

RiversideCurrents

Semester 1 2019



Pictured: Jacinta S, viola & dancer, Vanessa Z, cello, in the piece, *One Entity*. more pictures of the performances on page 2.

Principal's Report

Since arriving at Riverside Girls High School I have been impressed with the variety and quality of student experience. This publication showcases, in more depth than the monthly mailout, aspects of student experience. I congratulate the students and staff whose contributions are shown here and in particular acknowledge the professionalism and dedication of staff.

Over the past two weeks 38 talented dancers, under the direction of their teacher Ms Tamara Mitchell, have given professional and inspirational performances in the Sydney North Dance Festival in three pieces entitled *One Entity*, *(Dis)connect* and *The Walk*. Adding to the excellence of the performance was the impressive musical accompaniment composed by Jacinta S and played by Jacinta S Vanessa Z and Esther K. Jacinta displayed her versatility by dancing while playing her viola with an outstanding and emotional performance.

Congratulations to Emma B, Hannah B, Elle B, Grace B, Imogen B, Amy C, Giselle C, Niki F, Sophie G, Nina G, Valerie G, Chloe H, Chloe H, Mikayla K, Marissa K, Sienna L, Daso L, Kayla L, Isobel L, Annie L, Imogen M, Tyler P, Hannah R, Alice R, Eliane S, Emily S, Jessie S, Jacinta S, Sousada S, Andrea T and Emma V - the Riverside Dance Company and to Lily B, Ashley B, Kamryn B, Meghann B, Aimee C, Leah C, Marianne C, Kasumi D, Mia J, Briella J, Zoe H, Isa H, Samantha K, Sunday L, Freya M, Isobel O, and Larissa S members of the Riverside Dance Ensembles.

Girls in Property

Nineteen Year 10 students recently represented the school in the Girls in Property final event at Minter Ellison at Governor Macquarie Tower with their entry *Creating a 'Place' for Your School*. The standard of the presentations from all thirteen schools was very high. While the girls were not the overall winners, they are to be commended for their professionalism and enthusiasm shown throughout the process and their outstanding presentation.

Congratulation to Ms Angela Mihalou who was successful, through a process of merit selection, in gaining the position of Head Teacher TAS at Riverside Girls High School

I wish all staff, students and their families a safe and relaxing holiday and look forward to working with you again next term.

Alison Gambino (Relieving Principal)



Riverside Delights

The Riverside Dance Ensemble and The Dance Company performing at the Sydney North Dance Festival at the Glen Street Theatre.

The choreography, music, costumes and lighting combined to create three works of outstanding variety revealing the depth and talent of the Riverside dance students.

Ms. Mitchell is justifiably proud of her dancers as is the whole Riverside community.



Ex-student's Outstanding Achievement in Fashion - Ariana Patawaran (Class of 2014)



Ariana left Riverside in 2014 and, following her passion for design, began a design course at UTS.

She designs her garments using her own knitted fabric to which she applies Swarovski crystals. The garments then take on a life of their own as they sparkle and tinkle as the wearer moves. Ariana describes them as chandelier-like garments. The garments reflect Ariana's extreme dedication as each takes many days to complete.

Fortunately, due to the charm and uniqueness of her designs, she has been assisted by the Swarovski organisation, without which her designs would not have been possible.



Interview with Ariana Patawaran (Photographed above right)

What have you been studying since leaving RGHS?

I left Riverside in 2014 and immediately began to study a Bachelor of Design in Fashion and Textile (Honours) at UTS.

Talk about your attitude to design.

I live and breathe what I do. It's a dream of mine! Textiles in RGHS was, really, the first time I was able to exercise it. Design over time, I realised, has always been a pursuit of bravery for me: to break boundaries, boundaries set by the world around you and more importantly, you. It's about being open to multiple possibilities, challenging yourself to execute them and ultimately, learning from it all: your successes and your failures.

What is your choice of medium. Why.

I love knitwear and textile development - there's something about creating your own fabrication from scratch that is incredibly special. It's laborious, yes, but it's 100% YOU.

What drives your designs?

I'm a very nostalgic person, so, you will often see me collecting imagery from decades past. I'm driven by attitude, more than anything, a fierce and unapologetic fabulousness... if that's how people feel in my garments then I have done my job.

