

## MULTICULTURAL DAY HUGE SUCCESS

Principal's Report: Jane Ferris

Did you know that at Pittwater High School we have over 50 different nations represented in our cultural heritage? Last Friday gave us the opportunity to acknowledge and honour the diversity in our society as we celebrated Multicultural Day. Students certainly got in the spirit of the day in many colourful and varied costumes – although I must comment the staff often outshone the students! At the school assembly students were very respectful of all the presentations and learnt much about the plight of children in Afghanistan as Cocheene Smith and Alex Bellamy of Mahboba's Promise spoke. The school enjoyed the vibrant performance by band Newcar Caviar who recently took out all the prizes at this years' Northern Composure Band Competition. Thank you to all the prefects that got behind the day, especially Social Justice Prefects Chris Pollock and Grace Brown. Also thanks to the SRC for all the cakes. As a result of the day more than \$3000 has been raised for Mahboba's Promise and the Nepal earthquake appeal.



### Surviving the HSC Presentation

With the approaching HSC Trial examinations, it was timely to have an evening on Surviving the HSC. This was well attended by parents and students who filled the new open spaces in our renovated library. Not only were there many helpful hints on managing stress, getting organised and active study, but there was the opportunity for parents and students to discuss key points. Feedback on the value of the evening has been very high.



### NAPLAN

All the best to year 7 and 9 students as they sit the NAPLAN tests this week. We really encourage students to take this in your normal stride – certainly aim to do your best and manage your time well but most important do not worry or stress out. These tests are just a snapshot of how you can perform on the day in certain areas. They do not test all those other wonderful skills and capabilities you have, such as being a good friend, a collaborative learner, an innovative leader, a fine sportsperson or great musician. However the tests do give us valuable information about how we can assist your learning in the future.

### Commitment Beyond the School Gate

I was thrilled to learn that a number of our students initiated being part of a MS Megaswim in raising over \$2000. When a member of the community takes the time to email me with comments on their teamwork, determination, energy, support and good nature, all while being ridiculously tired with a 24 hour swim, then they must have been truly magnificent. Well done Lily Curtis, Isabella Curtis, Grace Hanks, Jordyn Hess, Poppy Berridge, Claudia Haworth, and also Jasen Winny who was with another team.

Also congratulations to Lachlan Rose who was reported in the Manly Daily for finishing first out of 15 in the NSW state finals for scooter riding. "Put simply, the kid's good – really good". All the best Lachlan as you compete for the National title.

# DEPUTY PRINCIPALS' REPORT - Renee Andrews; Ben Rekić



We are currently working on an exciting initiative for aspiring leaders in the Peninsular Community of Schools (PCS). They will be leading new ways of thinking for sustainable learning change in our schools. The aim of the project is to

provide a platform for anyone aspiring to be a leader and/or working towards attaining higher levels of accreditation to work on an action research project linked our schools strategic plan over the next six months.

The talented project participants have been involved in a workshop with Simon Breakspear investigating innovative practices in education, followed by a one day professional learning workshop developing action plans and establishing collegial links with our partner schools.

The projects that are taking shape are very exciting and cover a range of areas such as specific literacy strategies and the role of effective feedback. They are investigating a variety of different strategies to both engage and support students in their learning. As the projects take shape I will share this information with all of you.

## Year 11

I have been reading all the Year 11 reports before they are emailed home to you next week. Most students are working really well and should be very pleased with their progress. Some students need to recognize the importance of increased focus in every lesson to ensure that they maximize the learning opportunities provided by their highly skilled teachers.

## Years 7 and 9

Most students seem to be settled in their classes and working well. I enjoy my visits to classrooms where there are some wonderful learning conversations and real focus. As I said to students yesterday NAPLAN is a great opportunity for them to show us what they know and can do as a snapshot of their learning. We can then use the information to support them in their learning as they move into older year groups.



The next P&C meeting will be held on Wednesday 20 May at 7pm  
in the Library (D Block, upper floor)

### FEATURING:

Ms Ferris, Principal speaking about the new school strategic plan  
followed by a Q&A session on the subject and other matters parents  
wish to discuss.

Go to [The P&C webpage](#) for more information  
and to subscribe to the P&C Newsletter

Again, all parents most welcome!

## CALENDAR

Tues 12, Wed 13, Thurs 14 May	NAPLAN
Fri 15 May	Careers Expo—Years 10 and 12
Tues May 19	Year 7 Concert in Performance Space—all welcome—6:30pm
Wed 20 May	P&C Meeting
Thur 21 May	Zone Athletics Carnival
Tues May 26	Year 8 Concert in Performance Space—all welcome—6:30pm
Wed 27 May -Fri 29 May	Bundanon Art/Textiles Camp—Years 9, 10 and 11

# MATHEMATICS

## quicksmart

**QuickSmart** is a remedial mathematics program which focuses on students' accuracy by helping them use various and appropriate strategies to solve problems. It aims to do this while also increasing students' information retrieval times.

Sixteen students from Year 7 have been participating in the program since the middle of last term. Pairs of students attend half hour sessions three times a week. They have been working on basic facts and strategies for the four mathematical operations (addition, subtraction, multiplication and division). Each session is structured to incorporate six components, all of which further enhance the students' **automaticity** when answering problems. Activities include using flash cards, speed tests, looking at focus facts, using a computer based OZCAAS program, mathematical games and individual worksheets.

Work on students' increased **speed and accuracy** is incorporated into each session. This has been monitored and **ALL STUDENTS** have shown growth in these areas. What a terrific result! Well done to you all.

### *"Fluency in numeracy"*

Here are a few comments by some of our QuickSmart students:

