Fairest | Jonah Arraj and Cooper Twine |
| Encouragement | Timothy Braga |
| 10A XII | Knox defeated Trinity (42-0) |
| Best and Fairest | William Vaughan, Eddy Ajami, George Louizos |
| Encouragement | Zac Alshehabi |
| Under 10 7s White | Scots defeated Trinity (5-1) |
| Best and Fairest | Luke Raptis |
| Encouragement | Ben Moloney |
| Under 10 7s Green | Scots defeated Trinity (6-1) |
| Best and Fairest | Alexander Heather |
| Encouragement | William Cicinelli |

**FOOTBALL**

| 1st XI | Trinity defeated Redlands (2-1) |
| Best and Fairest | Isaac Cunningham |
| Encouragement | Hussein Naji |
| 2nd XI | Redlands defeated Trinity (2-1) |
| Best and Fairest | William Maistry |
| Encouragement | Jake Paraskevopoulos |
| 3rd XI | Trinity drew to Redlands (2-2) |
| Encouragement | Nathan Wu |

Chris Allum | Sportsmaster
**SOCIETY OF THE ARTS**

One of Spain’s great classical guitarists, Ricardo Gallén, will be coming to Australia next month for the Adelaide Guitar Festival.

Before he performs as soloist with the Adelaide Symphony Orchestra, he will be giving a special recital in Sydney for Trinity’s Society of the Arts. The program will be focussed on Latin American composers, including a piece written especially for him by Cuban composer Leo Brouwer, plus works by Agustín Barrios, Antonio Lauro and the much-loved “Prelude No. 1” by Heitor Villa-Lobos.

Born in Linares, Spain, Gallén began playing classical guitar at the age of four, performing in public just a year later. At the age of ten he entered the Conservatory of Music in Cordoba, embarking on a career which has taken him to the great concert halls of the world. In 2009 he was the youngest professorial appointment at the Franz Liszt Academy in Weimar.

Proudly presented by Trinity Grammar School’s Society of the Arts in association with the Cervantes Institute and the Adelaide Guitar Festival.

**When**  
Tuesday 9 August, 7.30pm

**Where**  
Orchestra Room, Roderick West School of Music

**Tickets**  
$20 concession / $30 full. Free admission for Trinity students and Society of the Arts Members.

**Bookings**  
[click here to book now](#)

**Concert duration**  
approx 60 mins (no interval)

Listen online: Ricardo Gallén playing Three Spanish Pieces by Emilio Pujol - [https://youtu.be/BJB9o480Hts](https://youtu.be/BJB9o480Hts)

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**NOW SHOWING AT DELMAR GALLERY**

**JAMES FARDOULYS & DEAN MANNING**

If you haven’t had a chance to see our current exhibition, don’t delay! The Air is Free closes this Sunday, 5pm. The gallery is open Saturday and Sunday, 12-5pm.

Sourced from private and public collections, this is the first substantial exhibition in Sydney in decades of one of Australia’s best naïve painters, James Fardoulys (1900 – 1975). Fardoulys’ fantastically idiosyncratic paintings of Australiana are set in dialogue with new works developed in Athens by an artist sharing his Greek heritage, Dean Manning.

If you visit the Archibald Prize currently on show at the Art Gallery of NSW, you’ll see another of Dean Manning’s folk-inspired paintings. Some of his works at Delmar Gallery are still available for purchase (though selling fast).

The Trinity Cubs, Scouts and Venturers returned to the hall again this week. There was a definite hum in the hall with scouts on parade after a term break. Not that it was much of a break with Ryan Snowsill (7Ho); Harrison Brown (7Du); and Aiden Murphy (7Du) completing their Scout Youth Leadership Course.

James Hull (10WH) joined scout leaders from the area to provide catering for NavShield – an orienteering competition for emergency services, rogainers and bushwalkers – that was held this year at Wombeyan Caves. Trinity Scout Leaders and adult helpers, Gemma Bilac, David Snowsill, Gavin Brown and Nick Bilac also competed in the event coming a respectful 7th in their division which is a great effort for first time participants as they also obtained a point score above many in the emergency services teams.

