

# **Balcatta Bulletin**

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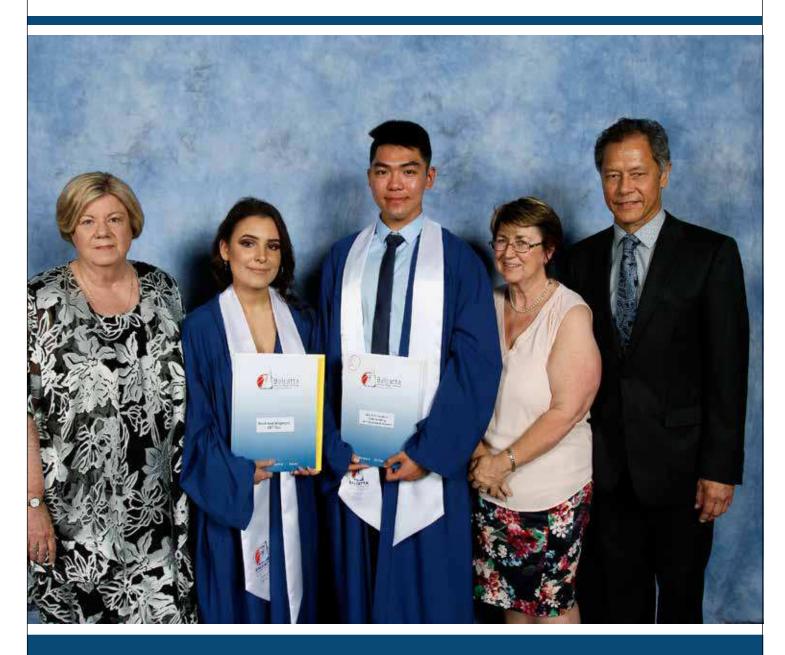
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### From the Principal

It seems that every year December comes around more quickly than the year before and this year is certainly no exception. A busy and productive Term 4 has flown by and we have experienced the interschool athletics carnival, reward excursions, camps, incursions, transition days, the Gifted and Talented Visual Arts Exhibition, the 2016 Dance Concert "Release" at the Dolphin Theatre at the University of Western Australia, both internal and external examinations and the very special Year 12 Presentation Ceremony.

All of these events and activities have been in addition to the learning programs that students have undertaken in their subject areas. This term I have had the opportunity to go and sit in on a number of classes including Mr Blitvich's 'Legends' Science class and I saw first-hand the improvement in grades made by many of his students. I also had the pleasure of visiting Mr Castensen's Science class and awarding certificates to more than 80% of the class who achieved a test mark of above 90%, with many achieving a perfect score. It has been a similar story In Mathematics, Physical Education, English and HASS where students are fully engaged in the learning activities. Our Art students have excelled themselves with some outstanding pieces being produced and our Dance and Drama students have once again produced work of an exceptional calibre.

During week 8 all Year 7 students took part in a three day cross curricular rich task based on the topic of Water. Their normal timetable was suspended and all students worked in small groups to research an issue associated with the topic. They were required to present their final product in two formats with one being ICT based. The quality of the work produced was exceptional and it was a delight to see how enthusiastic they were about the tasks. A video collage of their work is available on the website under Events. I encourage all parents to take a look at the video which I am sure they will enjoy.

It was a pleasure to attend the Year 12 Presentation Ceremony on Tuesday 29 November and witness so many students receiving awards and being congratulated for their efforts. On the night five students told me they have applied to study medicine at University of Western Australia, four more told me they were keen to study nursing, while others want to study engineering, accountancy, law, medical science and both primary and secondary teaching. We also have students who have already been accepted into various training providers to study mechanics, plumbing and ICT to name but a few. I am thrilled that whatever university course or training course our students want to enter they are supported by the staff and their families and can achieve their goals if they put in the effort. It was a very positive evening and it was obvious that our students appreciated the opportunities that they had access to at Balcatta. I know that all staff are very keen to hear what our former students are doing so if you have any information about ex-students, please phone the school on 9345 8260 or email balcatta.shs@education.wa.edu.au

The end of every school year heralds a number of staff changes as teachers and support staff take up positions in other schools, accept a promotion or go on leave. I would like to thank all staff for their commitment and dedication to the education of students at Balcatta Senior High School. In particular, I would like to acknowledge the enormous contribution of Stephen Pestana, Associate Principal, who leaves us to take up the position of Foundation Principal at a new secondary school in Ellenbrook. Stephen has been at Balcatta Senior High School for 13 years, and also acted as Principal on several occasions. I thank him for his expertise and dedication and wish him well in his new role.

