



**Rutherford
College**

A photograph of three dancers in a dark, stage-like setting. A female dancer in a black sequined dress is in the center, with her arms raised. Two male dancers in black tank tops are positioned around her, one in front and one to the side, with their hands near her. The lighting is dramatic, highlighting the dancers against the dark background.

2018 Yearbook

Tohea – To strive for personal excellence



Liana Sabetian receiving the 2017 Top Dance Scholarship Award in Wellington.





Rutherford College

Tohea – To strive for personal excellence

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2018 Contents



- 2** Principal's Report
- 4** Prefects' Report
- 6** Community of Learning
- 7** Top Scholars
- 8** Senior Prizegiving
- 10** Scholars' Assembly
- 12** Annual Rutherford Day



- 14** STARS Camp
- 16** School Ball
- 18** Mathematics
- 20** English
- 22** Social Sciences
- 26** Science

- 31** Technology
- 34** Mechatronics
- 35** Mahi-a-toi
- 36** Physical Education and Health
- 38** Outdoor Education
- 39** Gateway



- 40** Careers
- 42** Visual Arts
- 44** LEAP Accelerate & Extended Programme
- 46** International Languages
- 48** Te Reo Māori
- 49** Tūrangawaewae
- 50** ESOL and International



- 52** Community Education
- 53** Drama
- 54** Dance
- 56** Music
- 58** Cultural Committee & Awards
- 60** PolyFest
- 62** Cultural Groups



- 64** Sports Highlights
- 66** Sport Reps
- 68** Sport Reports
- 70** Sports Awards
- 71** Sport Captains
- 72** 2018 Staff

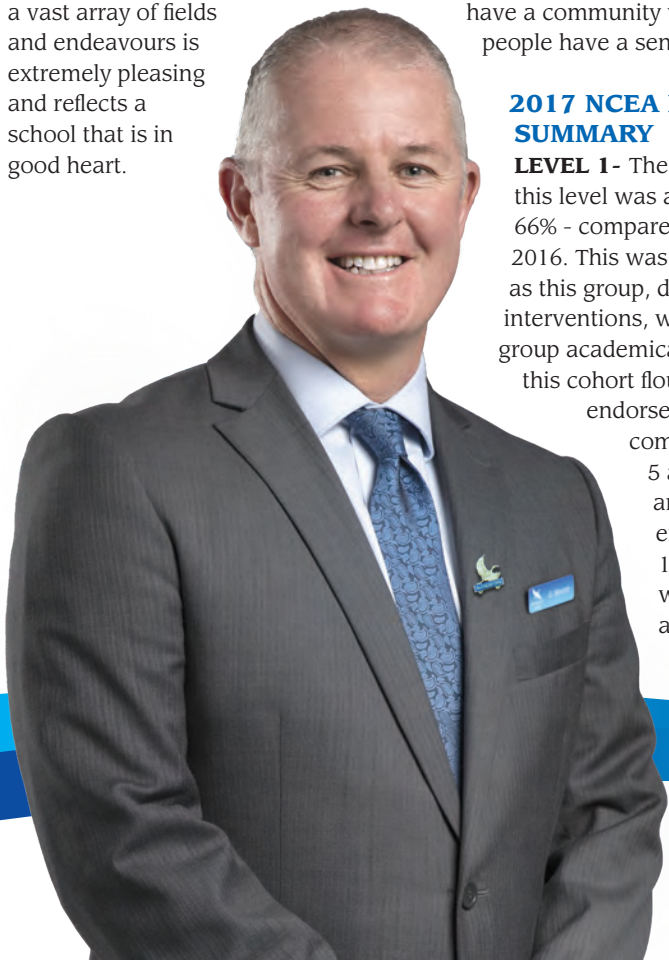
Tohea – To strive for personal excellence

Principal's Report

Principal, Mr Gary Moore

It is a pleasure to provide this report on the year that was at Rutherford College in 2018. The strength of our school continues to be the emphasis placed on the importance of people and building strong relationships between students, staff and the wider community. The one size fits one mantra and a focus on building authentic relationships built on common values and trust underpin who we are and what we do.

As a school we were again able to celebrate the achievements of our students on the National Stage with the success of Liana Sabetian who picked up the top individual subject award for the top scholar in Dance. 2018 has been a very positive year for Rutherford College. The success of our students across a vast array of fields and endeavours is extremely pleasing and reflects a school that is in good heart.



2018 has again been a special year for all involved at Rutherford. I am regularly reminded of the strength of our school. It is our people and the pervading sense of passion and purpose that creates the desire to strive for personal excellence (Tohea). When this is backed up with the good humour, can-do attitudes and valuing little acts of human kindness, we have a community where I believe people have a sense of belonging.

2017 NCEA RESULTS SUMMARY

LEVEL 1 - The net pass rate at this level was a disappointing 66% - compared with 75.7% in 2016. This was not unexpected as this group, despite numerous interventions, were a challenging group academically. The top end of this cohort flourished with Merit endorsements at 37% - compared with Decile 5 average of 32.4% and Excellence endorsements of 19.4% - compared with Decile 5 average of 14.5%.

LEVEL 2 - The pass rate at Level 2 was 84%, up from 78% in 2016. This was the result of successfully identifying and targeting students who narrowly missed Level 1 the previous year and working closely with them. The endorsement levels were again above national averages with Merit endorsements at 25.5% - compared with Decile 5 average of 23.7%. and Excellence endorsements at 18% - compared with Decile 5 at 12.2%.

LEVEL 3 - The Level 3 pass rate was 69.2% - slightly down from the previous year of 71.4% in 2016. Once again, the quality of the results attained by our students was reflected in the percentage of Merit and Excellence endorsements. Merit endorsements were 32.2% - compared with Decile 5 of 24.3% and Excellence endorsements of 17.1% - compared with Decile 5 average of 13.4%.

SCHOLARSHIPS

21 Scholarships were shared amongst 16 students and a wide range of subjects - Biology, Chemistry, Physics, Calculus, Statistics, English, Classical Studies, Dance, Design and Visual Communication and Media Studies.

Of the 21 individual scholarships, four were at the Outstanding level which places students in the top 0.5% of candidates. The four Outstanding Scholarships were in Biology (1) and Dance (3).

As mentioned earlier, Miss Exeter once again produced the top dance scholar in NZ Dance 1st in NZ for the 4th time: 2011, 2013, 2015 and 2017. In addition, the top three places in Dance in New Zealand were all Rutherford students.



OTHER KEY MOMENTS AND HIGHLIGHTS

In 2018 we have had some wonderful events within our school. It was a pleasure to bring on stream the two fully refurbished modern Science Laboratories in room 56 and 57.

We were once again privileged to have a Holocaust Survivor visit our school, Vivianne Spiegel. This was a unique opportunity for students to hear her story of being hidden in a small French village knowing that her parents had been deported to Auschwitz. A real awareness check for many of the young people in the audience.

There was the visit of Dr Clarence Lusane and Minnijean Brown-Trickey, one of the Little Rock 9 from Arkansas, who spoke to us about Black Civil Rights. To have in person one of the Little Rock 9 and to hear her story about the injustices she suffered and overcame, her emotion towards what she had to go through and how significantly it impacted her life was a unique and rare opportunity.

Professor Clarence Lusane managed to tie in history, media, pop and culture, as well as the current international social and political climate into a talk which was equally fascinating and thought provoking.

Te Kōtuku performed with distinction and pride at the 2018 Secondary School Kapa Haka Nationals in Palmerston North; it was a privilege to be in attendance supporting the kaupapa.

The 56th Rutherford Day guest speaker was Dr Pita Sharples. Papa Pita is a man with a wonderful allegiance to Rutherford College, Te Kōtuku Kapa Haka and the wider west Auckland

area. He spoke with real passion about what this area has meant to him.

The success of our Concert Band picking up a Bronze medal at the prestigious KBB music festival was certainly one of the highlights of the year. James Marriot was then selected for the KBB honours band performing on the trombone. He was one of the select group of 20 students chosen from all across Auckland.

On the local sporting front, a number of teams had successful seasons. Both our senior boys' and girls' teams won the West Auckland Premier Touch modules. The boys went through undefeated. A great season for both teams. Mollie Tagaloa was selected for the NZ Under 20 Women's Touch team, who won silver at the World Championships.

Our Senior Girls Basketball won the Auckland Open A division. The 15th Grade Football Boys won the wider Auckland Premier title defeating Sacred Heart in the quarter finals, Auckland Grammar in the semi-final and Westlake Boys, in the final on route to the title. Ryan Verney played for the NZ Under 17 Football Team that won the Oceania Qualifiers and will head off to the FIFA Under 20 World Cup in Poland in 2019.

FACILITIES

Looking ahead to the 2018 Christmas break, the first phase of the process for moving the Administration block to the entrance to the school will start with the demolition of the old Library. The next step is to gather the voice of the community as part of an extensive consultation process.

The plan is for the current administration area to be re-roofed and the staffroom relocated to this area, while the current staffroom is to be refurbished and become the drama suite.

The batter (tiered seating) in front of the Social Sciences block closest to the pool will be covered hopefully for the start of the school year in 2019.

IN CLOSING

What does striving for personal excellence and developing the habits of mind for achieving to our maximum look and sound like at Rutherford? At Rutherford and in life you never compare yourself to the best that others can be, only to the best that you can be.

To those of who have worn the Kōtuku on your chest on a daily basis but who now move on, my best wishes. You have much to be proud of and as a school, we thank you, I know you will take with you great memories; you have left us with many.

The friendships that you make will often prove to be lifelong ones and cannot be overstated. It is those experiences that you talk about when you catch up with each other in the years ahead.

So in full Rutherford speak; many times you have, without realising it, flown in the V formation, had many people packing the various parachutes required, you will have sharpened your axe and have been developing your fist and definitely learning the value of little acts of human kindness. In all things remember what's important now, and most importantly, stay true to yourself and what you believe in.

2018 Prefects



Back Row (L-R): Reuben He, Travis Johnston, Seth Schwalger, Mohammed Ibrahim, Arihia Komene, Laura Robertson, Pablo Villasenor, Kirsten Clark, Keanu Hansen, Levi Fifita, Daniel Quach, Lucas Sinclair, Jessie Bridges, Oliver Bonner-Hutton
Front Row(L-R): Grace Muller, Danielle Huggins, Tiana Maihi, Glenna Chin, Chloe Spraggs, Jess Freeth, Jane Lee, Anna Choi, Hayley Whittaker, Ms Farrar (Associate Principal)



Well, 2018 has been an absolute rollercoaster of a ride for Rutherford's Prefects!

Reuben He – Head Boy

We ended the summer holidays with a team BBQ to hype ourselves up for the busy year ahead and during this BBQ, we seized the initiative by making a plan for the upcoming events in Term One. This ensured that the Prefects were more prepared than ever by the time Valentine's Day rolled around the corner.

Valentine's Day is a time to spread the love and what better way to experience this than receiving a rose with a personalised letter delivered by our team of Cupids?! This love-filled day proved to be a huge success for the Prefects, judging by the big smile on our students faces as they walked home with roses in hand.

Following Valentine's Day, our Prefects began preparing for the Year 9 barbecue where we greeted parents and students as they arrived at school to talk with tutor teachers and discuss the exciting journey ahead for Rutherford's newest students.

Fast forward to Term Two and it was time for the big occasion of 2018 - the School Ball. As expected, the Ball was a night full of laughing, partying and some super dancing from our students and staff! It was a night to remember and a huge thank you goes out to the Ball Committee and Prefects who made this fantastic event possible.

As Term Two drew to a close, the Prefects had one last surprise up our sleeves to finish the term on a positive note. It was time for the annual International Languages Week at school. This is a special week where Rutherford celebrates our cultural diversity and the Prefects rose to the occasion with a special dance to display our wide variety of cultures. This dance fully demonstrated the

incredible commitment of the prefects as weeks of practising led up to our amazing performance.