After some quick games in the hall the cubs and scouts ventured out for a couple of rounds of their favourite game, sardines, before returning to the scout store room to undertake the 5litre pot challenge. Each patrol had to prepare gear that is needed for two scouts to go on an overnight hike and fit it into a 5 litre billy with the exception of clothes, sleeping bag and food. It was a great challenge as the scouts sent the cubs into the store to find certain items. Noting that our large 8 man tents will not fit in a 5 litre billy, the scouts sought to create improvised shelters with a lightweight tarp, some guy ropes and small tent-pegs, a small first aid kit was also picked along with matches, cooking tongs, and knife, fork and spoons. One group also added a candle to use as a fire starter and light, while the other patrol packed some hand sanitiser being mindful of hygiene at camp.

This weekend the cubs and scouts are participating in the Planet Ark National Tree Day on Sunday at Haberfield as they Join scouts and venturers from Haberfield and other groups in the area.

On Monday the cubs and scouts will be participating in World Scout Scarf Day where all active and former scouts are requested to wear their scout scarfs in public to make the “Spirit of Scouting” visible: Once a Scout - Always a Scout! The date of the event commemorates the very first Scout Camp on Brownsea Island in 1907. Of course, the scarf is only a symbol but a strong symbol for the scout promise and for our mission to leave the world as a bit better a place than we had found it.

Congratulations to Ryan Snowsill and Aiden Murphy who have both been appointed Assistant Patrol Leaders. Also to the following scouts for badges completed over the holiday break:

- Oliver Kreis (4Yo) – Animals achievement badge level 1
- William Brown (4Ta) – Technology achievement badge level 1
- Paul Audi (7Ar) – Pioneer Citizenship; proficiency badges in Fire Awareness, Art, and Collector
- Aiden Murphy (7Du) – proficiency badges in Individual Sports, Information Technology, and Trade

Special congratulations also to our volunteer parent, Gavin Brown, for completing his Scout leader training (and learning to tie a turkshead woggle!). Gavin has adopted the scouting name “G2”.

All students interested in Scouting are welcome at 3rd Summer Hill (Trinity Grammar) – the Group is currently running programs for all Trinity boys from 7.5 years up to 10.5 years (Cubs); 10 years up to 15 years (Scouts); and 15 years up to 18 years (Venturers). The Group meets in the old gymnasium at Summer Hill Campus on Tuesday evenings from 6pm to 7:30pm.

Leader Contact:
Group Leader: David Hull (Chil)
mobile 0411 853 798
group email 3rd.summer.hill@TrinityScouts.com

The Trinity app

The Trinity app is available from the App Store and from Google play for you to download. The app has been designed to provide up to date information for our on the go community. Information such as sporting fixtures, wet weather updates, calendar dates and even the latest newsletters.

It will also allow you to notify the School of your son’s absence and provides an avenue to contact certain staff and leaders of our community groups. We hope the Trinity app makes life just that little bit easier. Please email any feedback you may have to info@trinity.nsw.edu.au
MATHEMATICS CLUB MATTERS

It was pleasing to see there were many submissions to and much interest in the problems in Bulletin I 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, Christian Becvarovski (7Ar) and Flynn Innes (10Mu) 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 40 can expressed as the sum of two prime numbers in 3 ways. The answer for the Senior School Problem was that 20 terms are odd. Complete worked solutions for the Middle School and Senior School problem have been posted outside the Mathematics Department office.

ITS HISTORY AND FUTURE REFLECTIONS (22 OVER 7)
by Flynn Innes (10Mu)

The “Mathematics Club” at the School was pleased to celebrate Pi Day (22 over 7) on the Twenty-second day of the Seventh Month by a special event on “Pi: Its History and Future” presented by Hugh Colburn.

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. The Mathematics Club was very fortunate to have Hugh Colburn to give his time and share his Mathematical interest with our boys.