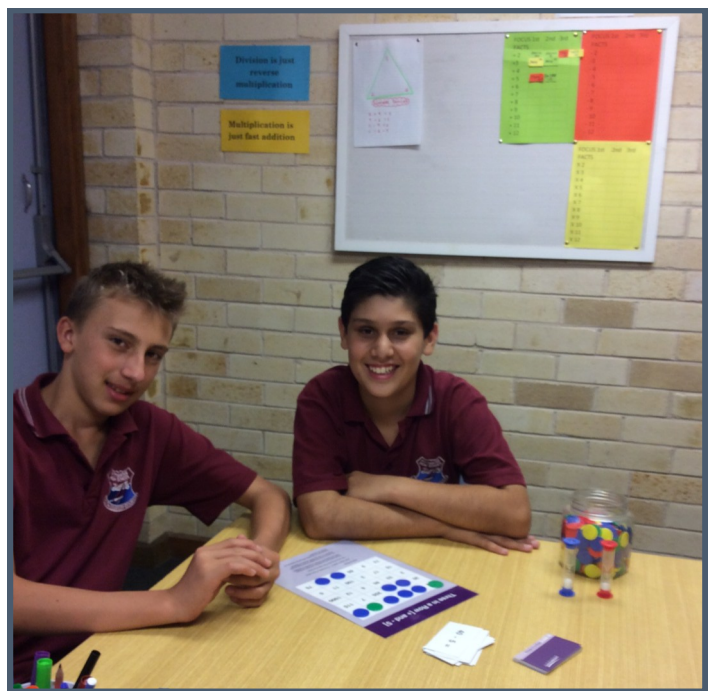
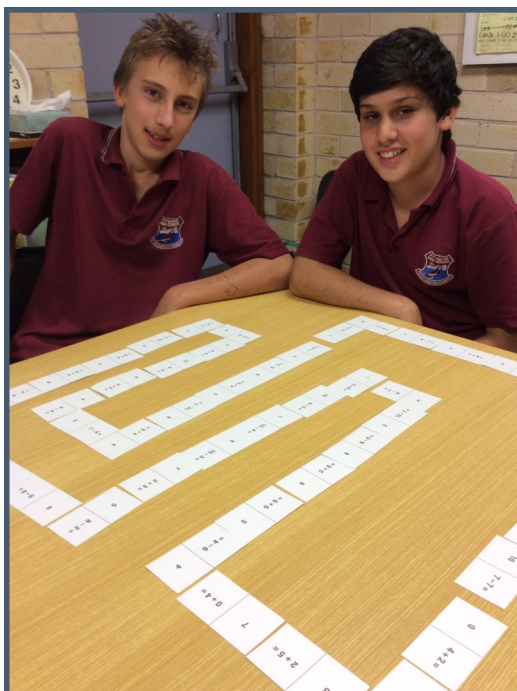
"I enjoy QuickSmart very much. I like how we play games, do flashcards and do computer work." (John Abadi)

"I really enjoy QuickSmart because it helps me to think faster." (Jasper Mueller)

"I am enjoying QuickSmart, but in particular I'm loving the games because it is a good challenge for me. I also like the flash cards." (Sophie le Creuer)

"I am finding QuickSmart helps me a lot. I like the games and flashcards. The flashcards make me concentrate and the games are really fun." (Ellie Erdman)

By Samantha Rous (QuickSmart Co-ordinator)



# MATHEMATICS (Cont.)

## REMINDER



### 2015 ICAS Mathematics Competition

Welcome to the 2015 International Competitions and Assessments for Schools (ICAS). ICAS provides an opportunity for all students in Years 7 to 12 to gain a measure of their own achievement in an external testing situation. It provides teachers, parents and students with comprehensive reporting of results in the areas of Mathematics.

All students receive a certificate and an individual student report indicating which questions they answered correctly and their score compared with the rest of the students tested. The tests are an excellent preparation for national tests and the student report is useful for highlighting your child's strengths and weaknesses. The certificate and individual report are also suitable for your child to include in a portfolio.

Certificates are awarded for each year level as follows:

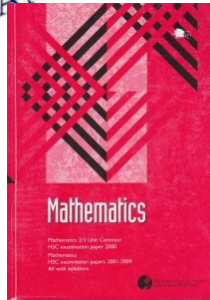
- High Distinction to the top 1% of entrants
- Distinction to the next 10% of entrants
- Credit to the next 25% of entrants
- Participation to all other participating students.
- A University of NSW (UNSW) medal is awarded when the highest score in each year level in each state in each subject is judged to be sufficiently meritorious. These medals are presented at either a UNSW Medal Ceremony or at a school assembly. Students must undertake these examinations on the official dates to be eligible for a UNSW medal.
- The competition will be held in the school hall on **11 August 2015**. The time will be advised at a closer date.
- **This competition is compulsory for all students in the extension classes:**
  - Year 7: 7E (Mrs Maxwell and Mrs Sechi)
  - Year 8: 8MAR (Mr Lepedjian) and 8MAS (Mrs Lanham)
  - Year 9: 9MAB (Mrs Sechi) and 9MAP (Mr Stoyef)
  - Year 10: 10MAR (Mrs Walpole)
  - Year 11: 11MAX1 (Mrs Sechi)
  - Year 12: 12 MAX1 (Mrs Austen).
- If your child is in an extension class and there are reasons they are not able to participate in the competition please contact Mr Nairi Lepedjian (Competitions Coordinator) via phone, email, or send a note.
- **All students in Years 7-12** are invited, and encouraged, to enter the competition to gain the experience of this national competition.
- The **\$10 entry fee** is due by **5 June 2015**.
- **See payment methods below .**
- Return to the red box situated in the corridor of the Administration Building (A Block).

Student Name:		ICAS Mathematics
Circle your payment option below in the left hand column and complete the relevant details		
Cash	Place cash in an envelope with this payment slip & return in person to the finance office	Amount Paid \$
Cheque	All cheques are made payable to <b>PITTWATER HIGH SCHOOL</b>	Amount Paid \$
Online Payment	Online payment Receipt number <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Amount Paid \$
Credit Card	Card number <div style="display: flex; justify-content: space-between;"><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div><div style="border: 1px solid black; width: 40px; height: 20px;"></div></div>	Amount to be debited \$
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# MATHEMATICS (Cont.)

## PAST HSC MATHS SOLUTION BOOKS



Maths General 2	2005-2014	\$24
Mathematics	2005-2014	\$24
Extension 1	2005-2014	\$24
Extension 2	2005-2014	\$24

The Mathematical Association of NSW (MANSW) produces worked solutions to HSC papers and compiles the last ten year's solutions into a booklet for sale to HSC students. This booklet is an invaluable source of revision during Year 12. Either the MANSW booklets, or an alternative production, is required for HSC preparation in class and at home.

Pittwater High School Mathematics Faculty will place an order with **MANSW** on behalf of our students. Any student wishing to buy these booklets must place an envelope in the **RED** box by **MONDAY 18 MAY 2015**. Please include the following:

- Student's name and Maths class/teacher
- Name of booklet(s) wanted
- \$24/booklet.

Student Name: _____ Class/Teacher: _____ Booklet name: _____		<b>HSC MATHS BOOKLET</b>		
Circle your payment option below in the left hand column and complete the relevant details				
Cash	Place cash in an envelope with this payment slip & return in person to the finance office	Amount Paid \$		
Cheque	All cheques are made payable to <b>PITTWATER HIGH SCHOOL</b>	Amount Paid \$		
Online Payment	Online payment Receipt number <div style="border: 1px solid black; height: 30px; width: 500px;"></div>	Amount Paid \$		
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			Date	

**NOTE:** If paying online, please use the "Other" box to provide the name of the booklet required.

# MATHEMATICS (Cont.)

## MATHS NEWS!!

We welcome Ms Rebecca Smith who is replacing Ms Maxwell. Ms Maxwell resigned from teaching at the end of last term.

Year 10 Subject Information Night—Wednesday 3 June 2015

Members of the Mathematics faculty will be available to discuss your child's selection of course for Year 11.



The 2015 Mathematics school contribution fee for students in Years 7-10 includes a subscription to Mathletics.

Occasionally a student says that they are having trouble with access to the program at home. If this is the case in your household, please contact the Mathletics Help Team on 9019 2888 or email [techsupport@3plearning.com](mailto:techsupport@3plearning.com). They are open until 8pm in the evenings.