Term Three would prove to be our busiest term yet, as the first week back was concluded by Open Evening. During this evening, the prefects were on our best behaviour as we greeted parents and families of prospective 2019 Rutherford students. We concluded Open Evening with a performance, singing "The Rutherford Way" to show our unity as a big family. This performance once again showed the incredible dedication of our Prefects. Although we were nervous about the level of our singing abilities, we were not afraid to throw ourselves out there and show the parents that at Rutherford, we push ourselves outside our comfort zones and bring joy to others.

The main highlight of Term Three was undoubtedly Rutherford Week. This was the most important week on our Prefect calendar and as expected, the busy schedule really put our leadership skills to the test. In a frantic week with four events in five days, the Prefects thrived under pressure. The week started off positively as we gave out pieces of the famous 'Rutherford Cake' to drooling students at lunch time, while on Tuesday (the next day), our

prefects competed in a hard fought multisports competition against the Sports Committee. On Wednesday, several members of the Prefect Committee were auctioned off as part of the event 'Labour Lads and Ladies' to fundraise for the Cancer Society and in total, we managed to raise close to \$500! The big day was on Friday. Sir Pita Sharples came in to talk at the annual Rutherford Day Ceremony and the Prefects showed our appreciation by performing Kōtuku E, Mei Huihui and the school haka together with Te Kōtuku. We gave our all during the performances and demonstrated superb Rutherford pride.

Overall, it's fair to say that 2018 has been an incredible year and it has been so memorable because of the amazing people on this Prefect team. With our cringy jokes, endless laughs and fantastic leadership skills, we have tackled all of the obstacles head on and brought great joy to Rutherford. We will remember all of the amazing personalities in this special group of people and are especially thankful to have been part of such a memorable journey. A huge thank you also goes to Mr Moore, Mrs Farrar, Senior Management and the teachers for their support during this rollercoaster year; we could not have done it without you!



"Talent wins games, but teamwork and intelligence win championships"
- Michael Jordan



2018 TOP SCHOLARS



Community of Learning Kōkiri Tahī Kahui Ako

Rutherford College is committed to its role in the Te Atatu Community of Learning: the Kōkiri Tahī Kahui Ako. 2018 has seen us develop even stronger relationships with our local primary and intermediate schools, putting us in an excellent position to develop tuakana teina relationships across students in our community.

In Term Three we organised challenge days with our community intermediates, Rangeview and Te Atatu. On our challenge days we brought back Year 13 Prefects and Year 9 students who had attended each intermediate and teamed up with their Year 8s to complete problem solving activities. Our students loved the chance to return to their old schools and for the Year 8s it was part of the first step towards moving into college. We understand that transitioning to a new sector of education is a challenging time for young people, but our collaboration

with our local intermediate schools makes it possible for us to demystify college and create a sense of belonging well before our new students walk through our doors.

As well as our work between schools, we also work within our college to inquire into how we can improve the experience of students in our school.

This year, we created focus groups of Year 9 students who were interviewed by members of our Within School Teaching Community of Learning team. We then pulled together focus group students' thoughts about what's important to them in education. This inquiry has led us to explore structural and informational improvements that we can make within our school.

Next year, we are looking forward to expanding our inquiry and our connections with other schools in our community.

By Saffron Conde

Dux Artium Tiana Maihi

- Perfect, Kapa Haka
- Student Council
- NZQA design for Māori
- Designed Koha for Rutherford Day
- NZQA Ringa Toi Student Art Exhibition
- Kapa Haka Tutor for Freyburg Primary

Whakamihi ki a Tiana Maihi.
He whakamihi tēnei ki a Tiana Maihi mō tana mahi.

This is a big congratulations to Tiana Maihi, Year 13, her parents Charlene and Taniora and their wider whānau, as in 2018 Tiana signed a contract with the Ministry of Education giving them the rights to a piece of her mahi that she has produced in Level 2 Mahi-a-Toi in 2017.

Her mahi was noticed i tērā Whiringa-ā-Rangi (last November) when it was in the 2017 Ringa Toi Exhibition which is the National Taura Toi Māori Showcase in Te Whanga-nui-a-Tara (Wellington). The Ministry of Education approached Tiana this year and the toi (art) will now be the branding for Ministry of Education brochures, pamphlets and the like. This is a massive achievement.

Since then the Ministry of Education have commissioned her for four more pieces and as this is being written she is hard at work producing and refining these pieces.

Mahi pai tēnei e Tiana!





Proxime Accessit Daniel Quach

Daniel passed Level 1 and 2 with Excellence in 2016. He followed this up with Level 3 Excellence and University Entrance in 2017. Daniel will be aiming to gain seven NCEA Scholarships in 2018. He has gained an impressive 101 Level 3 Excellence credits. He also passed accelerated Mathematics at Auckland University, gaining an A grade.

Daniel has served the school admirably as a Prefect for the past year. He has proved himself time and time again to be an outstanding role model and servant to the school and the community. Daniel has proved himself to be an exceptional leader and role model in the school, often giving up his time to work with younger students and at school events. He has spent a great deal of time in the community, playing a part in events across the year, often putting in long hours to help others.

Daniel gained the University of Otago Academic Excellence Scholarship and the University of Auckland Top Achiever Award.



Dux Litterarum Reuben He

Reuben has proved himself time and time again to be an outstanding academic. He scored Level 1 with Excellence in 2016, following that with Levels 2 and 3 with Excellence in 2017. He gained his University Entrance a year early.

In Year 12 he passed NCEA Scholarship in Statistics, Calculus and Biology. In 2018 he will be sitting six further scholarship assessments. He has continued to excel in 2018, gaining a further 109 Excellence credits. In fact, 337 of his 341 NCEA credits are at Excellence Level. He also sat accelerated maths papers at Auckland University, passing with an A+ in the process.

Reuben was also our Head Boy for 2018. In this role he excelled, giving up his time in service of the school and the community. He has been an outstanding role model and was often to be found working with students across the school.

Highlights for Reuben were leading the prefects and Te Kōtuku in the school Haka, marching in the Remembrance Day parade and seeking to leave a lasting legacy on the school.

Reuben also gained a High Achievers scholarship to both Otago and Auckland Universities.

Dux Ludorum Mollie Tagaloa

Mollie reached the highest level in her chosen sport competing at the Touch Youth World Cup in Kuala Lumpur in August taking home the silver medal.

In the lead up to selection for the World Cup Squad, Mollie represented Auckland U18 Mixed Touch Team finishing in first place. Mollie was also a member of the Māori Touch U17 girls' team who competed at the Māori Touch Nationals. Due to her level of skill Mollie was named in the squad to travel to Kuala Lumpur to compete at the Touch Youth World Cup. Mollie also competed for Rutherford College in Basketball, Touch, League Tag and AFL.





SENIOR PRIZEGIVING

Special Awards & Scholarships

DUX LUDORUM

Graham Cowley Award for Dux Ludorum **Mollie Tagaloa**

DUX ARTIUM

Cowley Award for Dux Artium **Tiana Maihi**

THE LITSA SHAW MEMORIAL AWARD FOR CONTRIBUTION TO SCHOOL PRODUCTIONS

Ex pupil tragically killed, love of performing arts and was involved in school productions.

Annabelle London

SENIOR ORATORY AWARDS

Year 11 - Donated by Mrs B Reid

Ana Lafaitele

Year 12 - Donated by Mrs V Stuart

Aaliyah Brown-Young

Year 13 - Donated by Ms J Heath

Tiana Maihi

RUTHERFORD FAMILY TROPHY OF EXCELLENCE IN ORIGINAL SCIENTIFIC RESEARCH

Donated by the Carter family who were members of the extended Lord Rutherford family.

Caitlin Bailey

RUTHERFORD COLLEGE VALUES AWARDS

In recognition of students who have demonstrated the school values in all aspects of their performance this year.

Year 11 - **Lara Craigie**

Year 12 - **Fiona Blaser**

Year 13 - **Pablo Villasenor**



NZ SCHOOL OF TOURISM SCHOLARSHIP

The Scholarship pays \$500 toward tuition fees at the NZ School of Tourism to complete Level 5.

Malia Manuele

CLIFF EDMEADES COMMEMORATIVE SCHOLARSHIP

This scholarship of \$500 recognises academic excellence and commitment to the Rutherford Values.

Madeline Ion-Robinson

Trust Awards

The Trust awarded \$3000 to enable the school to provide scholarships of \$500 to support six students in their first year of tertiary study. This year's recipients are:

Oliver Bonner-Hutton

Jessica Bridges

Glenna Chin

Anna Choi

Tiana Maihi

Pablo Villasenor

TE ATATU RSA AWARD

To allow a student to study at university by providing \$1,000.

Jane LEE

AUT Scholarships

AUT SCHOOL LEAVER SCHOLARSHIP - BACHELOR OF SCIENCE

The School of Science at AUT offers scholarships to support study for a Bachelor of Science at AUT. The Scholarship pays \$6,500 toward accommodation or an allowance for one year to support full-time study at AUT. This year's recipient is:

Hayley Whittaker

AUT SCHOOL LEAVER SCHOLARSHIP - KIWA

This Scholarship is awarded to a Maori or Pacific student whom the University has recognised and rewarded based on their academic achievement, cultural participation, all-round ability and leadership potential. The Scholarship pays \$6,500 toward accommodation or an allowance for one year to support full-time study at AUT. This year's recipient is: **Seth Schwalger**

University Of Otago Awards

THE OTAGO UNIVERSITY VICE-CHANCELLOR'S SCHOLARSHIP

This scholarship of \$5000 is in recognition of academic ability and potential to succeed at University.

Kathryn Merrick

THE OTAGO UNIVERSITY LEADERS OF TOMORROW ENTRANCE SCHOLARSHIP

This scholarship valued at \$6000 is in recognition of proven academic ability and outstanding leadership qualities.

Danielle Huggins

THE OTAGO UNIVERSITY ACADEMIC EXCELLENCE ENTRANCE SCHOLARSHIP

This scholarship valued at \$34,000 is in recognition of exceptional academic ability and proven leadership capabilities.

Reuben He

Daniel Quach





University Of Auckland Awards

THE UNIVERSITY OF AUCKLAND TOP ACHIEVER SCHOLARSHIP

These scholarships, valued at \$20,000, are the most prestigious of the University of Auckland's awards they are awarded to students who have demonstrated exceptional levels of academic excellence, all-round ability and leadership. The University received over 1,900 applications and just 250 scholarships have been awarded throughout New Zealand. For the second year in a row Rutherford has two recipients:

Reuben He
Daniel Quach



Rutherford College Top Scholars

YEAR 11

Te Atatu Bible Chapel Award (\$200)

Benjamin Quach

- First Equal in English
- First in Year 13 Chinese
- Merit in Economics
- Merit in History
- Merit in Physical Science
- Merit in Year 12 Mathematics

YEAR 12

Critical Mass Award (\$200)

Maggie Li

- First Equal in English
- First in Chemistry
- First in Economics
- First in Music
- Merit in Mathematics
- Merit in Physics

PROXIME ACCESSIT

2018 Eric Clark Award for Proxime Accessit

Daniel Quach

- Merit in Calculus
- Merit in Chemistry
- Merit in Physical Education
- Merit in Physics
- 2016 achieved NCEA Levels 1 and 2 endorsed with Excellence
- 2017 achieved NCEA Level 3 endorsed with Excellence and University Entrance
- 2018 has continued to add more Level 3 Excellence credits - now has 101 Level 3 Excellence credits
- 2018 has also achieved an A grade for Accelerated Maths at Auckland University and later this year will be attempting to pass 7 Scholarship exams
- He has been awarded both the Otago University Academic Excellence Scholarship the Auckland University Top Achiever Scholarship



DUX LITTERARUM

2018 Eric Clark Award for Dux Litterarum

Reuben He

The Louise Colvine Award for:

- First Equal in English
- First Equal in Physics
- First in Chemistry
- First in Economics
- The Terry Laver Cup for - Excellence in Science
- 2016 achieved NCEA Level 1 endorsed with Excellence
- 2017 achieved NCEA Levels 2 and 3 endorsed with Excellence and University Entrance and Scholarship in Statistics, Scholarship in Calculus and Outstanding Scholarship in Biology
- 2018 has continued to add more Level 3 Excellence credits - now has 109 Excellence credits. It is worth noting here that 337 of his total 341 NCEA credits have been Excellence - just 4 at Merit!
- 2018 has also achieved an A+grade for Accelerated Maths at Auckland University, later this year he will be attempting to pass another six Scholarship exams
- He has been awarded both the Otago University Academic Excellence Scholarship and the Auckland University Top Achiever Scholarship



Scholars' Assembly

Of the 2017 Year 11 class, 56.4% of students got at least 50 credits at merit or excellence, thereby endorsing at Level 1. Although not as good as the record set by the 2016 cohort it does indicate once again that a high proportion of students are striving for personal excellence. Endorsement at Level 1 is ahead of the national average for both merit and excellence endorsements.