The desire to understand π, the challenge (and originally the need) to calculate ever more accurate values of π - the ratio of the circumference of a circle to its diameter - has captured mathematicians, great and less great, for many, many centuries. With the substantial development of computer technology in the 1950s, was computed to thousands and then millions of digits. These computations were greatly facilitated by the discovery soon after of advanced algorithms for the underlying high-precision arithmetic operations. And, especially recently, π has provided many compelling examples of experimental (or computational) mathematics. π uniquely in mathematics, is pervasive in popular culture and the popular imagination. Fascination with Pi is evidenced by many recent popular books, television shows, and movies – even perfume – that mentioned π.

From antiquity, mathematicians have known that the ratio, denoted by π, of the circumference of a circle to its diameter, is a constant. Archimedes, without using decimal points or the number zero, calculated that value over two thousand years ago, with more than 99% accuracy. It is also one of the four fundamental mathematical constants in Euler’s formula.

This talk discussed why this simple ratio is so important, how it is approximated and provided some examples of the many areas in mathematics and physics, with no obvious connections to circles, in which π appears. The presentation entailed many wonderful facts about π, including the history of π (as it turns out π dates back to approximately 3000BC), how it came about and the various approximations of it throughout the ages. He showed us just how important a number like π is and how integral it is to our world of numbers. Much to their surprise the boys discovered that Pi is involved with the number of needles that cross lines on the floor if you scatter them randomly, integrals, trigonometry and even the Babylonian number system.

The talk further discussed the mystery and fascination that surrounds Pi. We saw that π is an elusive number, being both irrational (it cannot be represented as a ratio of whole numbers, and therefore has an infinite non-repeating decimal expansion) and transcendental (it cannot be reproduced from 1 using only the algebraic operations: addition, subtraction, multiplication, division, and nth roots). The proof of the latter finally put paid, in the 18th century, to the problem of squaring the circle: with straight edge and compass it is impossible to produce a square with the same area as a given circle.

As we have seen, the life of Pi captures a great deal of mathematics — algebraic, geometric and analytic, both pure and applied — along with some history and philosophy. The Mathematics Club thanks Mr. Colburn for his stimulating presentation on Pi: Its History and Future. Our thanks also go to Dr Frederick Osman and Mr Scott for organising the event and a big thank you to Mr Ogier for baking some beautiful Apple Pies for the Mathematics Staff.

This week’s problem for bulletin II:

1. Years 7-9: Middle School Problem
Due on Monday 1 August 2016

A telephone call costs 25c for the first three minutes and 3c for each additional minute. If Jason pays 40c for a call, for how many minutes does the call last? Please show working to justify your answer!

2. Years 10-12: Senior School Problem
Due on Monday 1 August 2016

The product of two whole numbers is 48. The average of the two numbers is 8. Find the larger of the two numbers. Please show working to justify your answer!

Please place your name and House group with your submission by Monday lunch-time (1.10PM) at the Mathematics Department Office.

Dr Frederick Osman | MIC Mathematics Club
YEARS K TO 9 FOOTBALL CLINIC
OCTOBER SCHOOL HOLIDAYS
TUESDAY 4TH OCTOBER TO FRIDAY 7TH OCTOBER

Boys from Kindergarten to Year 9 have a magnificent opportunity to attend the Trinity Grammar School Football Clinic in the October Holidays. Benefits of participating at this camp include:

- 24 hours of football tuition over four days.
- Participants train as per the Football Federation Australia National Curriculum.
- 5-8 year old participants focus on natural development (in Striking the Ball, Running with the Ball and 1v1) through fun football exercises and games.
- 9-13 year old participants focus exclusively on improving their technical skills in the areas of first touch, striking the ball, running with the ball and 1v1.
- 14-15 year old participants focus on improving the above technical skills and learning how to apply these core skills in a functional way.
- Middle School participants have opportunity to partake in video analysis using Game Breaker Software. The video analysis viewing facility includes the newly refurbished 110 seat Latham Theatre.
- Training facilities include a synthetic all weather football field and three indoor basketball courts.
- Participants play in mini tournaments that replicate the ‘A-League/Champions League/World Cup’.
- Participants are tiered according to their playing level.
- All participants receive BBQ on Monday and Thursday.
- Drinks and fruit provided each day.
- Coaching Staff are fully qualified coaches who were former distinguished Football players. Leading coaches will be David Barrett and Luke Gray, both current school teachers at Westfield’s Sports High and Trinity Grammar School respectively. David played well over 300 National Soccer League games and Luke is MIC and Director of Football Coaching at Trinity and is the current 1st XI coach.
- See the following link for footage from the 2015 April Holiday Clinic https://youtu.be/5Oj9_gbgiq4