If the problem continues, please email me with the issue. [amanda.sechi@det.nsw.edu.au](mailto:amanda.sechi@det.nsw.edu.au)

We will be doing a parent and student survey next term to evaluate the validity of the subscription to the program.

Amanda Sechi—HT Mathematics

## PERCENTAGES FOLDABLE

Learn the common percentages from the comfort of your fridge!

Make this foldable, put it on the fridge with a magnet and test yourself to convert from percentages to fractions and decimals each time you open the fridge door.

The foldable is downloadable (ready to print) from a special web-page with the address:

<http://mathslinks.net/page/percentages-foldable>

On the web-page, there is also a short video instruction showing how to construct the foldable.

<b>50%</b>	<b><math>33\frac{1}{3}\%</math></b>	<b>25%</b>
<b><math>\frac{1}{2}</math></b>	<b><math>\frac{1}{3}</math></b>	<b><math>\frac{1}{4}</math></b>
<b>0.5</b>	<b>0.3</b>	<b>0.25</b>
<b>Common Percentages</b>		
<b>0.2</b>	<b>0.125</b>	<b>0.1</b>
<b><math>\frac{1}{5}</math></b>	<b><math>\frac{1}{8}</math></b>	<b><math>\frac{1}{10}</math></b>
<b>20%</b>	<b><math>12\frac{1}{2}\%</math></b>	<b>10%</b>

## ARE YOU AS SMART AS A NINTH GRADER??

This is one of the questions that appeared in a recent Extension test for year 9.

"Anna King is  $x$  years old. Her brother Henry is two thirds of her age and her sister Chloe is three times as old as Henry. The twins, who live next door, are five years older than Anna. If the sum of the ages of the King children is equal to the sum of the ages of the twins, find the ages of **all** the children."

*(Here is a hint which was not given in the test ... use algebra!)*

(Answers are on page 8 of this Newsletter)

## EMOTIONAL NUMBERS

Here are some fun examples of the beauty of numbers.

### Abundant Numbers

A number in which the sum of its factors (not including the number itself) is greater than the number.

Example: the sum of the factors of 12:  $1 + 2 + 3 + 4 + 6 = 16$ .

There are four abundant numbers from 18 to 30 inclusive. Can you find them?

### Amicable (friendly) numbers

Pairs of numbers are when the sum of the factors of one of them is equal to the other number and vice versa.

Example: 1210 and 1184 are amicable numbers: the sum of the factors of 1210 is  $1 + 2 + 5 + 10 + 11 + 22 + 55 + 110 + 121 + 242 + 605 = 1184$  and the sum of the factors of 1184 is  $1 + 2 + 4 + 8 + 16 + 32 + 37 + 74 + 148 + 296 + 592 = 1210$ .

### Happy numbers

Numbers that can be reduced to 1.

Example: 13 can become  $1^2 + 3^2 = 10$  and 10 can become  $1^2 + 0^2 = 1$ .

There are 5 others between 1 and 20. Can you find them?

### Narcissistic numbers

Examples:  $43 = 16 + 27$

$$= 4^2 + 3^3$$

And  $135 = 1 + 9 + 125$

$$= 1 + 3^2 + 5^3$$

Can you see the pattern? Can you find a three digit number that is narcissistic that is above in the 170's?

### Perfect numbers

A number in which the sum of the factors of the number, not including the number itself, equals that number.

Example: the factors of 6 are:  $1 + 2 + 3 = 6$

Can you find the next perfect number is between 20 and 30 and then between 480 and 500. Can you find them?

# MATHEMATICS (Cont.)

## VERY IMPORTANT INFORMATION FOR YEAR 10

### Why students should select a Mathematics course for the HSC

It has been estimated that 75 percent of the fastest growing occupations require science, technology, engineering or mathematics (STEM) skills and knowledge.

The consequence of not being adequately prepared in mathematics impacts on their pathways, retention and chance of success in their degree. Despite there being no prerequisites for most university courses, an ATAR gained without a mathematics course may lead to knowledge gaps in the first years of tertiary study.

### What mathematics courses are available for year 10 going into year 11?

**Extension 1 Mathematics (3 Unit)** – This course is undertaken by students who have successfully studied the 5.3 course in Years 9 and 10.. This course is intended to prepare students for further tertiary studies of mathematics in areas that are highly mathematics related such as engineering, financial and information technology courses. There is an option of pursuing extension 2 in year 12 where appropriate.

**Mathematics (2 Unit)** – This course is undertaken by students who studied the 5.3 course or excelled in the 5.2 course in years 9 and 10. This course is intended to prepare students for further tertiary studies of mathematics in areas that have significant mathematical content such as science, engineering or business studies.

**Mathematics General (2 Unit)** – This course is undertaken by students who studied the 5.2 or 5.3 course in years 9 and 10. Those students who will not complete a mathematics major at university should consider this course. This course is intended to cater for the majority of students.

**Mathematics General (Options Plus)** – This course is suitable for students who have studied the 5.1 course in years 9 and 10. This is a school-developed course designed for students undertaking a vocational learning pathway. They will move into the non-ATAR mathematics general 1 course in year 12.

**No Mathematics** – Mathematics is not compulsory for the Higher School Certificate. Some students may choose not to study mathematics if they have little interest or ability in this subject. A student who studied the 5.1 course in years 9 and 10 should consider this option (if they have not chosen the Options Plus course mentioned above).