Lesley Street Principal



Director General Sharyn O'Neill, Helen Notis, Chair of School Board and Minister Peter Collier at the IPS Presentation



Year 7s hard at work on the Rich Task

#### 2016 Final School Council meeting

On Wednesday 30 November the School Council met for the last time. When the group next meets on 22 February 2017 it will be their first meeting as an Independent Public School (IPS) Board. Already this year we have experienced the benefits of IPS status as all our staffing for 2017 has been conducted utilising the flexibilities afforded by our new IPS status. This has meant we have been able to select our staff to match our school context and specific requirements. In 2017 we will welcome new staff members in Science, Mathematics, English, Humanities and Social Science and Physical Education.



Christmas thank you for school volunteers

#### **Year 12 Farewell Assembly and Morning Tea**

The final Year 12 Assembly was held on Tuesday 18 October, followed by a lovely morning tea in the staff room. Our Year 12 Prefects announced the incoming 2017 Prefects at the conclusion of the Year 12 Farewell Assembly. Congratulations to the following Year 11 students, Matthew Milner, Kate Surace, Wilson Chalwe, Domonique Barone and Sarah Hashimi on being chosen by their peers to fulfil this important leadership role for 2017.



Year 12 staffroom breakfast



2017 Prefects

#### Students support R U OK? Day

Thursday 8 September was R U OK? Day Australia-wide. In 2009 Gavin Larkin founded R U OK? as a not-for-profit organisation. His vision is a world where we are connected and are protected from suicide. The organisation's mission is to encourage and equip everyone to regularly and meaningfully ask "Are you ok?"

Balcatta Senior High School supports R U OK? Day by raising awareness about mental health and encouraging staff and students to ask the simple question: Are you OK? With guidance from their form teacher, classes were encouraged to have an open discussion about how you can start a conversation with somebody whose welfare you may be concerned about.

Students were taught the steps involved in being proactive and caring for a friend which include asking the question 'R U OK?', listening without judgment and taking responses seriously, encouraging people to take action and ensuring that they follow up with the conversation at another time.

Physical activity is another of the many ways to promote and support a healthy mind and body. This year the school chose to stage "Human Foosball". Students from Years 7 to 12 were randomly selected to participate in Human Foosball matches on the oval throughout the day. Everybody participated in good spirits, thoroughly enjoyed the experience and many students supported the activity from the sidelines. The school is keen to participate again in R U OK? Day next year and is investigating what other group participation games are available.

Year 10 students have again participated in the Teen Mental Health First Aid program that ran over three weeks during the latter part of Term 3. The purpose of the program was to equip students with the skills to help themselves or others when a mental health crisis arises. The program was facilitated by School Psychologists from the North Metropolitan Regional Education Office. Students were actively involved in the program and the feedback has been extremely positive. Given the rise in mental health related issues in the wider community we hope to continue with this very worthwhile program in the future.



Student Foosball team



Students enjoying Foosball

# Year 12 Presentation Ceremony

On Tuesday 29 November the school farewelled our Year 12 students at a Presentation Ceremony held at the Victory Life Centre in Osborne Park. The evening celebrated twelve successful years of education for 93 students, and was an important milestone that acknowledged a new chapter in their lives.

On behalf of the entire school community, we congratulate the subject and special award winners who received certificates, gift cards and financial scholarships from various Universities.

It was a very special evening and the staff, families and friends were all united in their support of our graduates. In her Principal's address, Lesley Street stressed five things including the need to achieve to your potential, be kind to others, be kind to themselves, follow their own path and dream big. She also told the graduates that everyone at school would follow their future endeavours with interest.