THE DETAILS

Where  Trinity Grammar School, Summer Hill
When  Tuesday 4th October to Friday 7th October
Time  9am to 3pm (check in at 8:45am Tuesday only)
Bring  Football boots, indoor shoes, sunscreen, hat, and water bottle. Bring your own Football.
Cost  $280. BOOKING and PAYMENT made by clicking on the following link at Trinity Online Community Website.

IF BAD WEATHER  No Cancellations

CANCELLATION FEE  20% cancellation fee occurs after Wednesday 21st September, 2016

Enquiries To:  Mr Luke Gray email lgray@trinity.nsw.edu.au or mobile 0406 236 768

CLICK HERE TO REGISTER ONLINE
Once again Trinity Basketball will be offering a Winter Basketball Programme, which is open to Junior and Preparatory School boys from Years 4 - 6 who currently play Basketball.

The “Skills and Drills” will be held on Monday mornings from 7.00am – 8.00am in the Trinity Sports Centre during Term 3.

The programme will develop shooting, ball handling and passing skills, along with team concepts and game awareness. It is designed for boys who are passionate about Basketball and of taking their game to the next level.

**Cost**

The cost will be $120 for Term 3 (8 sessions) and the Programme will commence on **Monday 25th July** and all boys must be registered before the first session.

**Transport for Preparatory School Students**

Preparatory boys who register for the programme have the option of catching the Trinity bus (to the Strathfield campus). Following training, a member of staff will accompany those catching the bus from the Sports Centre courts to the Trinity bus.

**Coaching**

Dane Ristovski who was part of the Coaching Staff last year will once again be involved and the very experienced Sam Christodoulides will join him. Both Coaches have been part of Trinity Basketball firstly as a player in the 1st V for multiple seasons and then coaching our A/B Teams from Year 7-10 for the past 3 and 5 years respectively.

Fast link **click here** or **Go to the Trinity Grammar School website:**

Click on  
1. Community Directory
2. Event Bookings
3. Preparatory School or Junior School
4. Winter Basketball Skills

**Ben Morrissey** | MIC/Director of Basketball Coaching

**email** bmorrissey@trinity.nsw.edu.au
# Trinity Grammar School Junior School

## ROUND 9 SPORT

**Sporting Fixtures 30/07/2016**

<table>
<thead>
<tr>
<th>Team</th>
<th>Sport</th>
<th>Opposition</th>
<th>Location</th>
<th>Time</th>
<th>Coach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st XV</td>
<td>Rugby</td>
<td>Tudor House</td>
<td>Bressington #1</td>
<td>9:00am</td>
<td>Mr O'Young</td>
</tr>
<tr>
<td>1st XI</td>
<td>Football</td>
<td>Trinity Prep</td>
<td>Bressington #3</td>
<td>8:00am</td>
<td>Mr Borger</td>
</tr>
<tr>
<td>2nd XI</td>
<td>Football</td>
<td>Trinity Prep</td>
<td>Bressington #3</td>
<td>8:45am</td>
<td>Mrs Duke</td>
</tr>
<tr>
<td>3rd XI</td>
<td>Football</td>
<td>Trinity Prep</td>
<td>Bressington #3</td>
<td>9:30am</td>
<td>Mr Duke/ Mr Allum</td>
</tr>
<tr>
<td>11A</td>
<td>Football</td>
<td>Scots</td>
<td>David Phipps</td>
<td>8:00am</td>
<td>Mr Nóbrega</td>
</tr>
<tr>
<td>11B</td>
<td>Football</td>
<td>Scots</td>
<td>David Phipps</td>
<td>8:45am</td>
<td>Miss Cook</td>
</tr>
<tr>
<td>11C</td>
<td>Football</td>
<td>Scots</td>
<td>David Phipps</td>
<td>9:30am</td>
<td>Miss Hexton/ Mr Brooker</td>
</tr>
<tr>
<td>10A</td>
<td>Football</td>
<td>St Patrick's</td>
<td>Bressington #1</td>
<td>10:15am</td>
<td>Mrs Mitrokas/ Mr Bryant</td>
</tr>
<tr>
<td>10B</td>
<td>Football</td>
<td>St Patrick's</td>
<td>Bressington #1</td>
<td>10:15am</td>
<td>Mrs Mitrokas/ Mr Bryant</td>
</tr>
</tbody>
</table>