At Level 2, 43.3% of students endorsed with either merit or excellence. Once again this compares

positively to the national averages where we are ahead at both merit and excellence endorsement levels.

At Level 3, 49.3% endorsed with either merit or excellence. This result was a best for a Rutherford cohort, and was also above at both merit and excellence when comparisons are made against national statistics.

Congratulations to all our award winners.

Kōtuku ki te rangi; we are Rutherford strong within a wonderful Te Atātu Community.

TOP MAŌRI SCHOLARS

Year 11: Mollie Tagaloa

Merit in Geography, Te Reo Māori and Science; Excellence in English and Physical Education. NCEA Level 1 endorsed with Excellence, 72 Excellence credits.

Year 12: Seth Schwalger

Merit in English and Excellence in PE. NCEA Level 2 endorsed with Excellence, 64 Excellence credits.

Year 13: Rawiri Hohepa

Excellence in Calculus, Chemistry, English, Physics; Merit in Computer Programming. Scholarships in Calculus and Physics.

TOP PASIFIKA SCHOLARS

Year 11: India Smith

Excellence in Mathematics; Merit in Dance, Geography and Physical Science, NCEA Level 1 endorsed with Excellence, 56 Excellence credits.

Year 12: Ashna Prasad

Excellence in Biology, Chemistry, Mathematics, Physical Education and Physics; Merit in English. NCEA Level 2 endorsed with Excellence, 89 Excellence credits.

Year 13: Liana Sabetian

Excellence in Dance; Merit in Biology, Chemistry, Geography and Statistics. NCEA Level 3 endorsed with Excellence, 72 Excellence credits. Outstanding Scholarship and 1st in the country in Dance.

YEAR 11 TOP SCHOLARS

Rachel Jeung-McIntyre – Merit in Music and Level 2 English; Excellence in Mathematics, Physical Science and Level 2 Dance. NCEA Level 1 endorsed with Excellence, 101 Excellence credits.

Jocelyn Qian – Merit in Accounting; Excellence in English, History, Mathematics and Physical Science. NCEA Level 1 endorsed with Excellence, 102 Excellence credits.

Maggie Li – Merit in Accounting; Excellence in Mathematics, English, Japanese, Music and Physical Science. NCEA Level 1 endorsed with Excellence, 123 Excellence credits.



YEAR 12 TOP SCHOLARS

Daniel Quach – Excellence in Chemistry, English, Physics, L3 Biology, L3 Chinese, L3 Economics and L3 Statistics. NCEA Level 2 and 3 endorsed with Excellence, 118 Excellence credits.

Ashna Prasad – Excellence in Biology, Chemistry, Mathematics, Physical Education and Physics; Merit in English. NCEA Level 2 endorsed with Excellence, 89 Excellence credits.

Reuben He – Excellence in Chemistry, English, Physics, L3 Biology, L3 Calculus and L3 Statistics. Every grade Internal and External were excellence grades. NCEA Level 2 and 3 endorsed with excellence, 140 excellence credits. Scholarship in Calculus, Statistics and Biology (Outstanding).

YEAR 13 TOP SCHOLARS

Connor Tunnickliffe
Merit in Biology and Calculus; Excellence in Chemistry, Physics and Statistics. Scholarship in Statistics.

Rawiri Hohepa
Excellence in Calculus, Chemistry, English, Physics; Merit in Computer Programming. Scholarships in Calculus and Physics.

Sang Hyun Kim
Merit in Drama; Excellence in Chemistry, Classical Studies, Physics and Statistics. Scholarships in Calculus and Chemistry.

SPECIAL AWARDS

Filifiliga Lelei Award Awards for male and female Pasifika students who have strived 100% to be the best that they can be academically. It is not necessarily related to the final outcome but they have persevered and strived for personal excellence. This award is kindly donated by the Palamo family. **Shantel Leota** and **Samuel Price**

Kia Manawanui Trophy and Award Award for a Māori student who has through perseverance, determination, persistence and dedication strived for and achieved personal excellence. This award is kindly donated by Leigh Grace. **Caleb Smith**



Samual Price, Mr Talamaivao and Shantel Leota

SUBJECT SCHOLARSHIPS

Once again, Rutherford celebrates the best scholarship results in West Auckland, with 17 students gaining 20 subject scholarships.

STUDENT'S NAME ...	SUBJECT	TEACHER
Leo Ballantyne	Media Studies	Mrs Betanzo
Katie Gordon.....	Classical Studies.....	Mr Carroll-Maher
Tanvi Kemkar	Biology	Mrs Goulding /Ms Butler-Shaw
Rex Kennedy	English.....	Ms Conde
Kelly Luo	Design & Visual Comm	Mr Thompson
Morgan O'Loughlin....	Statistics.....	Mr Stanton
Dimitar Pljackov	Design & Visual Comm	Mr Thompson
Connor Tunnickliffe....	Physics	Mr Thomas
Favour Ukah.....	Dance	Miss Exeter
Hannah Marriott.....	Dance (2nd equal in NZ)	Miss Exeter
Tyla Sutherland	Dance (2nd equal in NZ)	Miss Exeter
Liana Sabetian.....	Dance (1st in NZ).....	Miss Exeter
Rawiri Hohepa.....	Calculus.....	Mrs Lim
	Physics	Mr Thomas
Sang Hyun Kim.....	Calculus.....	Mr Brar
	Chemistry	Mr Wade
Zara Osborne	Biology	Mrs Goulding /Ms Butler-Shaw
	Statistics.....	Mr Gopal
Reuben He (Y12)	Biology (Outstanding)	Ms Butler-Shaw
	Calculus.....	Miss Liu
	Statistics.....	Miss Liu



56th Annual Rutherford Memorial Day

On Friday, 24 August we celebrated the 56th Annual Rutherford Memorial Day.

It was an absolute privilege and pleasure to have as our guest speaker Sir Pita Sharples. A man of huge mana, wisdom and a man with strong links to the west and Rutherford College.

So, why do we have a Rutherford Memorial Day? There are three reasons. Firstly, on this day we pause to remember that our school is named after one of the world's foremost scientists of not just his generation but of all time – Sir Ernest Rutherford, Nobel Prize winner.

Secondly, Rutherford Day is a day of manaakitanga when we show our appreciation to those who have helped pack our parachutes and have made a difference to our community.

It is a chance to
acknowledge and say
a genuine heartfelt
thank you to

RUTHERFORD DAY



those who help and support our vision and direction.

Thirdly, Rutherford Day is a chance to think about and celebrate who we are, where we are from and what we value as a wider school community. At Rutherford we understand that it is people that shape our lives, and it is people that provide the foundation for the doing of mighty deeds.

He taonga rongonui te aroha ki te tangata – Goodwill towards others is a precious treasure.

At Rutherford we know this thread to mean that we value little acts of human kindness and care. The happiest people have purpose and live by a strong set of values. Your values and your ethos build trust and confidence firstly with yourself and then give others a reason to trust you and have confidence in you.

At Rutherford we call this our brand image. In other words, we are authentic.

We are genuine, have a sense of humour, we enjoy life and some good natured banter, we are honest, hard-working and care about others as well as ourselves.

So remember the simple threads of happiness and success, work hard, value little acts of human kindness, build and cultivate authentic relationships. Remember that nothing that lasts or has great value grows quickly, so hurry if you must, but hurry slowly, stopping to smell the flowers on your side of the path. Live life intentionally, where you are connected with passion and purpose, head, heart and soul with people that remind you of What's Important Now?

STARS

This year marked the 10th year that Rutherford College has been lucky enough to run the STARS Peer Mentoring Programme thanks to the Graham Dingle Foundation.

STARS supports Year 9 students as they move into High School. It encourages Year 9 students to develop a sense of responsibility and connectedness to the school, their peers and the wider community. The programme provides challenging and fun experiences in a supportive environment that develops teamwork, self-confidence and resilience. Most of the 2018 mentors have been through the STARS programme as a year 9 student.

The STARS programme consists of a group of Year 12 and 13 students who mentor all of the new students to Rutherford College in Year 9. Each Year 9 class is allocated around six peer mentors who run the mentoring programme throughout the year on Thursdays and Fridays at tutor time.

The programme kicks off in the first week of school where we have an orientation day. The peer mentors show their tutor classes around the school and then we have an activity afternoon. It is always a great way to ease the Year 9 students into their first few days of school and have them there to answer any questions the students may have. The sports afternoon is full of activities to get students familiar with each other and working together as a team, something for them to then build on for the rest of the year.

This year the highlights were as always Year 9 Camp, Starsopoly and one of our Peer Mentors, Fiona Blaser

(who is also the 2019 Head Girl), being awarded a Top Peer Mentor award.

Camp was held over two weeks at Camp Adair in the Hunua Ranges. Peer mentors get to put their organisational and leadership skills into practice and bring the classes together to help them bond and be more of a team in some instances. Friendships always strengthen at this time and confidence is built in both the Year 9 students and peer mentors.

We were very lucky with the weather this year on camp. The sun was shining and everyone was able to stay dry and warm, which added to the positive atmosphere. Camp provides more opportunities for the students to grow in confidence and create new friendships and build on existing relationships. It was wonderful to watch the classes grow stronger together and work as a team.

All Year 9 classes spent time learning the school Haka and then performing the Haka as a large group. Camp Idol was a hit as always and 9SL were the overall winners for 2019 with a great effort from everyone in the class.

We once again participated in the 'Starsopoly' community challenge. This community adventure was a modified game of Monopoly. We had the largest number of local businesses ever come in from the community to be a part of this ranging from Surf Life Saving and St Johns to Kmart and Z Station. Students had a list of questions they needed to answer and were sent on a hunt around the school finding information out about subjects we offer here at school and also about the businesses and organisations in

our community and the types of job opportunities/careers that are out there.

Fiona Blaser was also awarded a top prize at the Foundations Awards this year. Fiona was awarded Outstanding Contribution from a Peer Mentor which is a national award and only four awards are given out nationally. Well done on this amazing achievement Fiona!

The STARS peer mentoring programme gives the Year 12 students the opportunity to lead a group and grow their leadership skills and help some to rise to the potential that we as teachers see in them as individuals.

Peer mentors learn many skills in their training such as SMART goals, goal setting, planning, community service, and of course leadership. It is fantastic to see the peer mentors develop from the start of the year, and progress into confident and strong leaders towards the end of the year.