Tell me about the design scholarship in US.

It has always been a goal for me to gain overseas experience in my field - in three months time, I will be moving to New York as I have been fortunate enough to be given a full scholarship for a graduate program at Parsons School of Design.

Why use such a difficult and costly decorative medium?

My collection entitled "Kitsch, Please!" revolved around extravagance, embellishment and knitwear. It was an idea I proposed for Honours and thankfully, I was given a Swarovski sponsorship: the result is over a thousand crystals knitted, sewn and glued in to make one of a kind, chandelier-like garments.

Reactions in the fashion community to your designs?

It's been an overwhelming amount of love and support. I was lucky enough to be chosen, nationally, to show at Melbourne Fashion Festival and to be included in Vogue Australia's Generation Next list of creatives.

Anything you'd like to say. Message to other T & D students still school.

I would like to send my gratitude to all my teachers, particularly the TAS teachers who came to see my show last year! If there is anything I would like to pass on to Textiles students, it would be to: stay curious, stay true to your interests, believe in what you do... so others will too! Don't leave your portfolios to the last minute!



Pictured above: the models who walked at the Melbourne Fashion Week in outfits decorated with Swarovski crystals designed by Ariana P

Riverside Hospitality Students Host Ryde Network Principal's Conference



The Menu

- Massaman Beef Curry
- Vegetable curry
- Rice & green salad
- Poached pears with chocolate and cream





Influenced by Japan. Year 11 Textiles Creations

The five garments shown here were the results of a Year 11 Textiles & Design brief which required the students to modify Japanese patterns to create their own and then construct the garments.

This was a genuine STEM activity as the modifications involved Mathematics including utilising Pythagoras' Theorem. (the square on the hypotenuse is equal to the sum of the squares on the other two sides). This was needed when calculating the dimensions of the triangles used in several garments.

Pictured (L to R, top to bottom) are Georgia S, Bella P, Lucy B, Ruby M, and Ruby T (black top) next page. There was much complexity in the construction of the garments.





TAS Students Visit AEGIC

Different grains make different products. Recently Year 12 Food Technology class visited AEGIC, the Australian Export Grains Innovations Centre, located in North Ryde. They learnt about the chemical and physical properties of different varieties of Australian wheat, how wheat is milled into flour and what types of wheat are preferable for our Asian export market.

While learning about all of this, the students learned to make bread and noodles.

They were shown how foods are tested for the nutritional content labels, that are seen on the packages of food we eat. They saw and used industrial equipment used in testing foods and had hands-on activities in the mill, bakery and food laboratory.

It was great to learn first-hand about what AEGIC does in the food industry and they are very grateful to Dr Sonya Richard, the Senior Research Scientist, for enabling this excellent opportunity.

All-in-all, it was a fantastic day and to top it off they also got to take home the loaves of bread and Asian noodles that they made. Pictured below : the Year 11 group, rolling dough, making noodles, and getting the feel for different grains.



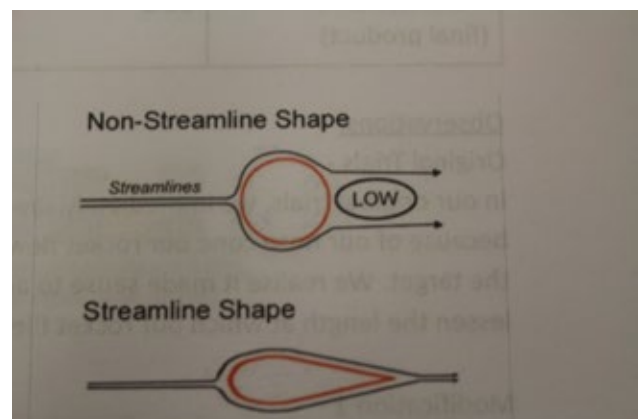
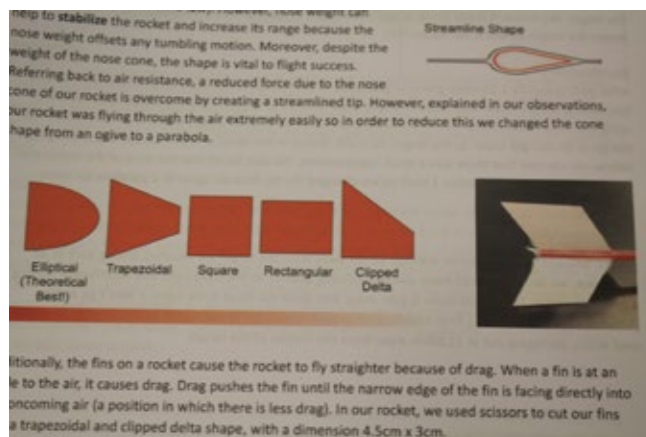


