Focus on Maths

Denison College students participated in a Mathematics Enrichment day at Bathurst RSL club on the August 1st. The day was organised by Inquisitive Minds, which is a Mathematical Association of NSW approved course to help students develop hands on problem solving strategies.

Left—
Keiran Phillips and Brenna Nichols

Right—
Tobias Nicholls and Sourin Sadrzadeh

Students competed against each other to answer as many tricky puzzles as they could in a limited time frame. The puzzles ranged in complexity and many included models for students to explore and dissect.
All our students had a great time and gained a lot of excellent ideas and tips to implement when facing tricky problems. They also received a lot of chocolates for their excellent responses!
Congratulations to Sourin Sadrzadeh and Tobias Nicholls who won the first round competition and Keiran Phillips and Brenna Nichols who were crowned overall champions!
Well done to all those who attended!
**Maths Continued......**

**Tessellation**

This is an Islamic design and tessellation that the Year 12 General 1 class created and painted in the Maths corridor at the end of Term 3. The main workers were Sam Wootton, Jordan Price, Tim Nelson, Josh Martin, Christa Pilon, and Isaac Gorham with a lot of help from the prac teacher Stephanie Floyd.

Looks good doesn't it!

**Australian Mathematics Competition**

Congratulations to all the students who entered the Australian Mathematics Competition this year. Once again the students performed admirably displaying their skills and abilities in solving extremely tricky questions. Students had to answer questions on a variety of topics including geometry, algebra, measurement, probability and problem solving.

Denison College Mathematics has a bright future with Jacob Zammitt and Tobias Nicholls gaining distinctions, scoring in the top 90 per cent of all participants.

Twelve of our students earned credits, scoring better than 50 per cent of all participants, they include: Jacob Bicanic, Jack Hogan, Charlton Lew, Saskia Dorsman, Jesse Jones, Callum Goldfinch, Marcus Dege, Chris Sullivan, Jade Smoother, Rameez Merchant, Brenna Nichols and Sophia Pant.

Congratulations on a great achievement.
Mrs Browning’s Year 12 Mathematics class celebrated their last lesson of Mathematics at high school with a Cake Tower. Each student usually takes a turn in bringing a cake to share on Fridays, which have come to be known as Chocolate Fridays.

No one could decide who would bring in the last one, so it was decided that everyone should bring in a different type of cake which would be a layer for the tower. The base was Mrs Browning’s Brownie and then up went the tower, layer by layer! It was topped off by Uttam’s orange cake. Uttam and Mrs Browning had the honour of cutting the cake and it was enjoyed by all. The layers were chocolate mud, cheesecake, caramel, vanilla, red velvet, raspberry and white chocolate, banana, and a mars bar chocolate cake.

The Mathematics class have been working extremely well and Mrs Browning is very proud of their efforts in studying such a demanding course. Mrs Browning has been lucky enough to teach most of the students in this class for the past four years.

Some of the students are pictured building the tower of cake.
Year 12 Mathematics Study Day with Morris Needleman – Thursday 4th September

Last Thursday Kyne Hanlon, Zac Lew, Hamish Starr and Mrs Howard went to Orange High School for a Mathematics study day. The presenter was Morris Needleman who was recognised in 2006 with an Outstanding National Achievement for Excellence by a Teacher at the National Awards for Quality Schooling. He currently teaches Extension 2 Mathematics at 3 prestigious Sydney Schools and is dedicated to making the same advice available to rural students as they prepare for their Higher School Certificate examinations. The morning was spent looking at the Mathematics course, while the afternoon was devoted to Extension 1 Mathematics. The students (and Mrs Howard) faced many challenging questions from Trial HSC and past HSC examinations. The “Bathurst Boys” as they became known, demonstrated fantastic knowledge of the course content and were confident to communicate their reasoning to the group. It was a valuable experience and should give our students an extra edge as they sit their final examinations.

The Mathematics staff wish all their students
Good Luck in their HSC exams.
Remember we are all available to help solve any mathematical problems you are having difficulty with in your revision if you come to the staffroom.
Free Maths Help

I don’t know how many times parents and students have said to me that they need or they need to help their child with mathematics. They also say that they will pay for a tutor. In Bathurst, there are tutorial colleges that do not follow the syllabus that the students are doing and there is no one on one help. They are also expensive. To have a trained and experienced Maths teacher as a tutor is hard to find and expensive.

But did you know that Bathurst High provides all this and more for free. Any student at the campus can attend the free Maths help sessions from 3—5 pm each Wednesday in the library. The tutor that the school employs is an ex senior HSC Marker, K– 12 Maths Consultant and University lecturer. Students can attend for as long or as little as they like. They can also come only when they have specific problems.

There is an advertisement regarding this service elsewhere in this newsletter.