Our end of year graduation saw approximately 4-5 Year 9 students from each class be awarded special certificates for their contribution to the class, conquering fears, growth in confidence, improvement and overall stand out students. The Year 9 students were then given the opportunity to present the peer mentors with their graduation certificates for the contribution to their leadership roles this year.

I would like to thank Alistair from The Graham Dingle Foundation for his support and coordination of the programme. It was his first year in this role and he did a great job. A big thank you also goes out to Tony who also works for the Foundation and provides support and extra help when needed.



Our Camp Experience

**BY DOMINIK BONKOVICH,
LINCOLN HENRY AND PIA SANTINI.
PHOTO: MS LEHNDORF**

ON THE WAY TO CAMP, our thoughts were on all the exciting events that lay ahead for Year 9s. The bus ride was great as we were excited to be with our friends and have a fun time.

When we arrived, I remember racing to get out of the bus so I could grab my heavy bags. I slushed through the saturated muddy grass, not knowing that there was a dry footpath leading to the camp. We got a warm welcome from the staff which informed us about safety and procedures. They then directed us to our first special activity.

Once we ended the rainy activities, we moved to our huge permanent cabins. When we thankfully had a chance to rest from our tiresome activities, we relaxed in our cosy

beds and interacted with each other, having a peaceful break so we could regenerate for when we went back and took part in our next amazing activity.

We started our second day with the freezing cold confidence course where our humorous teacher and the staff encouraged us to work together and finish the activity so we could jump in the warm showers.

We finished the day off with delightful dinner of butter chicken. It then followed with the performance of the fierce school haka to thank our staff. Each class then performed their spectacular Camp Idol skits where we had fair judges tally us.

The next morning, we had our last activity before we packed the bus and left. Camp was a wonderful place where you can bond with your class by working through challenging activities.

We learnt teamwork and now, we are more aware of the people within our class and have further developed our friendships. It was truly sad we had to leave, but we are holding on to the precious memories we created.



School Ball



A MYSTERY MASQUERADE - FRIDAY JUNE 1ST, EDEN PARK NORTH LOUNGE.

- King: Seth Schwalger 13JF
- Queen: Chloe Spraggs 13BR
- Prince: Isaiyah Harriman-Baker 12AL
- Princess: Emma Brown 12OF
- Best Dressed Couple: Luka Vlastic 12DO and Abby Ferrall 12OF







Mathematics

The Mathematics department has had another busy and successful year. We have had some promising progress with our Year 9 and 10 students and continued academic success in the NCEA assessments. We have also had a number of our top students gaining recognition in Scholarship Exams and Competitions.

We have had a settled department this year, with very few changes to our staffing. Mrs Lim took maternity leave in Term 2 to give birth to a lovely daughter. Her position has temporarily been filled by Mrs Stanton and Miss Lui has temporarily filled the role of

Teacher in Charge of Year 13 Calculus. Mr Stanton continues as Head of Department, Mrs Taylor as Assistant Head of Department in charge of Junior Mathematics and Mr Gopal as Teacher in Charge of Year 11 Mathematics.

The Rutherford College Mathematics department continue to be one of the



leading users of Education Perfect for Mathematics. All of our Year 9 and 10 students have had access to this software in 2018 as part of our 'Devices for Learning' programme and have used it extensively at school and at home. It has top quality teaching instructions, examples and practice questions, which allows our students to work at their own pace and achieve to their personal best. During the course of this year, our Year 9 and 10 students have clocked up over 11,900 hours of use on this software and answered over 1,340,000 questions. In addition, Education Perfect has allowed our Year 11, 12 and 13 students access to their content for external NCEA standards free of charge.

The Mathematics Department at Rutherford College continues to gain outstanding academic results in NCEA and Scholarship Exams.

First we would like to acknowledge our 2017 Mathematics Scholarship students and their

teachers on their fantastic efforts. Last year we gained a total of six Scholarships; three in Calculus and three in Statistics. Congratulations go to the following students: Reuben He (Statistics and Calculus), Rawiri Hohepa (Calculus), Sang Hyun Kim (Calculus), Morgan O'Loughlin (Statistics) and Zara Osbourne (Statistics).

This year we have a number of strong candidates and wish them all the best in these exams.

In addition to the Scholarship Exams, we have had three students doing Accelerated Mathematics papers through Auckland University and achieving outstanding results; Anna Choi (A grade), Daniel Quach (A grade) and Reuben He (A+ Grade).

We have also had a number of students gain Mathematics endorsements in their NCEA assessments.

At Level 1 (Year 11) we had an overall pass rate of 81.1% per standard, with 37 Merit endorsements and 20

Excellence endorsements, at Level 2 (Year 12) we had an overall pass rate of 71.1% per standard, with 23 Merit endorsements and 10 Excellence, and at Level 3 (Year 13) we had an overall pass rate of 78.2% per standard, with 33 Merit endorsements and 8 Excellence endorsements. To gain subject endorsement students must achieve at least 14 Mathematics credits at either Merit or Excellence for Level 1, Level 2 or Level 3.

We have also had some great results in National Mathematics competitions this year.

We had 20 students enter the Otago University Junior Mathematics Competition; with one student placing in the top 30 in the country, one in the top 100 and one in the top 200, as well as 3 students gaining Merit awards. We also had two students gaining Excellence certificates in the Canterbury University KIWI Mathematics Competition and had two students compete in the Victoria University Senior Mathematics Competition.

CONGRATULATIONS TO THE FOLLOWING STUDENTS:

YEAR 9

Ann Lowe (Top 200 in Otago University Junior Mathematics)

Marissa Ogilvie (Merit in Otago University Junior Mathematics)

YEAR 10

Oliver Gracewood (Merit in Otago University Junior Mathematics, Excellence in Canterbury University KIWI Mathematics)

Tony Schaufelberger (Top 30 in Otago University Junior Mathematics, Excellence in Canterbury University KIWI Mathematics)

Zachary Sit (Top 100 in Otago University Junior Mathematics)

YEAR 11

Benjamin Quach (Merit in Otago University Junior Mathematics)

YEAR 13

Reuben He (Victoria University Mathematics)

Stefan Zdravkovic (Victoria University Mathematics)

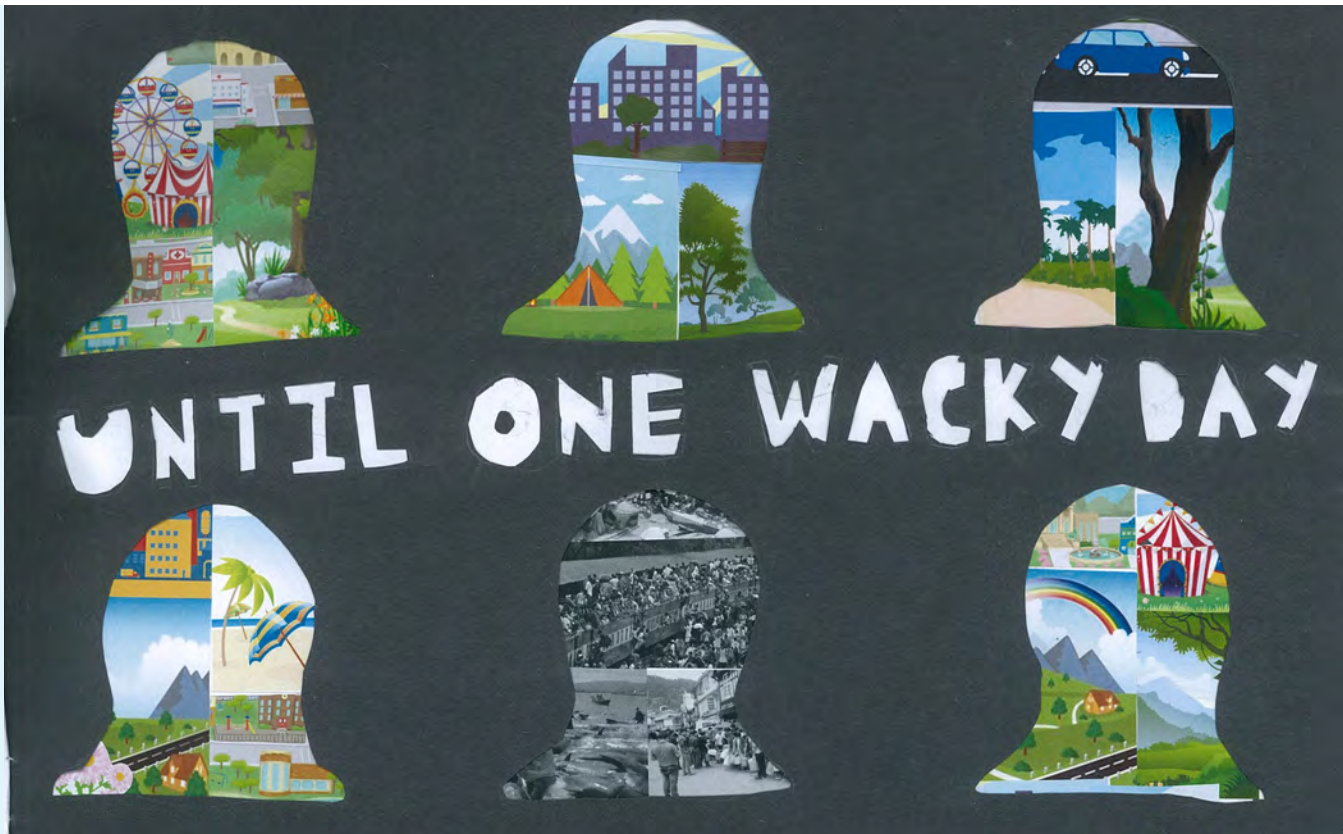
We would also like to acknowledge the colleagues in our department for ongoing student support both in and outside of the classroom, especially at after school tutorials.

Lastly, the Casio Mathex Competition was held at the ASB stadium and attended by most secondary schools in Auckland. Rutherford College had two Year 9 and two Year 10 teams competing against over thirty other schools, with teams racing to solve as many questions as they could within a 30-minute time limit. All of our teams performed well, with our best result

coming from our top Year 10 team who were leading early on, only to be edged out of placing in the top three in the latter stages of the competition. The team members were:

- Year 9 (Team 1) – **Ann Lowe, Annie Chung, Jaanvi Jamnadas** and **Kathryn Jeung-McIntyre**
- Year 9 (Team 2) – **Victor Brown, Lincoln Henry, Katie Felton** and **Ryan Stanton.**
- Year 10 (Team 1) – **Oliver Gracewood, Luke Lovrich, Eddie Schaufelberger** and **Tony Schaufelberger.**
- Year 10 (Team 2) – **Chris Adams, Deacon Iles, Amanda Lowe** and **Petar Zdravkovic**

Thank you to the support of Mrs Taylor for organising these teams and Ms Liu for marking.



English

By Simon Ferguson

The English Department welcomed back Rebecca Ball in 2018 – a colleague of immense personal and professional mana - after a year's leave. Given the demands of her University studies, Ms Ball gave up her Assistant Head of Department duties, with the role taken on by Ms Betanzo.

2018 has again been marked by some outstanding student work – but there have also been problems with deadlines and students completing the many stages of assessments. While the department believes passionately in students being assessed when they are ready, we will have to abandon our flexible deadlines policy because it has been affected by the breakdown of the teaching and learning process with a large number of students.

As I wrote in the 2016 and 2017 Yearbook English entries, examples of the astonishing visual texts that students produce seem to simply get better year on year: the examples included here speak for themselves. Similarly, the quality of comics being produced in Year 9 is superb, setting an

amazing benchmark for what they will produce in Years 11 and 12.