**Year 6 Rugby 7's**
- Rugby
- St Pat’s/ Scots
- Pioneer Park
- 11:20am
- Mr Gannon

**11A XII**
- Rugby
- Grammar St Ives
- Bressington #1
- 8:00am
- Mr Munnoch

**Year 5 Rugby 7's**
- Rugby
- Barker/ Scots
- Pioneer Park
- 10:20am
- Mrs Burke

**10A XII**
- Rugby
- Barker
- Taylor Field
- 9:30am
- Mr Niulala

**Year 4 Rugby 7 White**
- Rugby
- Kings/ Scots
- Pioneer Park
- 8:40am
- Mrs Toia

**Year 4 Rugby 7 Green**
- Rugby
- Scots/ Kings
- Pioneer Park
- 8:40am
- Mrs Toia

**Auxiliary Barbeque – Bressington Park**

Each Saturday during the winter season the Junior School Auxiliary run a BBQ at Bressington Park with the proceeds going towards facilities for the School. If your son has a scheduled fixture at Bressington Park it is encouraged that assistance is offered throughout the season. Don’t forget to support our Auxiliary by purchasing a bacon and egg roll!
<table>
<thead>
<tr>
<th>Team:</th>
<th>1st XV</th>
<th>Year 6 Rugby 7’s</th>
<th>11A XII</th>
<th>Year 5 Rugby 7’s</th>
<th>10A XII</th>
<th>10 Rugby 7 White</th>
<th>10 Rugby 7 Green</th>
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<tbody>
<tr>
<td>Vs:</td>
<td>Tudor House</td>
<td>Tudor House #1</td>
<td>Grammar St Ives</td>
<td>Bressington #1</td>
<td>Pioneer Park</td>
<td>Barker</td>
<td>Pioneer Park</td>
</tr>
<tr>
<td>Venue:</td>
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<td></td>
<td></td>
<td></td>
<td>Taylor Field</td>
<td></td>
</tr>
<tr>
<td>Field Address</td>
<td>Underwood Rd, Homebush</td>
<td>Franklin St &amp; Cromwell Pl Malabar</td>
<td>Underwood Rd, Homebush</td>
<td>Franklin St &amp; Cromwell Pl Malabar</td>
<td>Pacific Highway, Waitara</td>
<td>Franklin St &amp; Cromwell Pl Malabar</td>
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<tr>
<td>Report Time:</td>
<td>8:30am</td>
<td>10:50am</td>
<td>7:45am</td>
<td>9:50am</td>
<td>9:00am</td>
<td>8:10am</td>
<td>8:10am</td>
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<tr>
<td>Game Time:</td>
<td>9:00am</td>
<td>11:20am</td>
<td>8:00am</td>
<td>10:20am</td>
<td>9:30am</td>
<td>8:40am</td>
<td>8:40am</td>
</tr>
<tr>
<td>Coach:</td>
<td>Mr. O'Young</td>
<td>Mr. Gannon</td>
<td>Mr. Munnoch</td>
<td>Mrs. Burke</td>
<td>Mr. Nialala</td>
<td>Mrs Toia/ Mr Leaper</td>
<td>Mrs Toia/ Mr Leaper</td>
</tr>
<tr>
<td></td>
<td>Ari Nikolakopoulos</td>
<td>Johnny Dong</td>
<td>Mackenzie Stewart</td>
<td>James Oeser</td>
<td>Liam Clayton</td>
<td>Jake Varone</td>
<td>George Robson</td>