### ANSWERS to quiz on page 7— 'Are you as smart as a ninth-grader?'

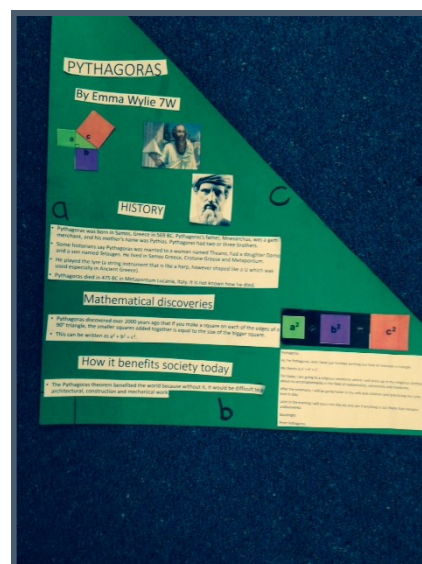
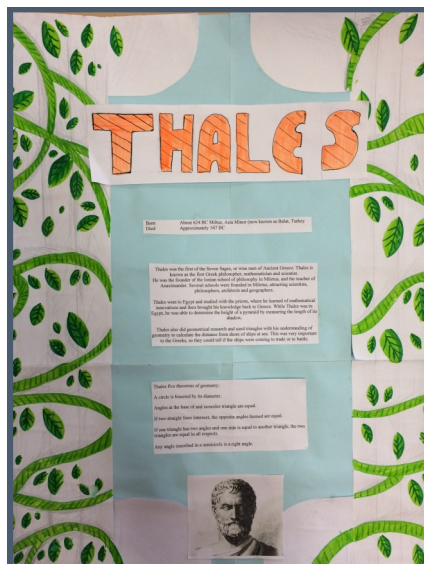
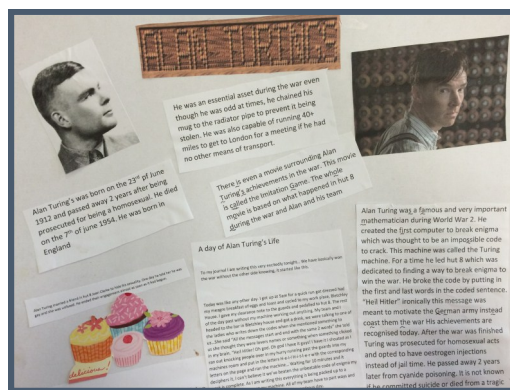
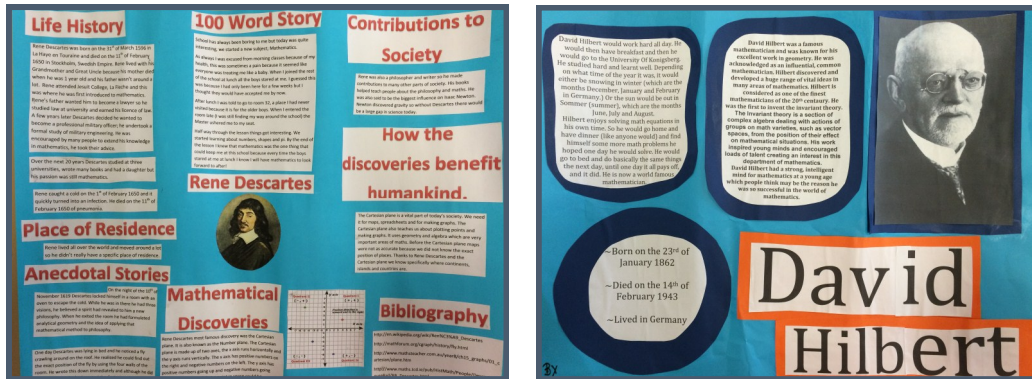
Anna is 6 years old, Henry is 4, Chloe is 12 and the twins are 11. If you used algebra to find the correct solution, well done! You are, indeed, as smart as a ninth-grader!!!]



# MATHEMATICS (Cont.)

## YEAR 7 PROJECTS

Earlier this year, all of Year 7 were given a project designed to enhance their interest and knowledge of the famous mathematicians throughout history. As expected, the standard was very high. Appearing below are just a few of their submissions.



Rather than produce a display on a cardboard sheet, Jasper Frost "thought outside the square" and created a website of outstanding quality. It was informative, creative, well designed and well executed. Congratulations Jasper on a great project! Please follow the link to view his submission.

<http://frostwebs.wix.com/pythagoras>

"The bar has been lifted!"

Who wants to lift it even higher?

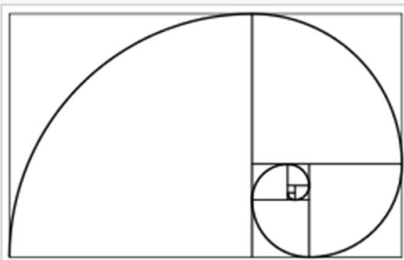
# MATHEMATICS (Cont.)

## MATHS IN ART

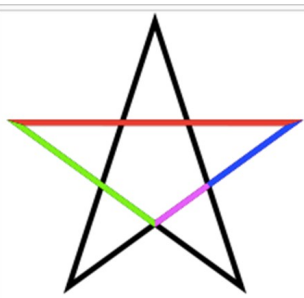
We can find maths in the most wonderful of places.

In nature we see maths working in petal designs and the way a flower opens up or when we're walking along the beach we can see it in the shells washed up on the shore. Cone-shaped shells and spiral shells have an impressive ratio connection which follows the fibonacci spiral and Pythagoras' theorem.

Also derived from Pythagorus, the Ancient Greeks were able to construct buildings using the aesthetically pleasing golden rectangle. For example the Parthenons and The Colosseum display use of the golden rectangle. When we draw the human form in art, we use many mathematical rules to create proportions and perspective. Leonardo Da Vinci used these rules in his most famous works Mona Lisa and Vitruvian Man.



A **Fibonacci spiral** which approximates the golden spiral, using Fibonacci sequence square sizes up to 34.



A pentagram colored to distinguish its line segments of different lengths. The four lengths are in golden ratio to one another.



Detail of *Aeonium tabuliforme* showing the multiple spiral arrangement (parastichy)



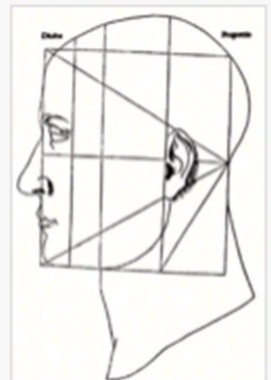
Rectangles superimposed on the **Mona Lisa** demonstrating golden ratio at work



Many of the proportions of the **Parthenon** are alleged to exhibit the golden ratio.



Leonardo's **Vitruvian Man**



Woodcut from *De Divina Proportione* showing the **golden ratio** on a human face



This is an amazing painting by Raphael called "School of Athens" which depicts Pythagoras working on his mathematical theorems in the company of other scholars. It is a huge painting on one of the walls of the Vatican in Italy.



This is the close up image of Pythagoras who is seated in the bottom left corner of the whole composition and is writing in a book.



# MATHEMATICS (Cont.)

## THE MATHEMATICS OF MUSIC

Music and mathematics have been linked from ancient times. During the medieval period the educational curriculum grouped Arithmetic, Geometry, Astronomy and Music together. Today's modern computers are perpetuating that tie.

Score writing is the first obvious area where mathematics reveals its influence on music. In the musical script, we find tempo (4:4 time, 3:4 time and so forth), beats per measure, whole notes, half notes, quarter notes, eighth notes, sixteenth notes and so on.

Writing music to fit x-number of notes per measure resembles the process of finding a common denominator—the different length notes must be made to fit a particular measure at a certain tempo.

In addition to the obvious connection of mathematics to the musical score, music is linked to ratios, exponential curves, periodic functions and computer science. With ratios, the Pythagoreans (585-400BC) were the first to associate music with mathematics. They discovered the connection between musical harmony and whole numbers by recognising that the sound caused by a plucked string depended upon the length of the string. They also found that harmonious sounds were given off by equally taut strings whose lengths were in whole number ratios—in fact every harmonious combination of plucked strings could be expressed as a ratio of whole numbers. By increasing the length of the string of whole number ratios, an entire scale could be produced. For example, starting with a string that produces the note, C, then  $16/15$  of C's length gives B,  $6/5$  of C's length gives A,  $4/3$  of C's gives G,  $3/2$  of C's gives F,  $8/5$  of C's gives E,  $16/9$  of C's gives D, and  $2/1$  of C's length gives low C.