STEM in Science looks at Sustainability, Energy, Rocketry and Biomimicry

STEM in Science presents the students with real world problems to solve through research, applying scientific principles, trial and error, common sense and experimentation. Through a variety of projects, Years 8 and 9 have applied Newtons Laws of Motion, studied ways to convert Riverside into a more energy efficient campus and designed buildings which utilise the process of heat exchange from below the ground to cool buildings or using water pumped from the Parramatta River. They have investigated the use of cladding, wall insulation, skylighting and solar panels to test the effectiveness of various materials and room designs.

Through research using websites from MIT, NASA and Apogee Rockets the students were able to investigate rocket design. Students discovered that factors such as weight, size and tail finshape will impact on the successful firing of the rocket and its accuracy. The rockets were propelled using an air driven ram (purchased by the science department) and rockets were assessed by their accuracy in hitting a target.

In researching ways to retrofit buildings to maximise the elements of the natural world, students devised heating tubes which recycled hot air from a building under ground where the air cooled and was pumped back into the building to cool it. Other students worked on the proximity to Parramatta River to use water pumped into the cavity walls in the buildings to reduce temperature. Some students suggested the use of block-out curtains on windows, banks of solar panels on the roofs and large size wind-driven fans to cool and produce electricity onsite.



The pictures above show the results of student research into tail fin designs as they impact on trajectory, accuracy and distance of rockets ready for testing.

Rocket designs were assessed on their ability to reach a set target.



Leonardo's Bridge

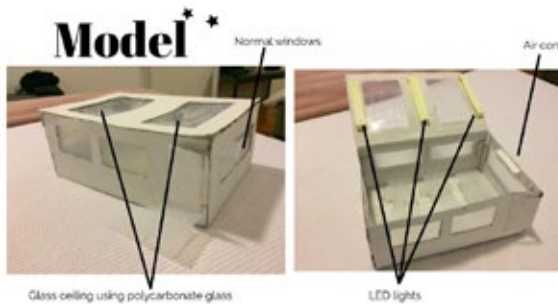
Heili R and Jessica W (Year 8) worked tirelessly to replicate in miniature the design elements of Leonardo's bridge.

Leonardo's arched bridge is brilliant in that the design is self-supporting, requiring no fasteners.

Leonardo envisioned using nothing but large logs to build his bridge.

The bridge's own weight holds it together.

As weight is added to the bridge, its structural elements are forced more tightly together, making it even stronger!



Student designed solutions to reduce the cost of current heating and cooling methods for school classrooms.

The models and accompanying power point presentation slides reproduced on these pages show the creativity and depth of research undertaken by these science students.

