



*Innovation in
teaching and
learning*

Welcome to Callaghan College's Community Newsletter. Throughout this publication you'll find a wide range of articles that showcase our student success stories as well as the amazing programmes on offer across all three campuses. From everyone at Callaghan College - enjoy!

WARATAH CAMPUS

Collaborating To Empower Learners

// WARATAH CAMPUS COMPETES AT HUNTER VALLEY ELECTRIC VEHICLE FESTIVAL

Waratah Technology Campus participated in the Hunter Valley Electric Vehicle Festival on Sunday 14th August.

Three bikes were entered including a Year 8 'DT Enrichment' bike, an 'iSTEM' bike and an 'Aboriginal Education' team bike. All bikes successfully completed the 1 hour endurance race at the Cameron Park go-kart track. 'Design and Technology Enrichment' came in at 9th place, 'Aboriginal Education' at 11th place and 'iSTEM' at 22nd place.

Unfortunately, 'iSTEM' suffered significant mechanical issues which left it stranded in the pits for 10 minutes of the race. The VET metals and engineering class assisted in the manufacture of unique components for the bikes and Darren Woodhouse, Aboriginal Education Officer, painted the art work on the 'Aboriginal Education' team bike. Waratah Campus also received 3rd place in the Port of Newcastle Design and Innovation component of the event, receiving prize money and two scholarships for the Newcastle University Summer Science school.



// JAPANESE STUDENTS VISIT WARATAH CAMPUS ON CULTURAL EXCHANGE

For those Novocastrians looking to travel to Japan, you'll be pleased to know that Newcastle has a sister-city arrangement with Yamaguchi City near Hiroshima. Waratah Campus has participated in highly successful cultural exchanges with Yamaguchi over many years. This year, 15 Japanese students and three staff members (a city official, a teacher and a nurse) visited our campus from 10th to 14th August 2016. It was a 4-night homestay, where students from our campus hosted the Japanese students in their homes. During their stay, the Japanese students taught our students about Japanese culture on their first day of the visit and on Thursday and Friday the Japanese visitors and their hosts attended excursions to show them around our great city of Newcastle and the surrounding area. These included a dolphin watch cruise, sandboarding at Port Stephens, a visit to Oakvale Farm and a city tour. The exchange students then enjoyed Saturday with their host families before leaving from the school on Sunday morning. A great experience for all those involved and I encourage everyone to participate in future exchanges.

// WARATAH CLUSTER TASTER LESSONS

Waratah Campus teachers from 9 subject areas took part in a new transition program involving all of its partner primary schools in the Waratah Cluster, giving them a 'taste' of high school. High school lessons were delivered to students at their own primary school by specialist Waratah teachers over three weeks. High school student mentors assisted in the lessons which included Crossfit, Science, German, Mathematics, creative writing, engineering mystery challenge, electric vehicles and music composition. Waratah Campus prides itself on its comprehensive transition programs to help prepare students for high school life as well as introducing some of the exciting subjects available to them.

Children loved the hands on science activities, especially because they hadn't used test tubes etc before. Very successful in giving children a sense of what to look forward to at high School.

- Teacher, Waratah PS

The teacher was super enthusiastic and organised and the students she brought along with her were excellent. An excellent example of what Waratah Campus has to offer. The activity itself was great! Very fun, engaging, and all students enjoyed it and participated actively.

- Teacher, Tighes Hill PS

// WALLSEND CAMPUS INTRODUCES GINGER, THUNDERCLUCK AND STEVE

The Support Unit would like to introduce their latest arrivals named Ginger, Thundercluck and Steve - three beautiful, feathery, egg-laying machines. The chickens were acquired as part of our gardening program, with the view to give students real-life educational experiences in animal husbandry, biology and sustainable agricultural practice. The ladies have settled in well to their new home which was constructed by the students and are enjoying the freedom of space, courtesy of our wonderful General Assistant (GA), Dwayne. They each lay an egg every day and are being well fed on scraps produced by the cooking class programs and leftovers from lunch and recess.

Each bird has a distinct personality with Ginger being the most dominant and greedy. Ginger is an ISA Brown, whilst Thundercluck and Steve are a mix of Silkie and Amber White. The eggs Ginger lays are traditional brown whilst Thundercluck and Steve's eggs are a beautiful light blue colour. Students and staff are all a little in love with our new ladies and they are being well looked after and spoilt with extra food and attention. We would like to say a special thank you to Dwayne who has been coming in at the weekends to ensure the ladies are fed and watered - he too is under their spell.