Following the Presentation Ceremony, staff and graduates attended a celebratory dinner at Beiyrut Restaurant in Tuart Hill. The evening was a great opportunity for students to get together as a group for the final time and to have a relaxed and fun-filled evening after the ceremony. Students enjoyed excellent Lebanese food and many talents were on display at the piano and Karaoke machine.

#### **Special Awards:**

Khai Nguyen was awarded the Best and Brightest ATAR Dux and was also the recipient of the Commitment to Excellence Award, and the Anna Kristancic Outstanding Achievement Award. Khai intends to study medicine at the University of Western Australia.

The Best and Brightest VET Dux award went to Ebony Hayes. She was also the recipient of the Australian Super Award for Excellence in VET. These awards were presented by Mrs Kathleen Criddle, Head of Vocational Education and Training. Ebony will continue her career with BHP Billiton Iron Ore.

Kayla Hogg was the recipient of the Balcatta Senior High School Sportsperson of the Year Award presented by Mrs Helen Notis, Chair of the School Board.

Mr Julian Vinciullo, Principal of West Balcatta Primary School, presented Ben Harrower with the Senior School Special Commendation Award. Ben was also the recipient of the Joan Ewers Community Service Award presented by Mr Stephen Pestana, Associate Principal.

We were privileged to have in the audience School Board member and local Member of Parliament, Mr Chris Hatton, MLA. Mr Hatton presented Dean Tus with the Caltex All Rounder Award.

Tijana Srnic was the recipient of the Edith Cowan University Scholarship which was presented by Mr Stephen Pestana, Associate Principal. Tijana intends to use the scholarship to study for a degree in nursing. The Curtin University Principal's Recommendation Awards were awarded to Nicholas Notis and Heidi French by Mrs Helen Maitland, Associate Principal.

Sonja Drljaca was the recipient of the University of Western Australia Excellence Award presented by Mr Stephen Pestana, Associate Principal.

Mitchell Griffin was the recipient of the Australian Defence Forces Long Tan Leadership and Teamwork Award presented by Flight Lieutenant, Ryan Higgo.

Congratulations to each of these students for their outstanding achievements in 2016. The 2016 graduates have left a lasting impression on the staff for their commitment to the Balcatta Senior High School values of Respect, Unite and Excel. We are sure they will make a wonderful contribution to society.



Mr Pestana & Ben Harrower



Mr Hatton & Dean Tus



Ms Street with Dux Khai Nguyen



Ms Criddle & Ebony Hayes

# **Year 12 Subject Awards**

### Celebrating excellence across all disciplines

The Arts awards were presented by Ms Alison Martin on behalf of Ms Jamie Arkeveld, Head of Learning Area Arts, who was unable to join us on the night. The Visual Arts ATAR award went to Sonja Drljaca and Kody Mason received the Visual Arts General award. Ivy Nguyen was the top student in Design – Photography General and Emily Burney took out top honours for Dance General.

Ms Elisa Lewis, Acting Head of Learning Area for Humanities, presented both the English and History awards to the top students. The award for English ATAR went to Sonja Drljaca and the English General award went to Jerson Jacinto. The EALD ATAR award went to Ira Fortun and Nicole Torres received the award for EALD General. She then presented the Modern History ATAR award to Dean Tus.

Mr Arul Niroshan, Acting Head of Learning Area Mathematics presented the Mathematics awards to our top students. The Mathematics Specialist ATAR went to Khai Nguyen while Joanne Chen took out the Mathematics Methods ATAR award. Ira Fortun was the top student in Mathematics Applications ATAR and Jerson Jacinto received the Mathematics Essentials General award.

Mr Rod Blitvich, Head of Learning Area Science presented Sonja Drljaca with both the Chemistry ATAR award and the Human Biology ATAR award. Khai Nguyen received the Physics ATAR award with Zak Khalif taking out the Psychology ATAR award and Jerson Jacinto the Psychology General award.