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<tr>
<td></td>
<td>George Hawkins</td>
<td>Harrison Evans</td>
<td>Tom de Soekze</td>
<td>Alex Saba</td>
<td>Dean</td>
<td>Paraskveopoulos</td>
<td>Jude Robinson</td>
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<tr>
<td></td>
<td>Nelson McEnallay-Mino</td>
<td>Riley Janis</td>
<td>Jesse Ring</td>
<td>Tom Mackie</td>
<td>Elias Sidiropoulos</td>
<td>Sean Forrester</td>
<td>Aiden Lee</td>
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<tr>
<td></td>
<td>Joshua Nehme</td>
<td>Clark Foley</td>
<td>Tobias Lacey</td>
<td>Daniel Koothoor</td>
<td>John Mitrothanasis</td>
<td>Ali Hijazi</td>
<td>William Thomson</td>
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<td></td>
<td>Harry Groth</td>
<td>Callum Janis</td>
<td>Kelvin Kong</td>
<td>Sam Payne</td>
<td>Alex Runciman</td>
<td>Harrison Ryan</td>
<td>Michael Assaf</td>
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<tr>
<td></td>
<td>Giancarlo Vari</td>
<td>Simon Bakunowicz</td>
<td>Deja Dzarir Zohs</td>
<td>Peter Mitrokas</td>
<td>Hunter Mather</td>
<td>Jonah Arraj</td>
<td>Freddie Swann</td>
</tr>
<tr>
<td></td>
<td>Kareem Choukair</td>
<td>Oliver Ghe</td>
<td>Adam Gill</td>
<td>Mark Charas</td>
<td>Lloyd Williams</td>
<td>Gabriel Simoes</td>
<td>Timothy Braga</td>
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<tr>
<td></td>
<td>Cooper Twine</td>
<td>Alexander Fisherman</td>
<td>Pete Webb</td>
<td>Christian Sedrak</td>
<td>Cameron Van der Goot</td>
<td>Hayden Hoang</td>
<td>Brandon Ghannoun</td>
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<tr>
<td></td>
<td>Edward Simonds</td>
<td>Jamison Urch</td>
<td>Matthew Nasr</td>
<td>Joshua Yazbeck</td>
<td>George Louizos</td>
<td>Anton Dimento</td>
<td>Zac Alshehabi</td>
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<tr>
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<td>Eddy Ajami</td>
<td>Peter Khouy-Harb</td>
<td>Imran Parker</td>
<td>Domenic Furfaro</td>
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<td>Imran Parker</td>
<td>Domenic Furfaro</td>
<td></td>
</tr>
</tbody>
</table>
ROUND 9 – WINTER SPORT  
Saturday, 30th July 2016

IF YOUR SON IS SICK OR UNABLE TO ATTEND, PLEASE RING 0438 980 602 BEFORE 7.30 AM  
If there is wet weather leading up to, or on, the day, boys should ring the Wet Weather Number 1300 788 477 AFTER 7.15 am.  
Should any further cancellations be made after 7.15 am, this message will be updated.