Have you every wondered why a grand piano is shaped the way it is? Actually there are many instruments whose shapes and structures are linked with various mathematical concepts. Exponential functions and curves are such concepts.

The study of the nature of musical sounds reached it's climax with the work of the 19th century mathematician, John Fourier. He provided that all musical sound—instrumental and vocal—could be described my mathematical expressions, which were the sums of simple periodic sine functions. Every sound has three qualities—pitch, loudness and quality—which distinguishes it from other musical sounds.

Fourier's discovery makes it possible for these three properties of a sound to be graphically represented and distinct. Pitch is related to frequency of the curve, loudness to the amplitude and quality to the shape of periodic function.

Mathematical discoveries, namely period functions, were essential in the modern design of musical instruments and in the design of voice activated computers.

# ENGLISH

As part of the English Faculty's Crafting Unit, year 10 students were recently asked to complete essays detailing how authors inspire, challenge and entertain us through their work. Many different novels were studied across the classes but each was asked to examine the nuances of crafting creative works. Here are two examples.

Jonathan Leonard—Classroom Teacher

## TO KILL A MOCKINGBIRD

The second theme encouraged to challenge and inspire us is prejudice.

An example of this is the treatment of Tom Robinson by most of the residents of Maycomb. In court, Tom is looked down upon as a "coloured" man and given an unfair trial. While awaiting trial, many people try to injure him. "Mr Finch, if you was a nigger like me, you'd be scared too."

The colloquial language used in this example is designed to shock the reader and it makes you realise just how mistreated and prejudged Tom Robinson felt. It also helps us to understand the kind of prejudice African American men and women suffered during the 1930s.

Another target of prejudice in *To Kill a Mockingbird* is Boo Radley. Throughout Maycomb, Boo is represented as a "monster" for a mishap that happened many years ago. A prejudice has since shrouded him and the rest of the Radleys. They are perceived to be odd. Lee's characterisation of Boo makes the reader feel slightly uneasy about him and on-edge even though we have never met him.

The theme of prejudice challenges and inspires us to keep an open mind and always remain fair even when surrounded by bigotry.

Kate McKay

The novel is filled with racism and social inequalities, something all characters accept or deal with throughout the plot, stimulating the audience. Tom Robinson, a black man accused of the rape of a young white girl, loses his court case due to a prejudiced white jury despite the lack of evidence against him. In the era in which the novel is set, racism was common and generally accepted. Blacks were separated from the whites and contact was usually questioned or frowned upon.

Imagery and setting is used to represent the town and its inequalities such as when the children attend Tom's court case in the "coloured" balcony with Reverend Sykes, a black pastor: "Four negroes rose and gave us their front row seats." The setting contributes to the story by creating the fundamental imagery for the audience.

Atmosphere, context, attitude and character development are all affected by setting as it can deliver information without the author having to go into drudging details. The coloured balcony represents the racial divisions within the community in a direct form.

Accompanying the racism are the social inequalities. Scout is constantly reprimanded for not being feminine or for behaving in a masculine way. This indicates the gender roles and stereotypes of the time, many of which still exist today.

Dialogue particularly reinforces characterisation, the characters' views and their relationships with others. "Scout, I swear you're getting' more like a girl everyday." Colloquial language adds to the effect of the dialogue which can reveal the moods of the characters.

Through these details the audience is challenged and made to think about how the times have changed and the social injustices that still plague the world today in a time of supposed equality.

Madison Magno

# YEAR 9

## YEAR 9 CAMP

The Wellbeing Team have organised a camp for year 9 in term 4. The dates are Monday 12 October—Wednesday 14 October and it will be at Great Aussie Bush Camp in Kincumber.

The students will be participating in team building and wellbeing activities, outdoor sports activities and other fun group activities. The camp is run by a professional company who tailor the activities to the student's requirements.

If you haven't already done so please update any allergies or intolerances with the front office so that this information is correct for the camp organisers.

Further details will be available shortly and then payments can be made to the front office by the end of term 2.

## WELLBEING UPDATE

In support of our Year 9 Wellbeing program and the PDHPE curriculum, the Wellbeing team have organised an incursion for students on Thursday 18 June Week 9.

Students will participate in a workshop highlighting the difficulties adolescents encounter in the face of peer pressure to indulge in unsafe behaviour. It dispels the myth that drugs, alcohol and fast cars are cheap thrills.

Your children will see that substance abuse is expensive - your money, your health, and your relationships and ultimately.....

This show promises another action packed play with an important message for students of all ages. This is an important area for students to develop resilience and coping mechanisms.

Students will be in the Performance Space with teachers. Facilitators from "Brainstorm Productions" will conduct the play and activities that stimulate discussion and provide relevant, current information.

Mrs Roulston Year 9 Adviser



# AGRICULTURE

I spent the last Friday and Saturday of term 1 at the Royal Easter Show with Pittwater High students. I have always been impressed with our students on days like this. They had to make their own way to the Showground and be there by 9am on Friday morning. They rang me at 8.45am to find out my whereabouts as they were all there and waiting. Their job on this day was to support a show team of Lowline cattle and calves. This involved washing, cleaning, leading and generally preparing the animals for their competition. All activities were done with energy and interest (even cleaning and polishing the 15 show halters!).

The owners of the cattle were very impressed and are interested in developing our relationship further by providing us with cattle to show ourselves. (See letter page 15.) Our day on Friday ended at about 7pm at the Showground. The Show team members that were involved on this day were Will Bailey, Lucie Leonard, Robert Hulton, Danelle Kelliher, Jason Beard, Isabella Howard and Penny Fraser.

On the Saturday, Danelle and Jason were entered in the "Youth Poultry Showmanship" competition. Starting time was 8am! The students had to use one of our show poultry and demonstrate their ability to handle the bird and display it for judging. They then had to stand up on stage and be questioned by the senior judge and the master of ceremonies. They were questioned about the breed of chicken, how they were prepared for the show, and how a judge would identify the best bird of its type. All this was done in front of an audience of about 200 people. There were 80 competitors in this competition. I was proud and impressed by the way both students spoke with confidence and also the knowledge they possessed.

Our Show Team continues to achieve great success against schools with much greater resources and showing history. Well done to the whole team, not just those who I have mentioned in this report. Many students have played a role; from year 8 collecting and grading eggs (which won best school egg plate) and year 9 preparing birds for the Hy-Line and Steggles competitions. I'll publish the final results after all competitions have been finalised.