Mrs Joanne Keep, Acting Teacher in Charge of Technology and Enterprise presented the Business Education & Computing awards to George Carpio for Applied Information Technology General, Henry Wilson for Certificate III in Business, Gomo Dukuly for Certificate II in Business and Nigel Goh for Certificate II in Information Digital Media and Technology.

Henry Wilson was the top student in Certificate II in Visual Art (Wood Focus).

Mrs Joanne Keep then presented the Home Economics awards to Christina Border for Certificate III in Retail, Niamh Carey for Certificate II in Hospitality and Mitchell Griffin for Food Science and Technology General.

Mrs Kathleen Criddle, Head of Vocational Education and Training presented the Vocational Education & Training award for top student to Ebony Hayes for the Authority Developed Workplace Learning (Endorsed Program).

Mr Geoff Birkett, Teacher in Charge of Health and Physical Education presented the Health and Physical Education awards to Jerson Jacinto for Physical Education Studies and Ben Argus for Certificate II in Sport.

We congratulate all subject winners.



Kayla Hogg & Ms Notis



Heidi French & Ms Maitland



Henry Wilson & Mrs Keep



**Emily Burney & Ms Martin** 



Jerson Jacinto & Mr Niroshan



Ben Argus & Mr Birkett

# **Our People**



**Dr Martin Dougiamas** 

#### Ex Balcatta Dux honoured

Dr Martin Dougiamas, who was Dux at Balcatta Senior High School in 1985, has certainly made a name for himself with his invention of Moodle, an open source Learning Management System. While studying for his Master's Degree and PhD at Curtin University, Martin developed the set of on-line tools that would become Moodle. The system has over 71,000 sites and is used by more than 84 million educational institutions and educators worldwide. By 2015, it was probably the most popular Learning Management System in the world. Martin's invention is used not only in education settings, but also by not-for-profit organisations, and most recently by Syrian teachers to educate students about the dangers of mines.

In 2016, Martin was awarded an Honorary Doctorate from the University of Victoria - Central in Catalonia 'for his contribution to open source software through his leadership of the Moodle platform.' In his acceptance speech for the award, Martin said that he always felt attracted to collaboration, group activities and education as a process to share and learn together.

Recently Martin was honoured when he was selected as a Western Australian finalist in the 2017 Australian of the Year. Although Martin has been offered millions of dollars for Moodle, he has refused these offers as he is committed to ensure Moodle is available without charge to all who need it.

### Madison selected for Public Sector Traineeship

Madison Rabnott, a Year 10 student, has recently been selected for one of only four school-based traineeships to be awarded this year by the Public Sector Commission. To gain one of these highly sought after paid traineeships, Madison was required to compete against over 40 applicants, attend a formal interview and participate in some scenarios. Madison's success means that she will be paid to work for the WA Police at their East Perth Office, two days a week. She will also gain a Certificate II in Government during her time with the Police. We congratulate



Madison Rabnott with Keira Edwards-Power

#### **Accolades for Beverley Dainton**

On Wednesday 26 October, Beverley Dainton was honoured when she received an Outstanding Professional Service Award. These awards are given by the Professional Teaching Council of Western Australia to representatives of Professional Associations who have made a significant contribution to education. Beverley has been associated with the West Australian Association of Teacher Assistants (WAATA) for many years and has chaired the Association for the last three years. She has also worked tirelessly to ensure Teacher Assistants are provided with high quality professional learning and has been an active member of the Conference Committee. Beverley researched, produced and implemented a Life Skills program at our school and then delivered a workshop on this program to the delegates at the WAATA Conference. The school is delighted to see her expertise and commitment acknowledged.



**Beverley Dainton Outstanding Professional Service** 

#### Alana selected as finalist

Last term, some of our students participated in the Australian Science Teachers Association STEM Challenge. We are very pleased to announce that Year 8 student Alana Riley was selected as a finalist. Alana won a \$100 pizza party for her science class which was enjoyed by all. Well done Alana!