There is an emerging pattern of the department assessing the work of particular Year 9 against Level One standards because they are, simply put, operating at that level: Rhea Ramendra, for example, has completed a number of Level One Achievement Standards in Year 9. It should be stressed that this is not about 'doing NCEA early'; it is about assessing students at the level appropriate to what they are producing.

As part of their Close Viewing preparation, Year 13 students from Ms Ball, Ms Betanzo and Ms Conde's classes were lucky enough to workshop with Paula Jones, one of the directors of 'Waru'. Ms Halliday, as she did in 2017, organised for Poetry in Action to present to a range of students and

classes on the 5th of July. Author Rachel Crow presented to, and workshopped with, a number of fortunate students.

Perhaps the most remarkable external benefit to the department was the Auckland Writers Festival provision of 100 free tickets for students to attend the schools' day at the Aotea Centre. It is a reminder of what a fantastic opportunity the Festival affords – thank you to Ms Westaway and Ms Fraser for organising and running this trip.

Thank you also to staff and (most) students for their hard work and commitment in 2018. All the best for a safe and happy summer and good luck to our Year 13 students in particular as they move to study, work and life beyond school.



Media Studies

IT'S BEEN AN INTERESTING YEAR for our tiny Media Studies Department. Mr Webb has taken on the Year 11 class and has brought his own interests and expertise to the table, with a new perspective and some seriously cool new ideas, including the production of film trailers and studying the #MeToo movement for the current issue external unit.

The Year 13 class became a 12/13 split class, necessitating a shift toward a student-driven curriculum where students are in charge of their own learning pathways. While this has caused frustration at times, ultimately it should mean that all students get the opportunities they want and deserve.

We've welcomed two student teachers, Ms Munro and Ms Luxton, and thank them for their fresh approaches to the design and readings units - I will definitely be stealing some ideas for next year.

There's lots to look forward to next year: working cross-curricularly with the Health Department, our bi-annual trip to Censor for a Day, and maybe even a school YouTube channel - watch this space.

Best of luck to you all in exams, especially to our three scholarship candidates - I am so blown away by the hard work you have put in over the last three terms.

To my Year 13s, especially those of the 'old guard' who've been with me since Year 11 - good luck in all you do. It's been a great three years - ngā mihi nui!

Arohanui - Katie Betanzo



Social Sciences



The Social Science Faculty in 2017 has consolidated growth in both staff and student numbers participating in Geography, History, Classics, Travel and Tourism, Commerce and junior Social Studies. Our two new staff members from 2016, Ms McKenzie and Mr Carroll-Maher, continued to grow in their roles, becoming confident and integral members of the faculty.

2018 HAS BEEN ANOTHER busy year in the Social Science Faculty. The broad range of subjects under the Social Sciences umbrella means there is always something happening, whether it be market day in Business Studies, fieldtrips in Geography or amazing guest speakers in History.



Once again, the year started with some outstanding NCEA results for our senior students. The calibre of results accurately reflects the hard work and dedication of the teachers in this faculty. This can also be seen in the continued progress of our junior students, whose assessment results show a genuine engagement and understanding of the topics taught.

It is with great regret that we must farewell one of our young guns at the end of the year. Rory is leaving Rutherford to begin his overseas experience. Rory has been an amazing teacher who shows great empathy and enthusiasm in the classroom and in the

various extra-curricular activities that he has facilitated. He has been a great addition to the Social Sciences team and he will be greatly missed. We wish him all the best on his adventures.

Overall, the growth and success of the Social Science Faculty is an indication of the relevance of our varied subjects in today's world. Our students need to develop the skills required to be active members of an increasingly complex and ever changing society. This faculty is lucky to have such a dedicated, hardworking and experienced team of staff who together ensure our students reach their full potential.





Junior Social Studies

JUNIOR SOCIAL STUDIES is designed to engage and challenge students in order to increase their understanding of the world around them. Our role as educators is to give students the tools to use this knowledge throughout their education at Rutherford College and beyond.

Students partake in a range of authentic learning activities ranging from cross-curricular activities such as field trips to downtown Auckland to being enlightened by guest speakers such as Vivienne Spiegel, a holocaust survivor and Minnijean Brown-Trickey, one of the Little Rock 9.

Inside the classroom students use a variety of learning activities including debate, mock forums, group collaboration and innovative e-learning to enable insightful understanding of a range of contemporary topics.

Our department exhibit at the school open evening was a huge success. Not only did it allow us to communicate our vision to the local community, but it enabled students to tell their stories about why Social Studies is important and interesting to them.

Geography Department

IT HAS BEEN ANOTHER ACTION packed year in the Geography Department. For the second year, Level 2 Geography students travelled to Aoraki-Mt Cook and this time were lucky enough to experience an unseasonable snow storm. Glaciers, jet-boating, telescope star gazing and snow fights made for an outstanding field trip. After a three-year break, the Level 3 class returned to Rotorua, allowing them to see first-hand the development of tourism in this area. Alongside presentations from industry experts, students enjoyed rafting, lugging, OGO-ing and a night time treetop walk. Level 1 students battled it out with other schools in the Maatangi Whenua Geography Quiz and our scholarship students experienced university life in a series of workshops.

Field trips remain an integral part of Geography, they are vital in allowing our students to

understand what they are learning is not just in books or the classroom but is part of the real world. Fieldtrips provide a rich and varied learning environment with undeniable benefits from both the learning and teaching perspective. Aside from the 'big trips', students also travelled to Muriwai Beach, Arataki Centre, Auckland's volcanic cones and the central city.

However, Geography is not just about having fun! Students develop a range of skills that allow them to progress along the pathways to work or further education, while also learning about the complex relationships between people and the world they live in. The department's very good NCEA results are testament to the deep understanding of Geography that our students acquire. From a teaching point of view, the department continues to develop the topics taught to ensure they are authentic, contemporary and thought provoking.

Travel and Tourism

EACH YEAR, BOTH TRAVEL CLASSES undertake trips in order to experience what it's like to be a tourist in our beautiful "City of Sails". The Year 12 class visited tourist attractions such as the Sky City Observation Tower and historic Bastion Point and also enjoyed an adrenaline pumping ride on an 'Adventure Jet' boat, doing 360° spins in the Waitemata Harbour, getting a bit of a drenching in the process.

Year 13 students had the chance to find out about courses and careers when they visited the NZ School of Tourism's City campus. Attractions and activities included admiring the views from Mt Victoria then catching the ferry to Devonport into the City then a visit to Base Backpackers to check out the rooms and facilities at a budget-style accommodation. A trip to do, the Auckland Bridge Climb in Term Four, is also on the cards.

Venturing out of Auckland in Term Three, the Year 13s joined up with the 13Geo class and headed down to Rotorua. Here, they got to experience adventure tourism activities such as white water rafting, riding the Zorb and lugging down the slopes of Mt Ngongotaha. Visits to attractions included the Agrodome and Te Puia. We also got to hear some amazing speakers talk about the tourism industry and the impacts this has on a region.

Both classes have also had industry speakers pop in to class and share their experiences of working in Tourism, New Zealand's largest export industry.

History Department

GERMAN CHANCELLOR Angela Merkel was recently quoted as saying "When the generation that survived the war is no longer with us, only then will we discover if we have learned from history."

In an age when facts are hotly debated and truth is easily obscured, the study of History is being constantly questioned. Students and parents challenge whether it will lead to a valuable career, or what value it has at all. Historians use analytical skills to weigh the value and relevance of information, compare current events to past and draw conclusions about what the future may hold. History allows a country to hold onto knowledge for longer than the length of human memory, and to slowly clarify that knowledge so that bias and perspective can be removed.

Year 13 students have achieved a startling 45% Excellence in internal assessments this year, using skills like research, evaluation of reliability, and cohesive writing. They visited NZ Wars battle sites in the Waikato area during Term Two, and are about to complete a study of the Treaty of Waitangi.

While students around the country demand that they be educated about New Zealand's history, Rutherford students have enjoyed this subject for many years. Their interest and success gives me confidence that the future is bright.





Classical Studies

IT HAS BEEN A BUSY YEAR for the Classical Studies department. The year began with great news, 2017 student Katie Gordon gained a Scholarship in Classical Studies, a phenomenal achievement.

On Tuesday 5th June, our two Year 13 classes attended the University of Auckland Open Day for the Classical Studies Department. Students were able to enjoy a little of campus life and to participate in a number of lectures. The trip gave students a taster of what it would be like to sit a course in Classical Studies.

Students from Year 13 also attended the Pop-Up Globe performance of Julius Caesar. The performance by the all-female main cast was exceptional. A few brave souls stood in front of the stage, known as 'groundlings'; they were rewarded with a soaking of gallons of stage blood as part of the performance. The play helped to give the students a better understanding of the events leading up to and including Julius Caesar's assassination, the power

vacuum and civil war in the aftermath and the rise of Octavian.

Our Open Evening once again saw the department lay on a magnificent show for prospective students. Visitors

were able to try on a full Lorica Segmentata (suit of armour) and use a Scutum (shield) Pilum (spear) and wear a Galea (helmet). Prospective students greatly enjoyed the experience.

We also farewell Mr Rory Carroll-Maher from the department. Rory is heading overseas with his partner to work and travel across the globe. Rory has been part of the department for three years and he has made a significant impact in his time here. He has been a massively popular and well respected teacher and has made a number of contributions to the school. His most significant sporting impact has been with the schools 13A and 14A football sides and in creating a successful ultimate frisbee side which won the Waikato Schools Frisbee Championships.

Rory has been an integral part of the department, a trusted and respected colleague and friend. I will greatly miss him and I wish him well on his travels. Valetudinem cures, vale. Te valere tua causa primum volo, tuum mea. Vale.





Science Department

General Science is available in Year 12 and 13. Both courses have a majority of internally assessed standards. There were some changes to the course in Year 12 this year, introducing a standard on researching adaptations of organisms to life around deep sea hydro-thermal vents.

Both Year 12 and 13 Science had day trips to support learning in Geology standards. Year 12 students ventured out to the often overlooked Mangere Mountain, one of the largest and best preserved volcanic sites in Auckland. This was followed by a stop at the explosion crater we know as Lake Pupuke. It turns out Anthony Mackie can play the Pump House Cafe's piano very well.

Next, we walked from Milford to Takapuna beach, along the remains of lava that flowed through an ancient kauri forest leaving basalt moulds as evidence. Students finished up analysing the sedimentary cliffs at the southern end of Takapuna Beach. Show any Year 12 Science student a rock, and they can tell you its story. Year 13 students visited Maori Bay and Piha Beach to view evidence for the age of the ancient Waitakere Volcano we call the Waitakere Ranges. The Year 13 Science course leads on from the previous year with a larger number of Geology standards.



Chemistry

THE CHEMISTRY DEPARTMENT has had another productive and successful year in 2018. We were fortunate enough to get two brand new, fully equipped chemistry laboratories at the start of Term Two.

This project has included the complete stripping and refurbishing of the interiors of both labs, and new comfortable desks and chairs have been put in. This project has resulted in the creation of new, modern and safe learning environments to encourage the learning and work ethic of students from Years 9 to 13. It has also enabled us to integrate more practical activities into the chemistry learning programmes and have more access to specialised equipment such as that used in Organic synthesis.

The Chemistry department have also been lucky enough to receive a new portable fume cupboard for the classes to use. These new spaces have excited students towards using them and the equipment. To test out the new fume cupboard, a gummy bear was dropped into molten potassium chlorate with some spectacular results.

Students have been encouraged to become more aware of environmental impacts within a Chemistry context this year – our Year 11 students studied the impact of carbon dioxide on the environment while our Year 12 and 13 students looked at plastics and polymers and the dangers associated with these. The Year 13s also were asked to compare the use of hydrogen fuel-cells to battery electric vehicles and were asked to make a judgement on which fuel type would have less impact on the environment.