Bring Your Own Device

At the start of next year, Denison College will start a Bring Your Own Device environment. Students may bring certain devices to school. Bringing a device to school is not compulsory. The details of the types of devices are shown below—any device that meets the specifications is acceptable. Stickers should soon appear in local retailers indicating that devices are Denison College ready. Please contact myself, Darren Hamilton or librarian Peter Grant if you have questions.

REMEMBER: None of this is compulsory for students. It is an option that teachers will be using in class but books for written notes are still considered a device. Students will be able to share devices and, in a number of cases, access devices provided by the school.

SEE OVER THE PAGE FOR SPECS OF DEVICES THAT ARE SUITABLE. IT IS IMPORTANT THEY HAVE A LARGE ENOUGH SCREEN AND A PHYSICAL KEYBOARD (THIS COULD BE A CLIP ON)

Senior Leadership Team

Congratulations to the following students who were elected by their peers to the Senior Leadership Team. Eily Fidock, Sam Leckie, Emma Farr, Madison Phillips, Danika Smith, Ben Porter, Cameron Jones, Ben Fearnley and Brandon Kober Brown.

With the captains and vice captains they will make a fabulous team.
Acceptable Devices and Software

Denison has decided not to pursue a specific laptop program but to support students who bring a range of devices. The device the students bring must meet the specifications below and over the page. Students will be storing all their material in Google drive using Google documents.

Hardware
Middle Range - Everyday Computing (suitable for nearly all students)
Note: Touch screen only necessary if students wish to take handwritten notes on their device eg in mathematics.

<table>
<thead>
<tr>
<th>Form Factor</th>
<th>- Laptop or Tablet (With physical keyboard attachment)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>- Minimum 9.5” Screen Diagonal</td>
</tr>
<tr>
<td>Operating System</td>
<td>- Windows 7/8.1, Apple OS X10.6 &amp; IOS 6, Android 4.1 and Chrome OS</td>
</tr>
<tr>
<td>Processor</td>
<td>- 1.5 GHz</td>
</tr>
<tr>
<td>Memory</td>
<td>- 2/4Gb Ram</td>
</tr>
<tr>
<td>Wireless</td>
<td>- Any 802.11a/b/g/n capable device</td>
</tr>
<tr>
<td>Battery Life</td>
<td>- 6 Hrs (No provisions for charging on campus)</td>
</tr>
<tr>
<td>Storage</td>
<td>- 16GBs onboard (Google/Microsoft have cloud storage)</td>
</tr>
</tbody>
</table>

Examples include:
Samsung Galaxy Tab or Chromebook
All laptops and netbooks
Apple Ipad Air or iPad (stylus pen in replacement of a book)
Lenovo ThinkPad x131e
HP Pavilion 11, Chromebook 14 or 10 Plus Tablet
Microsoft Surface.

Ask your retailer or get them online.
### High End - Power Device (for students requiring sophisticated multimedia editing and/or CAD)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form Factor</td>
<td>- Laptop Touchscreen or Tablet (With physical keyboard attachment)</td>
</tr>
<tr>
<td>Size</td>
<td>- Minimum 11” Screen Diagonal</td>
</tr>
<tr>
<td>Operating System</td>
<td>- Windows 7/8.1 &amp; Apple OS X</td>
</tr>
<tr>
<td>Processor</td>
<td>- 2 GHz +</td>
</tr>
<tr>
<td>Memory</td>
<td>- 4Gb Ram</td>
</tr>
<tr>
<td>Wireless</td>
<td>- Any 802.11a/b/g/n capability</td>
</tr>
<tr>
<td>Battery Life</td>
<td>- 6 Hrs (No provisions for charging on campus)</td>
</tr>
<tr>
<td>Storage</td>
<td>- 16GBs onboard (Google/Microsoft have cloud storage)</td>
</tr>
</tbody>
</table>

### Software

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Browser</td>
<td>- Google Chrome (preferred) , Internet Explorer 10 Note: Some flash based sites will not work effectively on Ipads</td>
</tr>
<tr>
<td>Pdf Document</td>
<td>- Adobe Acrobat Reader (free download)</td>
</tr>
<tr>
<td>Document Management</td>
<td>- Google Docs/Drive through school controlled Domain (Access to be confirmed). Free</td>
</tr>
<tr>
<td>Additional</td>
<td>- Virus/Malware Protection Recommended. Up to student—free software available.</td>
</tr>
</tbody>
</table>
Welcome back to Term 4!!

This is a very busy time for students completing assignments and consolidating their classwork with their homework. Don’t forget if students need support completing assignment work they should talk to their teacher or student advisers. The library is open on Wednesday afternoons when school finishes early and this is a great time for students to research in the library if they do not have internet access at home. Maths tutoring support is also available in the library during this time.