**Alana Riley** 

#### Millie Jackson Rigby

Millie was selected as a member of the Jitterbugs Mixed Age Synchronised Ice Skating Team representing Western Australia for 2016. It is a great honour to be selected to represent your state. Her team was given this opportunity to compete against the strongest teams in the country. Millie was selected after many hours of training and this is testament to her skill and dedication.

The team competed at the Australian Figure Skating Championships in Melbourne held from 22 November to 1 December 2016. The synchronised skating program, of which Millie is a part, is endorsed and supported by the Department of Sport and Recreation Ice Skating Association.



Millie Jackson Rigby

### **Interesting Events**

#### Interschool Athletics Carnival

On Wednesday 12 October, Balcatta Senior High School sent a select group of students to the State Athletics Centre to compete in the Interschool Athletics Carnival.

Students were selected on merit for various types of events including running, jumping and throwing, based on the results of our Interhouse Athletics Carnival. It is always a pleasure to take students to these events as they are highly motivated, mature, well behaved, very supportive of each other and display great sportsmanship throughout the day.

Congratulations to Danielle Venables, a Year 11 student who earned runner-up for her age group. Also, a special thanks to all the students who participated in the carnival.



**Athletes in action** 

#### Victory Life to the rescue

Huge thanks to Seth, Israel and the team at Victory Life for their ongoing support of Balcatta Senior High School in 2016. This year, the team operated and donated all food to the Breakfast Club which is held on Wednesday and Thursday mornings. They also run sporting competitions in the gym on Fridays, provide entertainment during lunch breaks and individually mentor a number of students.

Most recently, at lunch-time on Friday 17 November, the team ran 'minute to win it' games and brought 'sumo suits' and 'gladiator duel' inflatable games for the students to use. The event was attended and enjoyed by all year groups. We are very thankful for the assistance the Victory Life team provides to the school and look forward to welcoming them again in 2017.



The Victory Life team

#### Global issues task

Year 10 Science class created some excellent pieces of work for the Global Issues unit. The task was to create something that would inform people of the issues surrounding climate change and perhaps even motivate them to take some action. We felt using the students' art skills was important, as the general population does not attend science conferences, nor do they read scientific articles. This was another way of reaching and teaching people.





**Year 10 Science Global Issues Creations** 

#### **Modern History Excursion**

On Saturday 22 October, 13 of our Year 11 Modern History ATAR students met at the University of Western Australia for a Student Seminar Day run by the History Teachers Association of WA. The students attended a lecture on Nazi Germany and then attended a session on source analysis and examination skills.

Our group was the largest school group in attendance at the seminar day and all students participated fully, representing the school values of Respect, Unite and Excel in an extremely dignified manner.

We hope that the students' exam results will reflect the time they spent at the seminar improving their History skills.



(Front Row L-R) Kathy Nguyen, Loren Perkov, Hannah Turko, Kim Nguyen (Back Row L-R) Hukmina Isse, Tyler Fleming, Rados Nikacevic, Tahnee Brookes, Domonique Barone, Matthew Milner, Matthew Kacki, Wilson Chalwe, Danial Hairul Annuar

# **Year 6 Transition Days**

### Welcoming our new students and providing them with a taste of what they might experience at our school

#### **Year 6 Transition Debating Program**

This year has seen the school introduce an inaugural Year 6 Transition Debating program for one of our local primary schools. The Grand Final took place on 12 September at Tuart Hill Primary School. The two teams provided the audience with lively competition, demonstrating how well they had researched and prepared for their debate.

The Year 6 students performed the key roles of Chairperson, Timekeeper and Affirmative and Negative team speakers. The Balcatta Senior High School Debate Team members judged the event. The students worked very hard during the five week program, tutored by the dedicated and professional Year 10 Debating team members.

It has been a terrific program and it showcased how well young students can work together. We appreciate collaborating with Tuart Hill Primary School staff and look forward to conducting the program again next year.

#### **Transition Activity Day**

On Friday 28 October, 130 Year 6 students from local feeder primary schools and a further 30 students from out of area primary schools, attended a "Big Day In" event. This activity is a critical part of our Year 6 Transition to High School Program. The afternoon kicked off with a welcome from our Principal, Ms Lesley Street, followed by a sausage sizzle co-ordinated by English teacher, David Curtis, assisted by the Years 7 and 8 student councillors.