This year we have welcomed Mr Charles Cartwright into the department and he has already made an impact with his enthusiastic and knowledgeable approach towards his teaching. We are looking forward to 2019 and the new challenges and opportunities it will bring.



Biology

BIOLOGY HAS COMPLETED another successful year with three Year 12 and two Year 13 classes. Highlights include our trips to see Biology in action, with our Indonesian ecology and conservation expedition to Sulawesi in July, Rocky Shore at Piha for Year 12 and Auckland Zoo for Year 13. The Indonesia trip has a separate report included in this Yearbook, but was a fantastic opportunity to do real science and learn in a beautiful, remote region. We hope to repeat this expedition in 2020, with our aim on Madagascar this time.

Our North Piha rocky shore study was a bit of a challenge this year,

with large waves causing students to regularly scatter quickly up the rocks or get very wet!

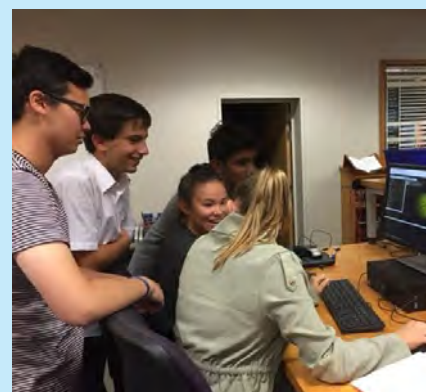
Our Auckland Zoo trip was to get firsthand knowledge of our special NZ endemic species to understand why they have ended up with features that once worked so well, but were major disadvantages once humans and their introduced species arrived in poor Aotearoa. Our students enjoyed the rest of the day wandering about looking at how various species behave and thrive in whatever environmental niche they came from. An entertaining challenge involved some students working out how our ancestors would have managed to break into food sources such as macadamia nuts and rock oysters without suffering injury or destroying the food!

Mrs Annette Goulding has continued to regularly bring in her animal menagerie regularly for teaching our junior students about animal adaptations. The opportunity to see, study and handle water dragons, bearded dragons, leopard geckos and snake-necked turtles in class is always a much-appreciated highlight for classes.

Physics

THE 2018 COHORT OF PHYSICS students have shown a lot of enthusiasm for the subject while building their understanding of how things function in the world around them. We have seen some highly motivated students taking part in a range of activities and competitions throughout the year. Five students attended the Physics Masterclass Day at Auckland University and connected with Physics students from all around the world. Also, we had a group of four students that participated in the New Zealand Next Top Engineer Competition and we eagerly await the results.

We were also very fortunate to have a connection through the school with the Rocket Lab organisation, New Zealand's first company to send



things into space. Their chief launch engineer came in to school and gave a presentation to our Physics students about what the company has achieved and the Physics behind rockets and space exploration. It was highly motivating to our students to see where their Physics knowledge could potentially take them.



Physics Masterclass

By Tilak Patel

In March, five Physics students including myself, went to the annual 2018 Physics Masterclass at Auckland University.

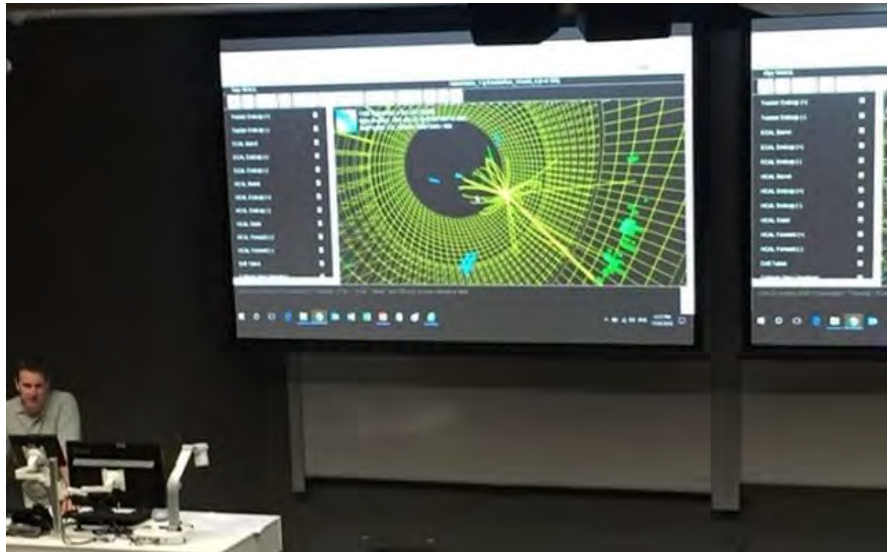
Our day started with a lesson from Prof. Mark Kruse, of Duke University, who introduced us to the basis of particle physics and the purpose of and science behind the Large Hadron Collider (LHC), the world's most powerful particle accelerator, located just outside Geneva, Switzerland.

This was followed by another lesson by UoA professor, Dr. David Krofcheck, who is responsible for bringing New Zealand's scientists into the LHC experiment. Our third speaker was Mr Tristan O'Hanlon, a first year Physics teacher at UoA, who taught us about particle collisions, how to differentiate between them, and the results of these collisions. Mr O'Hanlon also taught us how to use the computer programme which would allow us to analyse these particle collisions.

This led to the hands-on part of the day studying particle physics. Our team split off into groups and we each analysed real data from the LHC detectors, to identify between and deduce the masses of W and Z Bosons, or J/Psi Mesons, and find the total energy and momenta observed in each of the approximately 100 particle collisions we analysed.

The day concluded with what was meant to be an international video conference, but as that encountered technical difficulties, turned into a summary and Q&A of our learning from that day.

This masterclass informed us on what particle physics really is about and undoubtedly piqued a lot of our interest. It has definitely introduced another possible career choice for us and several others that were at the event.



NEW ZEALAND'S NEXT TOP ENGINEER COMPETITION

By: Maximillian Pearce

EARLIER THIS YEAR four of us attempted the annual New Zealand Engineering Science Competition (NZESC) organised by the University of Auckland. Each year, teams are given a very open-ended question that requires out of the box logical thinking, problem solving and mathematical reasoning. Last year's question asked competitors to find out how many rockets would be required to start a lunar colony. This year our question was:

"How many tonnes of CO2 emissions could be avoided in your lifetime if NZ transitions to a completely electric vehicle fleet?"

More than 200 groups from all around New Zealand, including our team, worked to find the most probable answer. The research involved was very specific, revolving around CO2 emissions.

We deeply looked into what the question meant and broke it down to find answers to the following: How long is a lifetime in

New Zealand? How much CO2 is produced from different vehicles?

Our group of high achievers this year consisted of Alex Lasenby, Gabriel Lisaca, Maximillian Pearce and Stefan Zdravkovic. We all have an interest in science and mathematics, which was well used during this competition along with our skills in programming.

The competition went on for 8 hours. The winners would receive \$6000 for their group.

We all had a guess on what the amount of CO2 per capita annually would be at the beginning of the competition. Miss Liu's guess was the closest to being right in the end.

As a group, we completed the question with elaborate explanations of how we managed to get the final answer of approximately 3,000,000,000 (3 billion) metric tonnes of CO2 that could be saved if we converted all vehicles in New Zealand into electric vehicles over a lifetime.



Indonesian Ecology Expedition

From 30 June until 17 July, our group of eight keen Biologists went on an adventure of a lifetime to study ecology and help out with research in Sulawesi, Indonesia, a trip involving nine plane trips, two overnight ferries and about 20 hours of bumpy roads!

We joined an international group called Operation Wallacea (Opwall), who aim to provide scientific research and conservation opportunities to university students, scientists and now secondary school students from around the world. They use the data we helped to collect to form conservation strategies in the area, working with the local people, and seek funding from the national and worldwide governments to maintain these sensitive areas as reserves. They also hope to inspire the next generation of marine or forest scientists, and may well have succeeded with our group!

We chose the Sulawesi region of Indonesia, out of many Opwall sites across the world, as a place where no tourists ever visit due to its remoteness. We spent our first week in the rain forest on Buton Island and one week on Hoga Island,

an idyllic coral reef island in the Wakatobi National Marine Park. In the forest camp, we stayed in big army tents next to a river, with huts and covered spaces all around for hanging out, eating and even a bush lecture theatre.

The days were full and our group, along with other students from other schools in New Zealand, Australia and Taiwan participated in a series of biological and conservation programmes. There were lectures each day and field expeditions up steep and muddy tracks, some to gather valuable data and others to learn jungle survival skills and see interesting wildlife like snakes and tarsiers.

It was surprisingly comfortable in the camp despite lots of really heavy rain and cool bucket showers called mandis, not to mention those sharing a hut with a tarantula! We will not miss the awful spiky rattan plant.

Travelling from the jungle to the coral reef involved hiking across rivers, ten hours of bumpy travel and an overnight ferry stay. The local people are so friendly and cheerful and we felt like celebrities wherever we went as tourists are rare. Hoga Island was beautiful, with our days

here spent snorkeling or diving on the reef with colourful corals, fish and snakes, and a whole reef ecology course worth of lectures. Local shops here saw our students kitted out in loud, tropical clothing as they at last had somewhere to spend their rupiah and the food was delicious, though we were all a bit sick of rice. We visited an amazing overwater village on stilts, with basic huts, schools, limited electricity and water piped from the island nearby. Again, the local people seem to have little, but are always welcoming and smiling.

Our group worked alongside graduate and postgraduate students and scientists from all over the world. Some of the Opwall volunteers started out the same way our students did, by a trip to one of the many Opwall sites around the world, and are now regular volunteers or working on PhDs.

Both teachers and students who went had an amazing, once in a lifetime experience, challenging themselves physically and mentally and gaining new skills and friends. Planning is already underway for another epic ecology expedition – Opwall Madagascar 2020!



Rocket Lab

By Anna Choi

“Our mission is to remove barriers to commercial space by providing frequent launch opportunities to low Earth orbit”.

ON TUESDAY 27 FEBRUARY, Dr Sandy Tirtey, Launch Director from the Rocket Lab organisation, introduced our senior Physics students to intriguing facts on rockets, satellites and space.

The presentation began with Dr Tirtey saying, “Space may seem very far away from us, but it actually isn’t - it’s only the distance from Auckland to Lake Taupo”. Beginning with fascinating facts of astronomy, students and staff members listened with astonishment, curious to find out what he would say next. Throughout his presentation, he showed us footage of rocket launches (including one of his own team’s recent production), whilst explaining the stages involved. He provided pictures and descriptions of different types of rockets and satellites - both the successful and not-so-successful ones. Furthermore, he used creative astronomy-related images to help deepen our understanding and put what he was saying into context.

By the end of his presentation, the students were mind-blown - they learnt such a wide range of facts that were not only useful for their studies, but triggered their interest in space. The students found this presentation to be one of the most intriguing talks that they’ve listened to so far. How do I know this? The questions from the audience were endless - in a good way! Through this opportunity, Dr Tirtey was successful in developing students’ curiosity in studying astronomy and brought an influence to some who now want to pursue a career in the astronomical field. Who knows, we may have some rocket scientists at Rutherford!

“Anyone can become an astronaut. The future will be vastly more exciting and interesting if we have a closer connection with space. Have hope, have fun and love space”.

Digital Technology

By Mr Gilmore

It has been a busy year for Digital Technology, with new, exciting standards and software being explored by all students.

The school again undertook a two-week Virtual Reality initiative, transforming teaching and learning and providing students, with a key insight into the enhancements of a virtual world.

This technology gave the students a fantastic new way of learning, across the full spectrum of the curriculum. Science classes were able to explore space, the planets and understand the universe in a way that transports them directly into the environment. Social Sciences were able to explore historical content and teleport themselves into ancient worlds. Geographers enjoyed the 360 degree look at nature through Google Earth VR. Budding young artists were able to draw images and create graphical masterpieces within an interactive environment. However, the most exciting for the students were the gaming environments, online collaborations with other students from around the world in games such as Paintballing, Laser tag and sporting environments.