Cost

- \$25 per square metre
- One window - \$312
- One demountable - \$524



Pipe Planning

Distance: 1.51km

The Design

Photo of our design



The underground layer and how it works



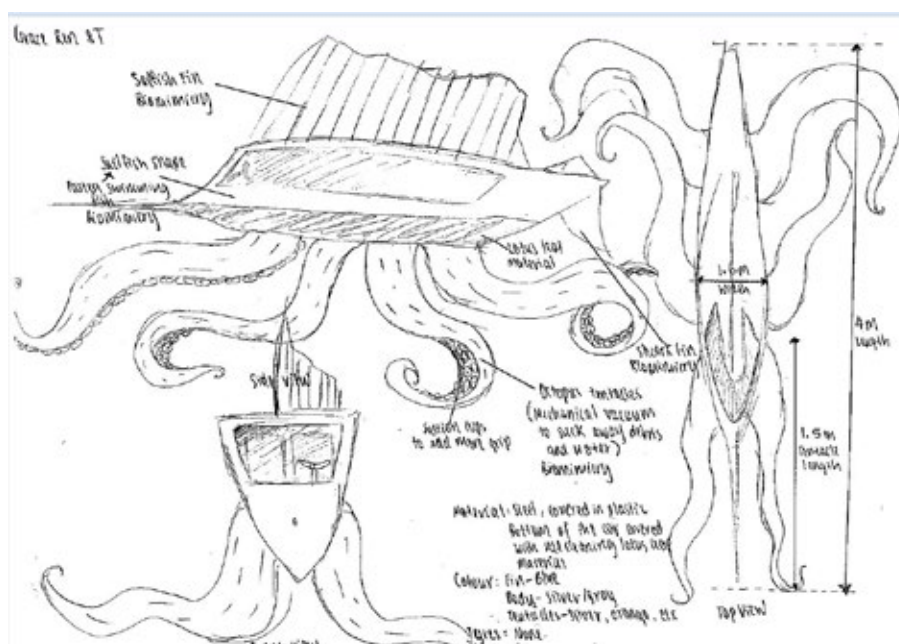
Grace R, finalist the Toyota Dream Car Art Challenge (Biomimicry).

Projecting yourself into a future world, appreciating the possible problems and designing a vehicle which is suitable for this future world was a task set by Toyota in one category of their Dream Car Art Challenge.

Grace R (Year 8) ICT student, approached the problem of rising sea levels by designing a vehicle which propelled itself through water using concepts of science and technology.

Grace turned to biomimicry for her design, utilising the properties found in the natural world. The car body was shaped like a sailfin fish (the fastest fish in the sea), covered with a fabric with properties of the lotus leaf whose surface repels water and propelled by octopus like tentacles operated by computers.

The finalists in each of three age groups received a \$500 gift voucher from Apple. This is an international competition which last year attracted over 100,000 entrants.



Year 7 Camp Narrabeen Lakes Sport & Recreation Centre



Year 7 Wellness Camp ... Students' Speak...

We had three days at Narrabeen, including a two night stay. We did multiple activities including kayaking, high ropes, bush walking/ damper making and archery.

I enjoyed most of the activities but my favourite was high ropes because we got to challenge ourselves by trying to go high and conquering our fears. Another favourite was hanging out with my friends in our cabins and spending lots of time with them.

Camp is an experience of a lifetime, from the activities to the people that I met. Going on camp was exciting, I couldn't even sleep the night before. The morning of camp I was so happy. I've been on a camp before and it was so much fun but not as good as this camp. Wethuli B

The activities that we did on camp were amazing. My favourite activity was kayaking. even though it was cold it was so much fun. - Erin B

Year 7 camp started with the bus ride. We sang on the bus and listened to music. Our first activity was bushwalking. We made damper and roasted marshmallows, when we came back, we smelt like fire.

The next day we went kayaking in the morning, it was not fun because the coldest part of the day is the morning and to top that it was 11 degrees Celsius but I found it very fun because I jumped in the water and it felt refreshing.

Overall, I thought it was a very good experience. - Aya T

We did a lot of activities over the three days that included kayaking, high ropes, archery and initiatives, and bushwalking. I highly enjoyed the year 7 camp because I loved hanging out with my friends, creating memories, doing fun activities and more! - Amelia R.

Special thanks to Ms Carney, Ms. Miller, Mr Russell, Ms Jamons, Ms Muir, Mr Hunt, Mr Russell, and Ms Trombetta - it was such fun!





Girls In Property 2019

Day 1 The girls worked at school developing ideas for their individual projects involving an area of property development. The areas include 1. Involving the community in our school. 2 An affordable housing project in East Arnhem Land. 3. Redevelopment of a retail shopping centre.

Day 2 Involved in the 7am start and trip to Western Sydney University, Parramatta city campus. After a welcome there were inspirational talks and a Q&A session from successful women working in the property industry. Their careers included Law, Accountancy, Finance, IT, Marketing, Architecture, Town planning, Urban Design and Facilities Management. The afternoon session involved the girls working on their individual projects with mentors from the Property Council.