Year 9 students will be attending camp in week 7 and they are all excited about their three days at Milson Island. Students who do not attend camp will have an alternate program organised for them at school.

Year 9 Dance students will attend a performance of Swan Lake at the Theatre Royal and Year 9 and 10 Drama students will attend a performance of Wicked at the Capitol Theatre later in the month. These are great opportunities for our elective students to experience such professional performances. We are lucky students are able to make an easy journey to Sydney now with the Bathurst Bullet.

Year 7 students will also have the opportunity to visit Sydney before the end of the year. They will be attending the Powerhouse Museum and the Sydney Aquarium as part of their Integrated Studies course. Notes for this will be sent out shortly.

Congratulations to the Year 9 Photography students who have their work exhibited at the Bathurst Regional Art Gallery this month. Please take the time to visit and enjoy their work during this time.

Congratulations to all those students who continue to be outstanding students at Bathurst High. Those who always engage in their learning and always strive to do their best. Many of them are our quiet achievers who come to school every day, do their very best and enjoy engaging in classroom activities with a minimum of fuss. Well done!!

Jenny Stirling
Deputy Principal
Middle School
Higher School Certificate Examinations are well underway. Students are enjoying the use of the new gym as their exam venue. Please remember if your child has any illness or misadventure they must contact the school immediately. Yr 12 students are counting down the days to the Yr 12 Grad Ball on the 14th November. Please go to the front office to organise tickets.

Members of the new Leadership Team have undertaken training and have begun their planning for their term in office. We look forward to seeing interesting activities and fund raisers from this energetic, enthusiastic and committed team.

Year 11 students have completed their subject planning for their Year 12 course. We are in the midst of changing timetables, as well as producing the End of Course reports for Year 11. We are also organising Disability Provisions for students sitting the 2015 HSC. If you have any questions about this or would like to discuss your child and their eligibility for Disability Provisions, please call the front office and Melissa Crossingham, our Learning and Support Teacher, will be able to assist.

Year 10 have been provided with all the information required for Work Experience applications. Work Experience runs from the 1st to the 12th December and students are asked to submit their paperwork early.

We have had a great start to a very busy and productive term.

All the best,

Gaye Dunshea
Deputy Principal
Senior School
The Lomography Project was an outreach program which engaged ten Bathurst High School Students in Year Nine in a very unique art making process, Lomographic Photography. Over several weeks the students documented elements of their lifestyles with the highly experimental Diana F+ camera, a specially designed plastic film based camera. The students then curated their photos into a group exhibition.

The Lomography Project is a partnership program between BRAG and Bathurst High School Art.

The exhibition is visible in the foyer at Bathurst Regional Art Gallery and features the work of Aidan Carstens, Mikaela Graham, Kimberley Campbell, Holly Davis, Jenna Murphy, Savannah Graham, Keiran Phillips, Lucynda Smith, Lillian Stocks and Melenaite Langi.

It will be open from October 3rd to November 16th and we invite you to have a look at some of the amazing things that Bathurst High students are involved in.

Aleeah Maffesoni (Visual Art and Photography teacher, Bathurst High)
National Worldskills Competition 2014 Perth

A big congratulations to Ebin Kunnummel who achieved a silver medal in the Vet in Schools Retail competition held in Perth from September 17th to the 21st. This was a huge achievement and Ebin, who missed a gold medal by only 3 marks. The competition involved the completion of retail activities including merchandising and displaying products, role plays, dealing with angry customers, selling products, teamwork and Work Health and Safety by the students in the competition. Students were judged on personal presentation and behaviour throughout.

VETiS Retail
GOLD: Kodie Schuler, QLD
SILVER: Ebin Kunnummel, NSW
BRONZE: Stephanie Po-Myat, NSW

Sharon Mendes
VET Coordinator

Library News

BATHURST HIGH’S EBOOK LENDING PLATFORM IS HERE!
Go to: http://bhc.wheelers.co/ to register for borrowing.
### Coming Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5th November 2014</td>
<td>P &amp; C Meeting 7.30pm</td>
</tr>
<tr>
<td>7th November 2014</td>
<td>HSC Written examinations end</td>
</tr>
<tr>
<td>14th November 2014</td>
<td>Year 12 Graduation</td>
</tr>
<tr>
<td>19th—21st November 2014</td>
<td>Year 9 Camp</td>
</tr>
<tr>
<td>25th November 2014</td>
<td>Iexplore Band/Choir Enrichment Day</td>
</tr>
<tr>
<td>25th November 2014</td>
<td>Year 7 2015 Welcome to Bathurst High 6.30pm</td>
</tr>
<tr>
<td>1st—12th December 2014</td>
<td>Year 10 Work Experience</td>
</tr>
<tr>
<td>2nd December 2014</td>
<td>Presentation Night 7pm</td>
</tr>
<tr>
<td>3rd December 2014</td>
<td>P &amp; C Meeting 7.30pm</td>
</tr>
<tr>
<td>3rd December 2014</td>
<td>Year 7 2015 Orientation Day</td>
</tr>
<tr>
<td>10th December 2014</td>
<td>End of Junior School Dinner</td>
</tr>
<tr>
<td>12th December 2014</td>
<td>Commendation Assemblies Years 7, 8, 9 and 11</td>
</tr>
<tr>
<td>15th December 2014</td>
<td>Commendation Assembly Year 10 9.30am</td>
</tr>
</tbody>
</table>