The trail was a great success with an enriching educational experience being enjoyed by all students, an

experience that increased students’ engagement in learning and showed how different learning styles and environments can develop better understanding of topics.

Another exciting initiative this year gave Year 12 and 13 students to opportunity to visit Xero, a computer software company, specialising in new technologies for business.

The day was a great success with students learning about working environments, coding and an overview of the programmes needed to run a successful business. The idea of computing, gaming, table tennis and free Coca Cola really drew the students towards the professional perks of the job!

In school, we saw a range of new software developed, Python language has become a large part of the Department and students are now exploring new gaming software, ready for students to tackle in 2019.

The introduction of the new Year 11 Digital Technology Standards kept us all on our toes and the Year 11 students enjoyed learning about new software and the challenges of developing digital outcomes, moving towards a more practically based programming course that involves less writing, which the students loved the most!

Overall, a very pleasing year, but with technology always changing and some topics becoming old after about six months, new exciting software will be used next year to ensure our students keep up with the world. There is never time to rest in Digital Technology!





Building

Using traditional woodworking skills each Year 11 student has made a high quality bedside cabinet. They have used a variety of wood joints including the fiendishly difficult lapped dovetail. They have handled planed edges to make them square and learned the importance of careful measuring, marking out and gluing. Students have worked in a safe and productive working environment assisting each other when necessary. A safe workshop is a happy workshop. This group of future builders or furniture makers should be proud of their efforts.

Year 12 have two quite distinct projects. The first is a macrocarpa coffee table. This is primarily a machine based project focusing the router and biscuit joiner. This provides the opportunity to make a piece of outdoor furniture to a high enough standard to allow use indoors.

The second project, a tool box, is a more hand skills based project. Building on the knowledge from the Year 11 cabinet, the box is made using lapped



Vinnie Roza and his beautiful rocking chair.

dovetails and through housing joints. This a more demanding Achievement Standard project which will test the students' accuracy, attention to detail and perseverance.

Finally, there is the Year 13 rocking chair project. This is a project of higher level of complexity that will test both the mental and physical dexterity of

the students. They will be expected to plan, measure, mark out and cut all the components of the rocking chair. The curves components will be both laminated and steam bent in the traditional manner. On completion, the successful students will have a family heirloom rocking chair to grace their homes.

Product Design

AT THE START OF THE YEAR the Level 3 Product Designers were given a 'new challenge' – The Coasters.

It seemed so simple: merely make two specified multi material coasters using the laser cutter, pewter casting and the students' problem solving skills.

What emerged were multiple failed attempts, frustration, perseverance, grit and determination, and ultimately some beautiful objects to rest their cups of coffee on after a hard day at school.

For the remainder of the year, students have been using the laser cutter, 3D printers and the design suite to solve various design problems of their choosing. This has required them to build on the skills they have developed during their time in the Technology Department.



Vincent Inta and Jackson Somers with a selection of their final coaster designs.



Hospitality

2018 has been an exciting year for our senior Hospitality classes.

The Year 11 students were introduced to the course by learning a range of new cookery skills ranging from knife skills to basic baking.

The Year 12 classes have worked steadily developing their culinary skills and applying them to a range of different cooking methods.

The highlight for this year was our trip to Chelsea Bay. The Chelsea Refinery has recently reopened and has been revamped. The students and staff went on a train through the refinery and were able to see where the sugar arrives and how it finishes up before it is sent off to end users. This was followed by an interactive experience before heading into the newly opened baking school to learn how sugar functions as an ingredient by making a batch of very tasty chocolate chip cookies.

The Year 13 class has had an eventful year studying the Level 3 cookery programme.

We visited the Fine Food Show in Term Two where the students had a treasure hunt to complete and the highlight was having a selfie taken with Manu Fieldel from MKR television fame.

We have made a selection of preserves, relishes and chutneys and learnt about food preservation techniques. The students provided the catering for a range of school events:



Open night, Board of Trustee meetings and Rutherford Day. The students are developing good barista skills and a couple of students were on hand to make espresso beverages for Open Evening and Option Night.

Hospitality is a thriving industry in New Zealand and it is always encouraging to see our students employed in the local establishments in Te Atatu Peninsula.



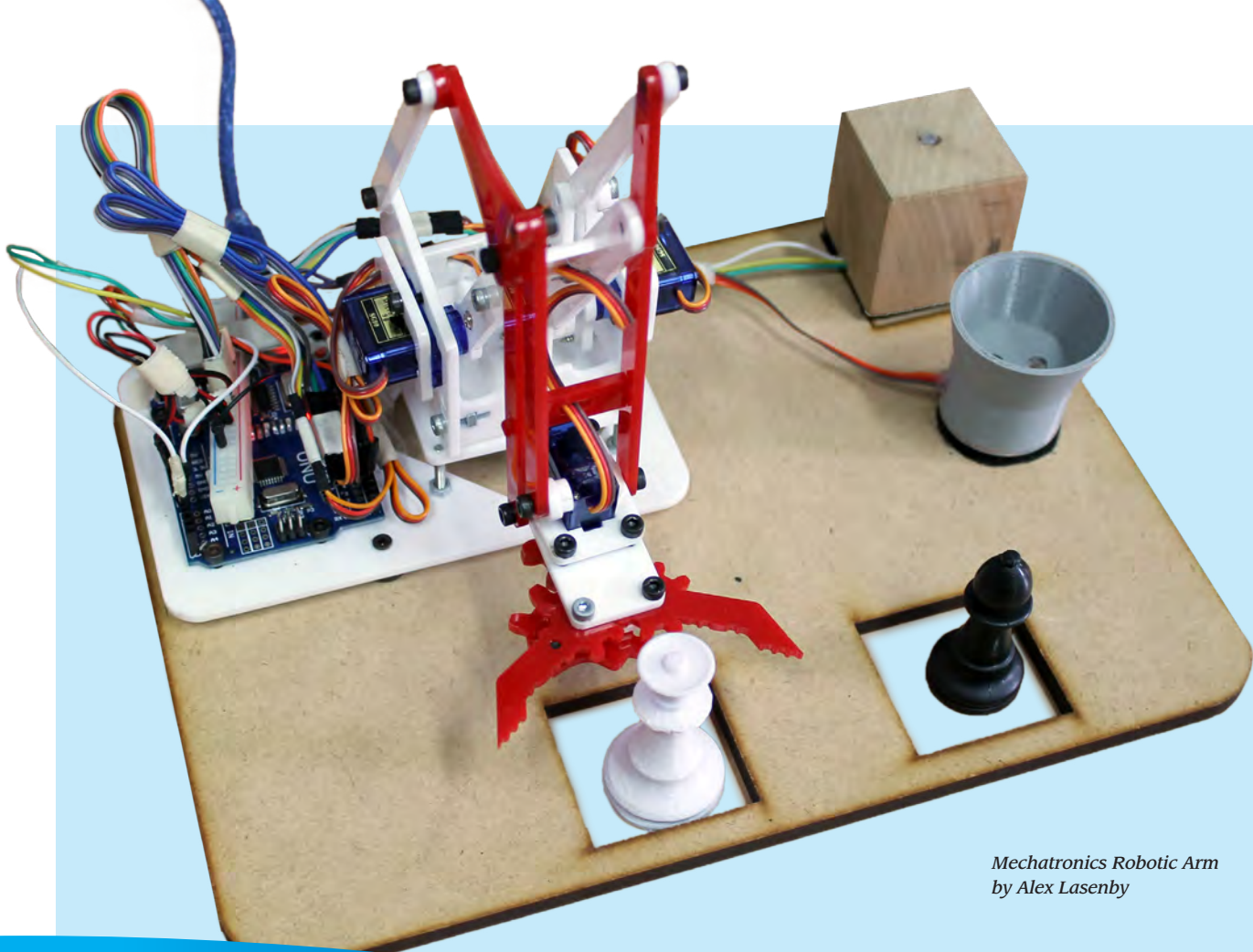
Early Childhood Education

EARLY CHILDHOOD EDUCATION allows students to develop the skills and knowledge to make a difference for them, their whanau/family and society.

Students learn about Early Childhood Education and how to foster young children's learning and make a difference in their lives.

We learn about the Early Childhood curriculum and cover topics such as looking after children's basic needs, nutrition, hygiene, health, attachments and transitions, play activities and much more.

This course is all about caring for others and developing essential life skills.



*Mechatronics Robotic Arm
by Alex Lasenby*

Mechatronics

The Mechatronics programmes were developed to provide a project based, practical subject that uses an engineering context to inspire and challenge our up and coming engineers.

THE LEVEL 2 GROUP BEGAN the year making and modifying small robotic arms. This involved cutting the pieces on the laser cutter and assembling the parts and adding servos to provide the movement. The next step involved adding potentiometers and writing a programme for the Arduino microcontroller to manually control the arm.

The real challenge came from the first main project. Our students had to integrate and calibrate sensors into their robotic arm and then automate it to detect the colour of chess pieces and put them into the correct bucket.

The start of Term Three saw our engineers begin their Level 4 paper at Auckland University of Technology's Engineering Faculty. This paper – Foundation Problem Solving – provided an interesting challenge from what is studied at school and allowed our students to experience university life.

Level 3 Mechatronics had an entirely different challenge in 2018. The group was split into three teams, who each designed, manufactured and raced an electric vehicle as a part of the Evolocity Challenge. Innovation was critical, and plenty of thought was encouraged as students strived

to make their vehicle the lightest, fastest, and able to cope with the demands of a tight street circuit. A huge range of skills were developed including project management, machining and fabrication.





Mahi-a-Toi

**Manawa mai te mauri nuku
Manawa mai te mauri rangi
Ko te mauri kai au
He mauri tipua
Ka pakarū mai i te pō**

Ko te mihi tuatahi me mihi rā ki ngā Atua Māori nā rātou i whakatūwhera mai ngā kūaha o te ira tāngata ki te whai ao, ki te ao mārama. Ko te mihi tuarua me mihi rā tēnei kaupapa i whakamahana i te wairua Māori kai roto. E ngā mate puta noa i te motu, haere, haere, haere atu rā. Haere atū kō tou ki a Rehua i te rangi. Tērā te wā o te mate, ka huri ki te wā o te ora. Tīhei Mauriora

Mahi-a-Toi is an academy which challenges young people to learn through a context of Māori creative and performing arts. The kaupapa of the academy is 'Leading Change through a Māori Lens'. Students are taught leadership skills through a Māori world view.

Our Unitec experience has expanded

itself by opening a Year 13 course. The students spent 10 days over 10 weeks studying at Unitec. They worked closely with Matua Michael Freeman and Matua Hohepa Renata and they produced a body of work for which nearly everyone gained Excellence grades. Students enjoyed the experience and they reported that it opened their eyes to what they are capable of and broadened their ideas around their artwork.

The Academy students spent seven days on the East Coast with the kaupapa being to learn the lifestyle of an Iwi artist at Awatere Marae under the guidance of the community and master carver Jack Brooking. It also gave students real world experience of the life of a commercial whakairo artist and of an Iwi based whakairo artist- both in conception of ideas, production process and resolved product.

Students undergo teaching and learning of Marae protocol as manuhiri, which is assessed via the Manaaki Suite

of Unit Standards.

For students to understand how their identity can help them in their life using our quote "He Māori ahau, e noho Māori nei ki tōku Ao Māori. Mā runga i tēnā ka Tōhea e au."

In a nutshell, the trip to the East Coast brought a sense of aspiration for their culture and their identity as a whole.