Day 3 A reception and welcome at the City Recital Hall from the Lord Mayor of Sydney Clover Moore. She not only told the girls about the plans for Sydney but also about her career journey from teaching to politics. We were then given a behind the scenes tour of the retail shopping precinct at Centrepoint hosted by SENTRE Group. After the tour the girls were guests at a luncheon in 'The Salon' at Centrepoint Tower hosted by female management at Sentre Group.

Day 4 At school working on individual projects and project presentations.

Day 5 Project Presentations at a school assembly in front of Year 9. They were a judged by four members of the NSW Property Council. It was a close decision, the winner was the School Community group. Their development proposal involved improved use of the school and surroundings areas for various community uses, organic farmers market, Korean Church, community gardens, The River Run through Gladesville Hospital and Huntleys Cove as well as a new multi-purpose learning centre on the lower sports field.

Day 6 The winning Riverside 'School Community Group' presented at the finals against twelve other High Schools and were placed second behind Strathfield Girls High.

Day 7 The winning team from Riverside will be guests at the annual Property Council, Women in Property luncheon held in the grand ballroom at Westin Hotel in Sydney to be held later this year.



Riverside's 'Wicked' Witches



Riverside Girls High School students presented "Wicked" at five full house shows last week in the school auditorium. Performers pictured, l to r, are Imogen Bronsan (Dr Dillamond), Isabella Joyce (Nessarose), Lucy Bubalo (The Wizard), Jordyn Richards (Elphaba), Emily Simmons (Galinda), Claudia Freiha (Madame Morrible), Amelia Warren (Fiyero) and Rachael Porthouse (Boq). See more Page 8. TWT on-the-spot PHOTO.

Riverside Makes Front Page of The Weekly Times

THE smash hit musical "Wicked" was performed at Riverside Girls High School last week.

Executive Producer Graeme Lowe said the performances were a huge success and the audience at the school was enchanted with this magical production.

"Wicked is a prequel to The Wizard of Oz and goes through the life of Elphaba who is a nice girl until the disapproval of society turns her Wicked," he said.

"A cautionary tale about love, friendship and trust, Wicked effortlessly reveals that there are indeed two sides to every

story,"

He said the school performance director Renae Young went "above and beyond" with another mind-blowing musical this year.

"OurThe Musical features over 140 girls either on stage as cast, playing in the 40 piece orchestra, backstage, sound and lighting or involved in making costumes for the performance.

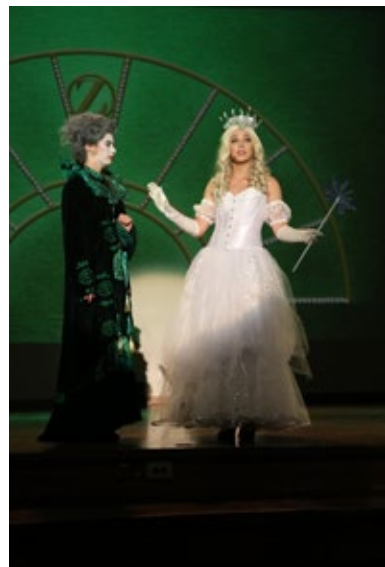
"The lead role of Galinda is played by Emily Simmons and Elphaba is played by Jordyn Rich-

ards.

"Riverside has always been proud to present these large scale productions which provide the Creative and Performing Arts students a chance to shine with their talent which is showcased in so many diverse ways."

The music and Lyrics are by Stephen Schwartz based on the novel by Gregory Maguire.

It is licensed exclusively by Music Theatre International and all performances material is supplied by Hal Leonard Australia.