// F1 JAGUAR CARS IN SCHOOLS FINALS

Wallsend Campus entered two teams into the F1 Jaguar Cars in Schools Finals in the junior cadet class. Both teams qualified for state finals, an amazing achievement since only two teams were selected from amongst all entries.

Wallsend campus also entered two teams in the development class, with one team qualifying for state finals through a wildcard entry.

In the Cadet class, "Peel Racing" designed and led by students Kimberley Peel won best engineered car and qualified for the state finals, as did the "Speed Demon" designed by Adam Khan.

The project is part of a College wide emphasis on STEAM subjects where students can participate in designing, building and refining real solutions to real world problems through Science, Technology, Engineering, the Arts, and Mathematics.

// SOLAR CAR CHALLENGE - NSW MINI SPRINT CHAMPIONS

Eighteen excited students and two excited teachers travelled down to the University of NSW for the annual Solar Car race. Of the 74 cars that entered from across the state, Callaghan College placed 1st and 8th.



Quality
Community
Partnerships

WALLSEND CAMPUS



Tessa Bellamy, Amber Sheedy & Danya Best from Year 7 Wallsend campus placed 1st in the University of NSW Mini Sprint Solar Car Challenge. There was another car that was super quick in qualifying however, the team forgot to turn it on during their finals race. Congratulations to all the students and especially to Mr Graham Westley, Industrial Arts Teacher, in his 7th year of Solar Car racing.

// A CLASS ABOVE - WALLSEND CAMPUS GIRLS RUGBY TEAMS WIN AT NRL GALA DAY

Wallsend Campus Girls Rugby League teams enjoyed another successful and enjoyable day of 9-a-side footy at Waratah Ovals. This was the third and final NRL Gala Day for 2016 and it was by far the biggest.

SENIOR TEAM: Congratulations to the Senior Girls who continued their success from the Kacey Drummond Competition, winning all 5 pool games. The girls were a class above their opponents demonstrating terrific teamwork and a high skill level throughout all games. Player's Player: Taniel Bates; Coach's Award: Paige Nelson.

JUNIOR TEAM: The Junior Girls team featured some new faces for the third Gala Day, and it is pleasing to see the interest and growth within this age group. The girls won three games, lost one and drew one. Player's Player: Georgia Bragg; Coach's Award: Shanaye Mallory. The girls are all deserving of any accolades they receive this year and should all be proud of their work ethic, in training sessions, in school sport, and in Gala Day competition.



JESMOND CAMPUS



Diverse Learning Pathways

//FOR THE ART OF EXPRESSION

Nineteen Jesmond Campus Art students gathered to display their major works this term. While their styles varied significantly, from photography to sculpture, paintings to digital presentations, each student demonstrated the importance of exploring the range of their expression. Our Year 12 student Dean Klingl, captured the flowing symmetry of the human form through the subtle highlighting of powerful shapes, and the dramatic contours of light and shadow. Well done Dean!

//“WRITE YOUR OWN STORY!”

School Captain Cooper Stace delivered a simple yet touching message for all Jesmond students at the unofficial Year 12 farewell this term. Using one of the last days where all students would be on campus together, Cooper reminded her audience that while their journeys had been very similar so far, they would soon be writing their own life stories and that, “each page is ours to write.” Year 12 were then ceremonially clapped from the hall, a tradition that has been followed for many years on the senior campus.

COLLEGE NEWS

// VIRTUAL REALITY SCHOOL

Callaghan College has entered into collaboration with researchers from the University of Newcastle (UON) to lead the way in designing and documenting Australia’s first Virtual Reality School.

The project, called VR School, will engage Year 9 Science students from Wallsend and Waratah campuses in designing, building and evaluating a virtual reality Eco-friendly house using the world of Minecraft.

Through solving the problem of eco-friendly housing students and teachers will learn to code for a purpose; to create their own immersive virtual learning environments that align with the curriculum.

The project will be rigorously documented and evaluated and the whole journey will be shared globally through our website so that other schools, anywhere in the world, can follow or be part of our adventure.

The University research team includes Dr Southgate and Dr Smith, leading researchers into the gamification of learning and Dr Scevak, an educational psychologist. Two staff from each of the Callaghan campuses were part of the planning day, along with two representatives from the Callaghan Education Pathways partner primary schools, giving the project a real Kindergarten to University flavour.