<table>
<thead>
<tr>
<th>Team</th>
<th>1st XI</th>
<th>2nd XI</th>
<th>3rd XI</th>
<th>11A XI</th>
<th>11B XI</th>
<th>11C XI</th>
<th>10A/B</th>
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<tbody>
<tr>
<td>Vs:</td>
<td>Trinity Prep</td>
<td>Trinity Prep</td>
<td>Trinity Prep</td>
<td>Scots</td>
<td>Scots</td>
<td>Scots</td>
<td>St Patrick’s</td>
</tr>
<tr>
<td>Venue:</td>
<td>Bressington #1</td>
<td>Bressington #1</td>
<td>Bressington #1</td>
<td>David Phipps</td>
<td>David Phipps</td>
<td>David Phipps</td>
<td>Bressington #1</td>
</tr>
<tr>
<td>Field Address</td>
<td>Underwood Rd, Homebush</td>
<td>Underwood Rd, Homebush</td>
<td>Underwood Rd, Homebush</td>
<td>UNSW1- Gwea Ave Daceyville</td>
<td>UNSW1- Gwea Ave Daceyville</td>
<td>UNSW1- Gwea Ave Daceyville</td>
<td>Underwood Rd, Homebush</td>
</tr>
<tr>
<td>Report Time</td>
<td>7:30am</td>
<td>8:15am</td>
<td>9:00am</td>
<td>7:30am</td>
<td>8:15am</td>
<td>9:00am</td>
<td>9:45am</td>
</tr>
<tr>
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<td>8:00am</td>
<td>8:45am</td>
<td>9:30am</td>
<td>8:00am</td>
<td>8:45am</td>
<td>9:30am</td>
<td>10:15am</td>
</tr>
<tr>
<td>Coach:</td>
<td>Mr. Borger</td>
<td>Mr. Duke</td>
<td>Mrs. Duke</td>
<td>Mr. Nóbrega</td>
<td>Miss Cook</td>
<td>Miss Hexton/ Mr. Kennedy</td>
<td>Mrs. Mitrokas/ Mr. Bryant</td>
</tr>
</tbody>
</table>

Joshua Hanna  
James Arthur  
Oscar Hindle  
Evan Alexiou  
Hali Mentes  
Ben Robinson  
Rhys Williams  
Louis Agosti  
Joshua Alha  
Isaac Cunningham  
Joshua Marcos  
Nicholas Stojkovic  
Biagio Signorelli  
Hussain Naji

Antony Borodin  
Aidan Daher  
Nicholas Field  
Thomas Geronikos  
Kieran Grech  
William Maistry  
John Nakhiol  
George Dedousis  
Omkar Pednekar  
Mitchell Majanggil  
Benjamin Orr  
Oscar Martin  
Sam Darling  
Jake Paraskevopoulos  
Harry Ford  
Jack Bettar  
Joshua Chu  
Daniel Ghaly  
Zachary Lin  
Hugo Miller  
William Thorpe  
Keagan Tran  
Timothy Woodyatt  
Nathan Wu  
Matthew Raymond  
Alexander Berg  
John Dedousis  
Zayaan Khan  
Nicholas Papadopoulos  
Jeremy Gergis  
Marcus Jutrisa  
Max Fricker  
Kian Guilda  
Oliver Vaughan  
Joseph Catania  
Christian Falato  
Jack Martin  
Marcus Lorenzato  
Oscar Fryer  
Joel Maher  
Felix Leckie  
Eric Mihias  
Dylan Guler  
Eden Taouk  
Charlie Naffiah  
Kyle Tran  
Trenton La  
Finn Denney  
Thomas Ferguson  
Adrian Ong  
Emile Harb  
Tom McGrath  
Jackson Ghosn  
Thomas Powell  
Filip Lujic  
Luka Cukeric  
Oliver Berry  
Jack Hartzenberg  
Nicholas Katsiris  
Marc Barakat  
Max Knauer  
Lucian Duggins  
Benjamin Zarate  
Leo Berry  
Ross Oddie  
Lachlan Van  
Ryan Kesby  
Tarquin Lianuw  
William Taplin  
Ian Zhang  
Vivek Singleton  
Regan Chapman  
Ari Guan  
A Team  
Lochlan Demark  
Luca Razza  
Sam Avery  
Renesh Moodley  
Alex Nero  
Indiana Murphy  
Anthony Antoniou  
Nicholas Ayoub  
Reece Mihas  
Jonathan Ucchino  
Joshua Levertor  
John Dalla-Camina  
Jayden Skuse  

Hugo Nguyen  
Rohit Dixit  
William Tran  
Oscar Hartzenberg  
Ethan Chan  
Connor Kalis  
William Brown  
Oliver Kreis  
Charlie Scott-Shires  
Toby Henry  
B Team