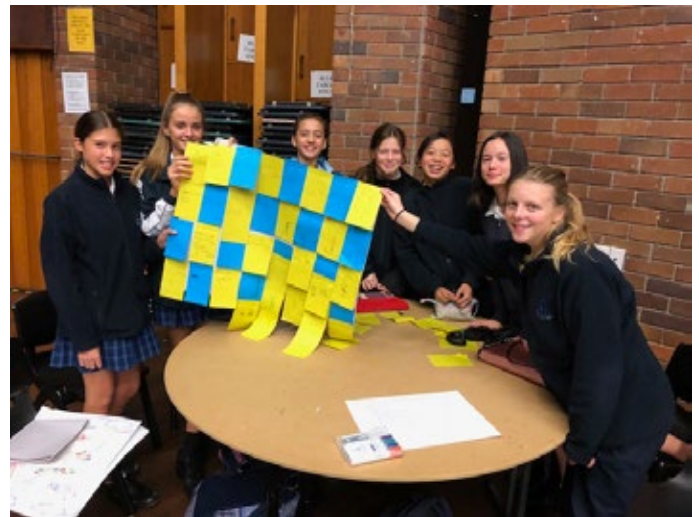






Creative Thinking Expo

Creative Thinking is a powerful way to empower our learners and provide them with the tools and skills to manage and deal with change effectively. It helps students look at problems and situations from a fresh perspective. To do so they need global citizenship and 21st Century skills; creative thinking is one of those and is regarded as a key skill for success. Creative thinking is a way of moving beyond barriers.



Open Volleyballer Triumph



The Open Riverside Girls Volleyball Team made up of Grace F (Captain), Olivia G, Sienna B, Victoria C, Emily F, Zahlee F, Claudia F and Emily S, have been training and playing together since Year 8 in the sport of Volleyball.

They are now in their final year at school and have left a legacy which will indeed be hard to follow. Amy W from Year 10 joined the girls when in year 9.

I don't think too many schools could vouch for such a dedicated group of strong, intelligent, passionate, talented and resilient young women. They have developed a unique bond and have become a force to be reckoned with on the volleyball court.

In my opinion, having coached them in over 350 training sessions, competed across the state and taken them to countless national tournaments... 'they are my dream team'. 'I simply couldn't have asked for any more commitment from a group of young women, believing in themselves to be the best they can be. It has been an absolute privilege to coach them on such an amazing journey.'

For players such as Grace, Olivia, Emily and Amy, the sport has seen them reach regional level and represent Sydney North at the Combined High Schools State Championships where they won Gold and Silver medals.

Grace and Olivia have reached State Level and dominated in their respective positions.

The team have just played in their last State Knockout Regional Game in which they defeated long time opponent Ryde Secondary College. This now puts them into the final 16 teams in the state. What a fantastic achievement it would be if they won.

Graeme Lowe (coach).



Alyssa L Success

Alyssa L. recently won bronze at the Oceania Athletics Championships at Townsville.

She competed in the U18 100m hurdles representing Australia.

Riverside congratulates her on this outstanding achievement.

Riverside Choir

At the beginning of this year, under the guidance of Emily Simmons, Performance Captain, a new School Choir was formed.

With the assistance of Mr Brett Hunt, Music Teacher and Musical Advisor, Ms Lisa Edwards and Ms Natasha Parnian, HSIE Teacher/SRC Coordinators and Choir Managers, and Amelia Warren, Senior Leader, choir numbers soon swelled to over 40 enthusiastic singers. We've had a big year so far.

Our first performance was at the School Anzac Assembly, where parents and caregivers of the Choir were invited to attend the assembly and join us for morning tea afterwards.

The Choir sung 'Abide With Me' beautifully, with lights and choreography enhancing the performance and fitting the solemnity of the occasion. The Choir used hand written palm cards to refer to the words, assisting their learning and literacy.

Since then, the Choir have performed our National Anthem regularly at assemblies. After a two week break from rehearsals due to the musical Wicked, the Choir performed a new song, written by Mr Hunt and dedicated to our school, in the special Wellbeing Assembly. Again with lighting and choreography, this was a great success and the choir had the whole school singing along with them. A performance of "This Is Me" from The Greatest Showman is planned for Term 3.

We are thrilled with our Choir members, who have kept the momentum and enthusiasm strong, and with the support of their parents and caregivers. We could not do it without you. With a strong team there is plenty of room for more singers. Rehearsals are on Friday mornings at 8.30am in the performance space. All are welcome.



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2019

Winter Holiday Camps

Camp 1 July 8th to 11th

Camp 2 July 15th to 18th

All camps (Monday to Thursday)
9am - 1pm

\$160 per child (\$40 per Day)
incl.GST

- Private lessons available

\$40 - 1/2 hr, \$80 - 1 hr
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Parent's Name: _____ School attending: _____

Ability level (approx): Beginner Advanced Beginner Intermediate Advanced

Preferred days and times: _____