The students were then handed over to Geoff Birkett and his Physical Education team who hosted a session of fun, team building games on the main oval. Students were randomly allocated to groups and presented with a number of challenges to solve. They all participated with enthusiasm and vigour. With lots of huffing and puffing, pulling and pushing, students quickly got to make new friends. During the activities our student councillors provided freshly sliced fruit and drinks for the students.

The afternoon was a great success and the Year 6 students went home feeling comfortable and relaxed about attending high school next year. Mr Peter Gates, Principal of Balcatta Primary School, remarked that the day had a great feel and his students had enjoyed themselves. He thanked all involved for their participation and organisation of the very successful day.



Tess Curtis with Tuart Hill Year 6 debating students



Lunch looks good



**Lively discussion** 



Transition Day fun

### **Activities around the school**

#### **Year 6 Orientation Day**

On Thursday 24 November, 100 Year 6 students from our local feeder Primary Schools attended Balcatta Senior High School for the day. They began with a tour of the school accompanied by Year 8 students who acted as guides. Each student was given a quiz to complete during the day which asked them to find the location of various specialist areas and staff. After lunch, the students were then separated into four groups and rotated through various classroom activities including cooking, art, science and physical education. Our Specialist Dance Program students put on a performance for them to enjoy. Following this, the students were provided with answers to the quiz questions. The day ended with students being able to have a swim in the school's pool before heading home.

The students all agreed that it had been an exciting and informative introduction to life at high school. We look forward to welcoming the students back as fully fledged Balcatta students in February 2017.



Year 10 students teach a Chemistry lesson



Year 6 students in Home Economics



Year 6 students preparing for team games

#### **Cupcakes Creations**

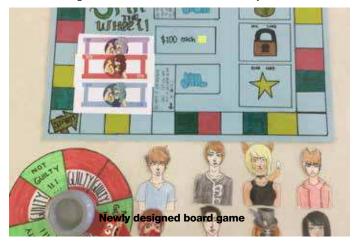
During Week 6 this term, the Year 10 Café Foods classes completed a Cupcake Challenge. Each student was required to design and produce six individual cupcakes. They were only limited by their imagination and some spectacular cupcakes were created. Many students attempted to create characters such as the Cookie Monster and Teenage Mutant Ninja Turtle from their favourite children's television shows. Other students went for a more sophisticated design producing some ice-cream sundae styles as well as some beautifully intricate roses. The standard achieved by every student was very high indeed. Each student should feel a sense of achievement and be proud of the talents and skills they have developed. Ms Street was lucky enough to sample one of the cupcakes and she said it was better than a cupcake she had bought at a commercial bakery. Teachers Emma Powney and Sky Osborne were delighted with the efforts their students put into this task and hope they will use their talents to impress their friends and family at future special events.



Colouful cupcakes

#### Year 8 HaSS Class Playing Games

The Year 8 Humanities and Social Science classes were given the task of creating an exciting, fun and interactive board game of their choice to teach younger students about Civics and Citizenship. While working on their games and researching the information and activities that needed to be included, the students demonstrated excellent team work, social skills and a deep understanding about law and order in our society.



### **Art News**

#### **Art Exhibition 2016**

On Wednesday 19 October, the opening of this year's annual Gifted and Talented Art Exhibition for 2016 was held at the Ron Murphy Gallery. Professor Ted Snell AM officially opened the exhibition to large crowds consisting of special guests, Mr Chris Hatton MLA, member of the Balcatta Rotary Club, students, parents, teachers and the wider community.

The exhibition showcased outstanding art work created by students in Years 7 to 12 in a range of studio areas including drawing, printmaking, photography, painting, ceramics, digital art, sculpture and urban art. The themes were based around people, places and objects.

This year saw Balcatta Rotary Club yet again, kindly sponsor the Award of Excellence for Year 10 and 12 students in the Gifted and Talented Visual Arts program. The worthy recipients of this award were Scarlett Coley (Year 10), Kody Mason and Sonja Drljaca (a joint award for Year 12). Congratulations to these students for their efforts in pursuing artistic excellence in Visual Arts.