Leigh Thatcher – Classroom Teacher



# AGRICULTURE

## ROYAL EASTER SHOW RESULTS FOR PHS

Note: Results for each class are displayed as follows: Award, Catalogue Number, Exhibitor, Exhibit

### POULTRY SCHOOL POULTRY CLASSES

#### CLASS: 1072 - Standard Soft Feather Light Breed, any variety, female

2 2841 PITTWATER HIGH SCHOOL MONA VALE NSW 2103

#### CLASS: 1080 - Soft Feather True Bantam, any variety, female

1 2888 PITTWATER HIGH SCHOOL MONA VALE NSW 2103

#### CLASS: S5024 - CHAMPION SOFT FEATHER TRUE BANTAM, ANY VARIETY

Winner 2888 PITTWATER HIGH SCHOOL MONA VALE NSW 2103

#### CLASS: 1082 - Hard Feather, any variety, female

4 2910 PITTWATER HIGH SCHOOL MONA VALE NSW 2103

### POULTRY SCHOOL EGG LAYING COMPETITION

#### CLASS: 1090B - Hy-Line Brown Commercial Layers - Eggs

7 3359 PITTWATER HIGH SCHOOL MONA VALE NSW 2103

### POULTRY SCHOOL EGG CLASSES

#### CLASS: 1093 - Twelve Eggs, Hen, One Colour

1 3386 PITTWATER HIGH SCHOOL MONA VALE NSW 2103

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SERENA DOWNS

AUSTRALIAN LOWLINE CATTLE

Christine & Michael Noel

42 Nutwood Lane

Windsor Downs NSW 2756

[serena.downs@bigpond.com](mailto:serena.downs@bigpond.com)

29<sup>th</sup> April 2015

Mr Leigh Thatcher

Pittwater High School

Mona St

Mona vale NSW 2103

Dear Leigh,

We are writing to commend you and the school on the efforts of your Agricultural Team during their visit with our show team at the 2015 Sydney Royal Show this month.

Michael and I were very impressed with the students' capacity to listen and learn and with their willingness to pitch in and help in what is a very busy time for all exhibitors. We are sending you a flash drive with some photos of the students cleaning the cattle halters, learning how to properly fit halters and learning about Speckle Park cattle, which were the breed in the rows behind us, in the Downes Pavilion.

We are including some of our Sydney Royal ribbons for the school, as a thank you from us, for the students' contribution to our success at the Show this year. As we said to the students on the day, every single job is important in preparing cattle for the ring and for public display, including the less glamorous jobs of polishing up the leather halters and cleaning out the bedding.

The students of Pittwater High School's Agricultural Team contributed to the success of 'Serena Downs' both in the judging ring and with the Royal Agricultural Society's award for "Best Maintained Team of Australian Lowlines, 5 Head and Over" which we have now proudly won for the fourth year in a row.

We would look forward to working with your students again in the near future, should working with studs remain on the Team's agenda.

Kind regards



Chris Noel



# NSW SECONDARY SCHOOLS REGATTA

## NSW Secondary Schools Team Racing Championship 2015

The NSW Secondary Schools Team Racing Championship was a three day regatta from Friday 1 to Sunday 3 May. Nineteen teams, each consisting of eight students entered the Championship; Pittwater High School was the only co-educational State High School competing amongst the likes of Knox, Scotts College, Cranbrook, Riverview, Brigidine, Ascham, Sydney Boys, Mater Maria, Canberra Girls and Canberra Boys.

In team racing the race course is a square S shape, two teams race at a time, three boats in each team, and two crew in each boat. The races are short and there are plenty of them (180 races over the three days), they require skills in crew work, tactics and teamwork to get the best combination of your team's three boats over the line to win the race. On-water judges call penalties during the racing. The schedule is gruelling and tests the endurance and concentration of the competitors. Between races the teams wait on the changeover barge with all the other competitors where there is plenty of friendly rivalry and banter.

An additional element testing the teams last weekend was the torrential rain and cold conditions. The Pittwater High team started the regatta strong, with an almost perfect scorecard on day one, only one loss followed by the opposite results on day two. On day three Pittwater went into the knockout rounds ranked 11th and knocked out Brigidine (ranked 6th), Ascham 1 (ranked 3rd). Pittwater then raced against Riverview (ranked 2nd) in a best of three races to make it to a sail-off for the finals. The Pittwater team won the first race against Riverview and were leading the second race but were penalised by the umpire, Riverview went on to win two of the three races. Pittwater then sailed the best of three against Scotts 2, losing 2-1 coming away with a fourth overall in the regatta.

Pittwater High School has a proud history of success in teams racing and sailing. This year's team included Captain: Harley Walters (year 12), Travis Thorn (year 12), Harry Hall (year 11), Nic Andersen (year 9), Tavish Walters (year 9), Liam Rodgers (year 9), Jessica Deathridge (year 8) and Logan Walters (year 7), in true team spirit Nathan Weiss (year 8) and Jarrah Sheppard (year 8) stepped aside for this regatta, due to crew weight combinations but will be instrumental in the future team.

Thank you to all the parents for supporting the team and to the P and C and Pittwater High School and coach ex-student James Farquharson. We are hoping to enter two teams next year so any Pittwater High sailors interested in teams racing, please advise Mr Johns.



# CAREERS

**Parents/Carers:** Please don't hesitate to contact me via phone or email if you have any questions.

**CAREERS EXPO: Friday 15 May, periods 3 and 4 for all year 10 and 12 students**, the permission note was given to students a month ago and it has also been emailed home. Please return the permission slip and \$15 to the red box **no later than Wednesday 13 May!!**

## **Year 12:**

**Meet The Business Leader**, (or "Cadetship Evening")

**Date:** Wednesday May 20 at 5-8pm **Location:** Luna Park

**Contact:** Valeska Halpin; Careers Engagement Coordinator: 9290 5708 or 0434 335 670

## **Year 10:**

**Careers Lessons** this term, once a fortnight. We will be:

- delving into our family's careers history,
- completing a personality profile and how that affects our career choice,
- researching the Careers Expo to make the most of the excursion,
- looking into subject selection choices,
- investigating the "Job Guide"!

Also, students should be looking for a suitable **work experience** employer! Remember the required documentation should be returned 2 weeks before the placement. **Photos** of your placement would be great for the newsletter.

**JOBS/Other news:** Students need to check their **department emails** regularly for advertised jobs! Also, checkout [www.seek.com.au](http://www.seek.com.au) for more jobs or **The Manly Daily** for local jobs!

**WEP Student Exchange Information Session** - Come along to find out everything you need to know about student exchange and the options you have to study overseas as an international exchange student.

**Where:** Warringah Mall Library, 145 Old Pittwater Road, Brookvale

**When:** 16 May at 10:30am - 12pm

**See over page regarding information night if interested in studying in the United States**

## **YEARS 10, 11 AND 12 STUDENTS: Please log onto**

The [MHSCareers](#) website-Pittwater High School subscribes to this website which **advertises current careers events**. To login: use "[parent](#)" or "[student](#)" then password "[14cairns](#)". You can also register for email alerts! The "Calendar" is great info!

For more **general careers information**, look at our Careers website by checking out [CareersWorks](#), students should have the password but email me if you need a copy?