### P & C

Bathurst High Campus P&C meets the 1st Wednesday of each month.
Our next meeting will be on Wednesday 5th November in the staffroom at 7.30pm.
Hope to see you there.

### Free Maths tutorials

Reminder that Free Maths tutorials are running at Bathurst High every week. Session starts in the Information Resource Centre (Library) at 2.50pm and continues until 5.00pm. Students may attend for as long as, and as often as they need.

**Wendy Hastings**  
BSc, GDE, M Ed(Hons), PhD  
Adjunct Senior Lecturer  
Charles Sturt University  
BATHURST.  

---

Denison College of Secondary Education—Bathurst High Campus—[www.bathurst-h.schools.nsw.edu.au](http://www.bathurst-h.schools.nsw.edu.au)
Bathurst
RSL Fishing
Club

BCF Carp Blitz 2014
Sunday, November 2, 7.30am -2.00pm
EVANS BRIDGE, MACQUARIE RIVER, BATHURST
Entry by Gold Coin Donation to RSL Fishing Club Trust.
All proceeds used to restock native fish in local waterways.

• Great Prizes
• BBQ
• Refreshments
• Free Bait
• NSW Fisheries Info
• Central West Catchment Authority Info
• School Teams Comp
• Fishing Licences Available

Bring your fishing gear, fun day for families

Peter Wright
President
0400 167 183
Entry Form :-

**Bathurst RSL Fishing Club**

BCF Carp Blitz 2014

School Team Carp Catching Champs Trophy

Sponsored by Central Western Catchment Management Authority

Sunday, November 2, 7.30am to 2.00pm, Evans Bridge, Macquarie River, Bathurst.

Rules: Open to teams of three, boys/girls attending schools in Central West Catchment Authority area, no age limits. No limit on number of teams from any one school. To be calculated on number of fish, length of fish and weight of fish captured during hours of competition. Entries due Sunday, November 2.

School Name: ________________________________________________________________

Responsible teacher/parent: ___________________ Phone: _________________

Team No 1: ___________________ ___________________ ___________________

Team No 2: ___________________ ___________________ ___________________

Team No 3: ___________________ ___________________ ___________________

Team No 4: ___________________ ___________________ ___________________

Team No 5: ___________________ ___________________ ___________________

Peter Wright
President
0400 167 183
Community Notices

Bathurst Junior Touch Football Competition

We are looking for Boy and Girl Junior teams from Year 3 to Year 12

**Venue:** To be held at Learmonth Park from 4.30 pm each Monday for 30 minute games

**Starts:** 27 October 2014.  **Finishes:** 16 February 2015 (with a break over Christmas)

**Nominations period** – Opens 12 September to 20 October 2014 – Team registrations can be completed online at: Bathurst-touch-football.asn.au

**Cost:** $250 per team ($25 per player across 10 player junior team). For Junior teams playing in the Senior Competition nomination fees are $550.00 per team.

Each team requires a Coach/Manager who can also referee. Those persons wishing to do the referee course should contact David Weekes (0439321568) or Alex Faulkner (0466548759).

**More Information:** contact Gerard Lang – Junior Coordinator on 0439 331 231

---

TEEN TRIPLE P PROGRAM 2014

For more information contact Graham Palmer

VERITAS YOUTH AND FAMILY SERVICE
106 RUESSELL STREET BATHURST
02 6332 2277

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday October 28</td>
<td>10am – 12noon</td>
<td>106 Russell Street</td>
</tr>
<tr>
<td>November</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>November</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>November</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>December</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
Community Notices cont.....
Community Notices cont.....

Bathurst Riding for the Disabled
Family Fun Day!!
November 1st 2014, 10am to 2pm
Research Station Drive Bathurst
Behind Carenne School

Come Along with the family for a great day out whilst supporting a local not for profit organisation.
Entry gold coin donation per person, activities separate gold coin donation

Pony Rides
Live Music
Jumping Castle
Animal Nursery
Heavy Horse Display
Central West Vaulters

Market Stalls
Raffles
Paint the Pony
Free Face painting
NSW Rural Fire Service
Powder Monkey Horse Display