The Bevan Hill Acquisition Prize was awarded to Kody Mason for

The Bevan Hill Acquisition Prize was awarded to Kody Mason for his large mixed-media painting titled "Mammifere Suprematie" which will join Balcatta Senior High School's extensive art collection.

Many thanks to those members of staff who contributed to the success of the exhibition. Particularly noteworthy, was the fabulous catering by our Year 11 Hospitality students under the excellent supervision of Sharon Holmes and Val Terry.



Kody Mason, Chris Hatton and Sonja Drljaca



An example of Kody Mason's work

#### 'Release 2016' Dance Performance

On Friday 25 November, the annual end of year dance concert took place at the Dolphin Theatre, University of Western Australia. The concert featured students from the Approved Specialist Dance program who performed a repertoire featuring different styles ranging from Contemporary to Jazz to Hip Hop. Students were at the theatre from early morning rehearsing and perfecting their pieces to be showcased to the audience that evening. The concert attracted a full house and the appreciative audience applauded every performance.

The show opened with the Year 12 students taking part in a tribute to Michael Jackson titled 'Beat It'. This was followed by outstanding performances by students in Years 7 to 11. The highlights included the Year 10 students' performance 'Flashback Friday' which featured music from the 90's, 'Magic Mix' by the Year 8 students, the Year 9 students' performance of 'Darkness Within' which was a reflective piece exploring the balance of dark and light within each human being. The Year 11 performance of 'Detentionnaire', featuring a guest appearance by Home Economics teacher Sharon Holmes, was very well received by an enthusiastic audience.

At the end of the concert, the seven graduating Year 12 Dance students were presented with flowers and gifts from Alison Martin and Kristina Balic. The students reciprocated and thanked the two teachers for their commitment to the program over the year. Photos of the concert, taken by Phoebe-Lee Schmiedte, will be on the website for viewing. Congratulations to our guest journalists from Year 9, Suhasi Patel and Kaylea Ormsby.



Year 11 and 12 students performing I Don't Feel Alone



Year 10 students performing Flashback Friday

# Year 7 Project Challenge

#### **Cross-curricular action**

Late In term four, all Year 7 students were involved in an exciting cross-curriculum project that investigated Perth's water needs and how Perth's growing population has affected water levels. The timetable was suspended for three days and students worked in collaborative groups to research and investigate a topic of their choice and to consider possible solutions to the growing issue of the need for water conservation. Each group was required to present their Rich Task using two different formats, one of which needed to be technology based. A team of 8 staff from different learning areas came together with four Year 10 students (Sherie Soronio, Lily Routledge, Robyn Bennett and Nicoletta Antic) who were appointed as interns to assist the students with any queries relating to technology or possible applications they could use.

The staff involved said the quality of research conducted, the mature way the students interacted with each other and the high levels of engagement observed were extremely pleasing. A major highlight for members of the administration, the staff and students was watching the very creative and thoughtful presentations in which students created Prezis, iMovies and websites to share their research, ideas and solutions to an attentive and enthusiastic audience. It was also impressive to see some practical and innovative solutions offered to address Perth's water needs in the future.

A very big thank you goes to all the staff and students who gave their time and creative energy to be a part of this very successful, collaborative project. We hope this event will become an annual event.



Staff and intern team ready for work



Tegan Tuckerman busily researching her topic



Solving the water problems



A happy team at work



Luke Dragicevich gives advice

#### **Engineering Visits Science Classroom**

In conjunction with the Edith Cowan University Engineering Department, a group of our Year 10 students have been designing and creating a drone.

With the assistance of an engineering specialist, the group had the opportunity to apply physics principles to the design of a flyable drone. They learnt about aeronautical science and were able to apply scientific knowledge to an area useful to humanity. The students enjoyed the opportunity to focus on how engineering and applied science contribute to society.



Studying the principles of drone design



Our outgoing prefects at their farewell morning tea

Balcatta Bulletin