Also, we have created the [Pittwater High Careers](#) website, please have a look and encourage students to **register!!**

I would love some **feedback** on the above websites, please email me on [jocelyn.bates@det.nsw.edu.au](mailto:jocelyn.bates@det.nsw.edu.au)

Jocelyn Bates, Careers Adviser



THE UNIVERSITY OF  
**CHICAGO**



JOHNS HOPKINS  
UNIVERSITY

## **Johns Hopkins University *and* The University of Chicago Joint Information Program**

Join admission representatives from the University of Chicago and Johns Hopkins University at an information session for prospective students and their families. This session includes a brief overview of each institution and information about the admission process. Space is limited so please register in advance.

### **Session #1 Wednesday, May 13, 2015 - 5:30–7:00pm**

**Cranbrook School  
Governor's Ballroom  
5 Victoria Road, Bellevue Hill**

Please enter via the main gate at 5 Victoria Road, Bellevue Hill. Parking is best found on Victoria Road or Rose Bay Avenue.

Register at: <https://prospects.uchicago.edu/register/cranbrookjointsession>

### **Session #2 Thursday, May 14, 2015 - 5:30 - 7:00pm**

**Redlands School  
Redlands Hall  
272 Military Rd, Cremorne**

You may enter the school via Military Road or Gerard Street. Please note parking is not available on school grounds, but will be easily accessible on the surrounding streets.

Register at: <https://prospects.uchicago.edu/register/redlandsjointinfosession>



# MUSIC NEWS

TERM 2 WEEK 4

## PERFORMANCE & MEETING DIARY DATES



### Term 2 and beyond

19 May	6.30pm	Performance Space	Year 7 Concert Evening. Music Extension class and other year 7 students
22 May	6.30pm	PHS Hall	Hilarious Hypnotist Bring friends The ticketing link is: <a href="http://www.trybooking.com/HQUJ">http://www.trybooking.com/HQUJ</a>
31 May			Last day to express interest in Shadow Tour of China
29-31 May	All weekend	Port Macquarie Tour	Senior Stage Band
2 June	7pm	Pittwater RSL	All parents: Instrumental Committee Meeting
13 June	Session TBC	Northern Beaches Instrumental Festival	Strings, Senior Strings, Orchestra Parking Volunteers needed
21 June	Session TBC	Northern Beaches Instrumental Festival	Concert Band, Symphonic Band Parking Volunteers needed

**Rehearsal Music:** Some rehearsals are being delayed for poor "sheet music management." Music to be with the students at rehearsals in line with what the directors expect.

**Congratulations to Josh Weeks** Year 8 passed his grade 4 on tenor saxophone with a credit

**2015 Payments:** The online portal will open for access by the end of this week. Please return a complete registration form to Rick Elliott [icycold@outlook.com](mailto:icycold@outlook.com)

**Band meeting:** Thanks to everyone who attended last week. **Next meeting June 21.**

**2015 Fundraising:** Many thanks to students Sidney Nobs, Claire Thompson and Ethan Shapcott and parents Brett Hooper, David Richards, Karen & Grant Shapcott, Mel Livingstone and Ludo & Kate Straetmans for helping with the parking in the rain. We will need more volunteers to help with **parking** on the busy weekend afternoons at the Northern Beaches Instrumental Festival. This is **easy fund raising** – the kids collect the money at the gate and adults maximize the number of cars that get stacked into the grass area. Dozens of ensembles will be arriving/departing for their events. Please let me know if you can help with parking, and your preferred time.

**2016 China Tour:** Time is running out to commit to the shadow tour. USA Billet opportunity exists

**Uniforms:** Please contact Melissa urgently if you haven't yet purchased your performance shirt [melissa.turnock@pilatesscene.com](mailto:melissa.turnock@pilatesscene.com)

# PITTWATER HIGH SCHOOL

Uniform Shop Hours – Tuesday and Thursday 8:15-11:15am

Date: \_\_\_\_\_ Order taken by (internal use): \_\_\_\_\_  
 Student's Name: \_\_\_\_\_ Roll Call: \_\_\_\_\_  
 Contact Phone No's (Home): \_\_\_\_\_ Parent Mobile Phone: \_\_\_\_\_

				ORDER DETAILS		
	ITEM	SIZES	PRICE	SIZE	QTY	TOTAL
GIRLS	Junior Tartan Tunic – Summer	6-22	69			
	Junior Tartan Skirt – Summer	6-22	40			
	Junior Tartan Skirt –all year round	4-18	60			
	Junior Blue Short-Sleeved, Pintucked Blouse	10-22	27			
	Junior & Senior Long Black Pants – Winter	4-16	27			
	Senior White Short-Sleeved Blouse with Maroon Piping, PHS Embroidery	8-22	32			
	Senior Grey, Front Pleated Skirt – Summer and Winter	8-22	60			
	White Ankle Socks	Not sold at Uniform Shop				
BOYS	Junior Maroon Polo Shirts with PHS Emblem	10-26	32			
	Junior & Senior Grey Surf Style Shorts	XXS-5XL	39			
	Long Grey Pants	Not sold at Uniform Shop				
	Junior Midford Grey Elastic Waist Shorts	12-18	25			
	Senior White Collar Short-Sleeved Button Shirt with PHS Embroidery	16-26	30			
	Senior Maroon School Tie with PHS Embroidery		25			
UNISEX	Maroon Fleecy Zippered (Hoodie) with PHS Embroidery	XXS-XXL	50			
	Junior Maroon Sweatshirt (Sloppy Jo) PHS Embroidery	12-22	29			
	Junior Grey Woollen "V" Neck Jumper	10-18	70			
	Senior Maroon Woollen "V" Neck Jumper with PHS Emblem	10-24	75			
	Senior Maroon School Blazer with PHS Emblem	14-24	110			
SPORTS UNIFORM UNISEX	Maroon Microfibre Shorts PHS Logo	XS-XXL	35			
	Maroon Knit Short PHS Logo	12-16	25			
	White Polo Shirt with PHS Emblem	10-24	32			
	Navy Microfibre Tracksuit Pants	12-XI	45			
	Navy Microfibre Tracksuit Zip Up Top with PHS Emblem	12-XI	45			
	PHS Maroon Rugby Shorts	XS-XL	25			
	Maroon and White Long Rugby Socks		10			
OTHER	Scientific Calculators		33			
	Portable USB 2GB		4			
	Black Winter Stockings – Girls	S,M,L	9			
	Year 7 book pack (inc. scientific calculator)		75			
	Navy Apron		12			
	Year 8 book pack		50			
TOTAL AMOUNT TO PAY						

NAME OF CARDHOLDER: \_\_\_\_\_ (exactly as shown on card)

Card No: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

Expiry: \_\_\_\_/\_\_\_\_ CCV No: \_\_\_\_\_

Total Amount \$ \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please CIRCLE method of payment      CASH      CHEQUE      EFT      Credit Card – MASTERCARD / VISA

EFTPOS facilities available - 1% surcharge on credit card purchases

Cheques are to be made payable to "Pittwater High School Uniform Shop" and have a 5 day clearance hold on items purchased.

All orders must be accompanied with payment and put in an envelope, clearly marked "Uniform Order", and placed in the Red Box in A Block or given to a supervisor in the canteen. Collect uniforms from canteen at any time.

A selection of second hand uniforms are available for purchase at reduced prices


The Uniform Shop is open every Tuesday and Thursday from 8.15am to 11.15am, and located at the far end of the Canteen –

enquiries 9979 6968 or contact the Uniform Shop manager Kim Gobbe.

15 October 2014



# HYPNOTIST



Greg Hudson Hilarious Hypnotic Entertainment

Raising Funds for Pittwater High School

**Pittwater High School Hall**  
**22nd May 2015**  
**Doors Open 6.30pm**

**Limited Seats**  
**\$20 per head**

Come and See the Show or BE THE SHOW!

**Book Now Online:**  
[www.trybooking.com/HQUJ](http://www.trybooking.com/HQUJ)  
**or Call:**  
**Katrina: 04106 47631**

Northern Beaches



Support Group

*A problem shared is a problem halved*

The Northern Beaches ADHD Support Group is a voluntary, parent-run group offering support for parents of children or teenagers with ADHD via regular meetings. The group is run aims to provide a supportive environment to discuss and learn more about ADHD in order to best help parents and kids alike.

**SPEAKER EVENING: DR LEILA MASSON**

**"An Integrative Approach to ADHD:**

**Nutrition & Lifestyle changes to improve children's learning & behavior"**

Dr Leila Masson is an integrative paediatrician who combines Allopathic Medicine with a nutritional and biomedical approach to help her patients attain optimal health.

Dr Masson specializes in a holistic approach to children's health problems, including allergies, asthma, behaviour problems, autism spectrum disorders and ADHD.

Dr Masson's aim is to treat the whole child, not just the symptom & to support families on their path to better health.

In this talk Dr Masson will give you an overview of nutritional and lifestyle changes that may help children with ADHD improve their health, behaviour & learning. In particular, she will discuss an optimal diet for children, nutritional supplements that may help children's learning, behaviour & attention, ways to reduce stress and additional therapies that may improve focus, attention & learning.

**Monday 18<sup>th</sup> May 2015 @ 7.00-9.00pm**

**The Pittwater RSL, Main Sail Room, 82 Mona Vale Road, Mona Vale**

Ticket reservations essential via  
<http://www.eventbrite.com.au/org/4222746751>

Register on Eventbrite



Facebook: <https://www.facebook.com/BeachesADHDSupport>  
 Facebook Forum: <https://www.facebook.com/groups/BeachesADHDSupportGroup/>  
 Email: [nbadhsupportgroup@hotmail.com](mailto:nbadhsupportgroup@hotmail.com)  
 Website: [www.northernbeachesadhdsupportgroup.com.au](http://www.northernbeachesadhdsupportgroup.com.au)  
 We sell the Entertainment Book online via our website



Your guide to ADHD information, services & resources in the Northern Sydney region.  
[www.adhdguide.com.au](http://www.adhdguide.com.au)



Venue kindly sponsored by  
 Pittwater RSL Club

PITTWATER HIGH SCHOOL PRESENTS



Music by **Matthew Sklar**  
 Book by **Chad Beguelin and Tim Herlihy**  
 Lyrics by **Chad Beguelin**

Based on the New Line Cinema film written by Tim Herlihy  
 By arrangement with Hal Leonard Australia Pty Ltd Exclusive agent for  
 Music Theatre International (NY)

**OPENS JULY 15th**

TICKET INFORMATION AVAILABLE SOON

## Moonlight Cinema Success!

It was not the perfect, balmy evening we had envisaged, as we had a few moments of precipitation and it was very windy, however our wonderful and hardy audience braved the conditions and, from all accounts, had a fun night.



Sincerest thanks to everyone who bought tickets, and who brought along friends and family. Thank you especially to those who helped on the night.

The night would not have been possible without the generous and unhesitating support of everyone who volunteered.

Special thanks to **Katrina Mellon** who came up with the idea for the night and who pulled out all stops to make it happen. Thanks also to Chris Marshall, Mark Shepherd, Nancy Chaffer, Melissa Turnock, Bindi, Helena, Kiri, Mrs Ferris and Dr Hardy for being there all night to deal with all manner of incidents from sledgehammers to sprinklers. And a special mention to Lewis Molloy for his wonderful photography which captured the fun mood of the night.

A big thanks also to our local business sponsors: Charrill Charlies, Harris Farm Markets, Just Cuts Warriewood, L J Hooker Monavale, Vividity Portrait Photography, MGS Physiotherapy, Devitts and the Virtual Assistant.

The PHS China Band Tour Fundraising Team

# CANTEEN NEWS

<b>Wednesday 13 May:</b>	Belinda Hodges, Fiona Griffith
<b>Thursday 14 May:</b>	Dianne Del Pozo, Kate Bryant, Sheridan Femia
<b>Friday 15 May</b>	Debbie Havenstein, Sue Nicol, Susan Crosse
<b>Monday 18 May</b>	Tanya Leishman, Michelle Le Creurer
<b>Tuesday 19 May</b>	Leonie Olivari, Blandine Bizeau, Ann Clayton
<b>Wednesday 20 May</b>	Melissa Trbojevic, , Linda Newman, Di Brian, Helen Mijakovac
<b>Thursday 21 May</b>	Keryn Gallagher, Sarah Jones, Margaret Woods, Peter Woods
<b>Friday 22 May</b>	Rebecca Wall, Sunny Van Raad, Lisa Haworth
<b>Monday 25 May</b>	Rebecca Wall, Sunny Van Raad, Lisa Haworth
<b>Tuesday 26 May</b>	Georgia Bramham

**Please advise canteen managers Katrina or Felicity (ph 9999 4035, x122) if you are unable to make your canteen day. Please don't assume you will be covered.**

If any parents, friends, family or grandparents would like to assist on any day helpers are needed please contact myself or the Felicity or Katrina in the canteen.

A full day is 9am to 2.30 or 3pm      A half day is 3 hours

Fiona Griffith, Canteen Roster Co-ordinator



**Miramare Gardens**  
**Myoora Road :: Terrey Hills**  
**14th and 15th May 2015**  
**Thursday, 9am til 2:30pm**  
**then 3:30pm til 7pm**  
**Friday, 9am til 2:30pm**

*Students, Parents and Families Welcome!*

*Information Sessions on Thursday Night include: Gap Year, Universities Admissions Centre and ThinkSwap!*

*Check out [nbce.com.au/nbce](http://nbce.com.au/nbce) for more details*

**Entry: \$5 per person**

brought to you by



## INVITATION TO STUDENTS AND PARENTS

There are two concerts coming up in weeks 5 and 6. Both are on Tuesday nights beginning at 6.30pm in the Performance Space and all are welcome. Admission is free.

On May 19 there is a year 7 concert which will feature both the 7p and 7e classes as well as individual and group items.

On May 26 there is a year 8 concert which will feature the two elective music classes. They will present their projects as well as group and individual musical items. This will be a great night for year 7 to see what happens in the year 8 music classroom.

Dr Martin Hardy—HT CAPA