The wānanga style learning for both rōpū was also a great benefit. The academy ran outside of normal timetable allowing the students to learn in a block of four hours, which they said was great for maximising learning relationships. The 2018 Mahi-a-Toi classes have been an outstanding positive template for all Māori and non-Māori to excel through the philosophy of 'Leading change through a Māori lens.'

Me mihi ka tika ki a kōtou katoa i whakatinanahia i tēnei kaupapa. Tē nei rā te Mahi-ā-Toi e mihi kia kōtou katoa. Kia mau kia ū ki ngā tikanga, kia puawai he tiare Māori hou. "He Māori ahau, e noho Māori nei ki tōku Ao Māori. Mā runga i tēnā ka Tōhea e koe."

Huri noa tēnā koutou, tēnā koutou, tēnā koutou katoa.

*Kia ora koutou katoa,
Ko Carl Gibbons tēnei.*

*I was lucky enough
to attend the annual
Mahi-a-Toi showcase on
Friday 20 July at Unitec.*

The showcase is to celebrate the toi of the Level 2 Mahi-a-Toi Academy students who have been completing the tertiary component of the Mahi-a-Toi Academy.

The students have been at Unitec every Friday in Term 2 working under the expert eyes of Hohepa Renata and Michael Freeman. The whakaaro behind the student's mahi is to express their Te Ao Māori concepts through a digital media medium. The quality of the mahi was excellent and I was also

impressed with the volume of work that was produced.

This year the taura concentrated clearly and with depth on their whakapapa as the basis for their creations and it was great to see some intricate professional mahi as a result. I especially liked how this years cohort had produced some pieces which described their work leaving the viewer with more understanding of the pieces in question.

I would like to acknowledge the support of Unitec of our students as well as the individual mahi of both Hohepa and Michael. Likewise the support of the whanau is awesome and you are probably the most important cog in the machine and finally a big thank you to Matua Jeff who continues to lead and support these students with passion and expertise.

Carl Gibbons





Physical Education & Health

The Physical Education and Health Department continued to grow in 2018. Term One began with a bang with multiple trips going out to take advantage of the great weather. Our Year 9s settled into the school well with their introductory unit around Interpersonal Skills. They were also treated to some Water Safety lessons in the pool with Water Safe Auckland.

Within the junior programme we continued to grow our Digital Learning tools within our units to reflect device use amongst our Year 9 students.

This allowed students to learn Anatomy, Biomechanics and Exercise Physiology through a variety of contexts, including the use of our Weights Room! This was completely upgraded with new equipment throughout, which helped aid our students in learning about their bodies through practical experiences. Online tools such as YouTube, QR codes, Sworkit and HUDL were used to enhance learning. Tools such as Socrative and Google Forms were used as online formative and summative testing, which were conducted around Biophysical Principles within movement.

The use of personal devices was also utilised through QR Code Orienteering and online tools or fitness apps in a unit

aimed at looking at how technology can enhance physical activity levels in youth.

Our senior programmes were aimed at giving students the opportunity to choose contexts for their learning as well as incorporating Digital Learning tools. This was mostly evident through the use of analysis tools in our performance improvement units in Level 2 and 3 programmes.

The use of these tools exposed students to higher level analysis and critical thinking. Experiences outside the classroom were also a highlight for us. This included a Year 11 trip to Tree Adventures and the Year 13 scholarship students attending workshops at Unitec.

Both of these trips were highly beneficial for our students and saw students not only enjoying themselves, but learning and applying their skills within the wider community. Our senior students also had the



opportunity to work alongside our juniors in a Health Promotion unit, aimed at bringing enjoyable sporting experiences to youth to ensure lifelong participation. They not only gained insight into health promotion practices, they learned valuable lessons in planning, organisation and leadership.

Our programmes continue to build confidence, resilience and critical thinking skills in our students. The aim from here is to enhance the links between their experiences in Physical Education and “the real world” ... whether that be in a literal or metaphorical sense.

HEALTH

Health in the senior school consolidated its position as a full senior academic pathway. 2018 saw consolidation of courses and units to follow on from the successful work done in 2017. This allowed improvements to be made to coursework and assessments across

the three senior levels.

Our junior programmes again enjoyed Digital Learning tools and practices to help enhance students’ learning. Opportunities for students to make movies, create Kahoots and do independent research using personal devices allowed more inquiry based learning opportunities. Teachers of the junior Health curriculum undertook extremely successful professional learning workshops around Culturally Responsive Pedagogy and adapted our programs to meet the needs of the diverse range of students we have at Rutherford.

Our Department has been busily developing resources and delivering effective lessons to students as a result of these workshops! In Term Four a ‘Community Consultation’ will be conducted as a Ministry requirement every two years of how Health Education is delivered at Rutherford College.





Outdoor Education

This year has been highly successful despite the challenges we faced, concluding with an exceptionally positive experience on the Year 12 Camp to Tawharanui.

THE LEVEL 2 CLASSES HAVE enjoyed five separate trips this year from flat water kayaking on the beautiful lake Pupuke, pushing their limits at Extreme Edge Rock Climbing and finishing it all off with the highly anticipated Tawharanui camp. Students had a range of activities to choose from at Tawharanui, which included stand up paddle boarding, snorkelling and sea kayaking just to name a few. Kauri die back prevented access to the Waitakere ranges, which ultimately cancelled two day tramps. However, from this students were able to learn about a contemporary issue that is contentious within the Auckland region, the stakeholders involved and their point of view on the issue.



In class we introduced the students to the concept of risk management in the outdoors. This consisted of learning about hazards that can become present in a given situation and learning how to manage them. Students also learned about navigation and weather interpretation. They were able to quickly apply their learning during many of the activities that were conducted in the outdoor setting.

The Level 3 classes started this year off with a bang, heading off to Tawharanui for a two day stand up paddle boarding excursion. The camp was a huge success with the weather turning it on for the students and good times being shared on the water. With

winter came snow and the highlight trip of the year to Mt Ruapehu for snow camp. The drive down was long, but well worth it as the conditions were amazing as we were treated to a blue bird day skiing and riding on the mountain. For some students, this was the first time they had seen real snow and they were not disappointed!

In class the students were able to refine their leadership skills by running and participating in a series of adventure based learning initiatives and reflecting on their experiences. Students were also able to refine their risk and hazard identification skills while also gaining a critical perspective on industry safety management.





Gateway Programme

The Gateway Programme is designed to strengthen the pathway for students to progress from school to workplace learning.

The Programme supports achieving secondary students (Year 12 and 13) undertaking structured workplace learning across a range of industries and businesses throughout our community while continuing to study at school. Work placements are usually for one day per week for an agreed on period of time. The students work for unit standard credits, not money. Credits achieved in Gateway can be counted towards their NCEA qualification.

All Gateway students need to have achieved NCEA Level 1 and have a proven track record of excellent behaviour, attendance, punctuality and the ability to work independently and use their initiative – in other words, that they are “work ready”. Students are responsible for getting themselves to and from their work placements each week.



Hayley Greenslade

Students are also given the opportunity to attend courses to help them prepare for their work placement e.g. First Aid Course, Health & Safety Course and Site Safe Construction Passport. These are all valuable skills for the students to take to their work placements and they have been able to add these qualifications to their CVs.

We were also fortunate to have Ana Pickering from Skills/Workchoice come into our classes during Term One

to take our students through an Employability Skills course prior to them going out on their work placements.

2018 has been a very busy year in the Gateway Department with students from Rutherford College completing work placements in the following industries – McDonalds Oasis Programme; The Warehouse Red Shirts in Schools Programme, Building; Automotive; Computer Engineering; Early Childhood Education; Countdown Supermarkets SEEDS Retail Programme; Air NZ Engineering; Auto Electrical; Domestic and Commercial Electrical; Event Management and three senior students gained their Pool Lifeguard Certificates.

Students have been able to gain new skills, make new friends, have a closer look at a job they may want to pursue in the future, make contacts within their chosen industry and experience what it is really like to go to work for a day in the real world. Some of our students have also been offered paid holiday work, full time work and apprenticeships.

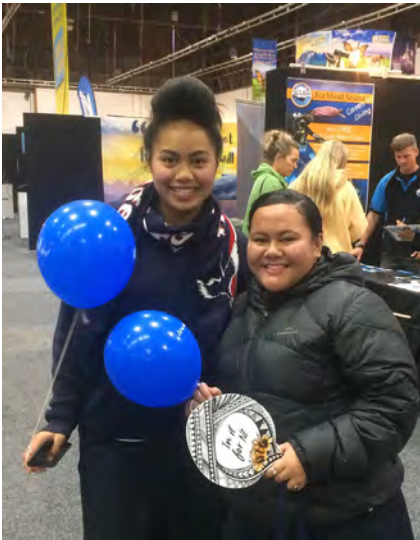


Mitesh Chauhan

Careers & Transition

There is never a dull moment in the Careers Department as students are encouraged to drop in to our friendly well-resourced department. Whether it be to browse or to check out the latest brochures and prospectuses on the stands, students are always welcome.

Young Women in Leadership



Students can make an appointment for individual advice, or to get assistance on how to compile a CV etc. Computers are available to access on line tools or for career research and planning, or to apply for jobs and courses. Lunch time presentations from outside providers are arranged throughout the year in order to get specific and up to date information from key liaison personnel.

The Careers Facebook page is a very useful means for sharing information regarding up and coming events and dates to remember – check us out on Facebook and like our page: [rutherfordcollegecareers](https://www.facebook.com/rutherfordcollegecareers)

During the year a number of students have benefited from attending a variety of presentations, courses and targeted taster days held either at school or at other venues. It is pleasing that students are making the most of opportunities on offer. As a result they are gaining in knowledge,

qualifications and confidence. Some of these included:

- First Aid and Health and Safety courses
- Learner Licence course
- Year 11 Study Skills day and Year 12 Young Women in Leadership programme
- Techorium Computer Programming course and Barista Coffee making course
- BEAMS and PILOT days for Māori and Pacific students
- NZDF Engineering, Science and Technology conference
- Careers Expo and INZONE Careers Coach Roadshow
- Employability Skills and Financial Literacy workshops

The Careers Expo in Term Two was well attended and students enjoyed the evening session to explore at leisure and chat informally with representatives from key providers face to face. Our students were praised for their ability to engage and ask relevant questions as they gathered information from the stands about tertiary courses, vocational pathways, trades, apprenticeships, study link, jobs etc. This year JOBFEST was included. The emphasis was on current employment

opportunities, the importance of being work ready and that having a drivers' licence is a real advantage to many jobs and industries.

The Employability skills workshops in Term Two were aimed at senior students looking to enter the work force and becoming job ready. The topics included: attitude, communication, teamwork, self-management, willingness to learn, problem solving and resilience.

The start of Term Three began with a school wide focus and participation around Options and Subject Choice week. It is an important time assisting students with subject choices for the following year. Options evening gave students and whanau the opportunity to meet with appropriate staff members, ask questions and to get specific information, as there are steps and processes to go through before making an informed decision.

Senior students were given time to attend Financial Literacy workshops in Term Three during their study period. The first session was titled 'Getting good with money' which made us all think about our spending decisions. It was an interactive session with students discussing good debt and bad debt etc. It definitely gave time to reflect on how decisions we make now will have consequences that will impact on our future.

Our small group of adult students have worked hard this year building on the qualifications and skills required to equip them to continue with study or gain employment as confident 'life-long learners'.

We were very proud when it was announced that Marwa Omar was this year's recipient of the West Auckland Most Outstanding

Adult Learner Award. Marwa enrolled as an adult student at the start of the year so she could improve her English and further her educational dreams of helping people. Marwa has an interest in the health sector and her goal is that she will study and train in that industry in the future.

*Marwa Omar
- Adult learner
receiving her
Award.*

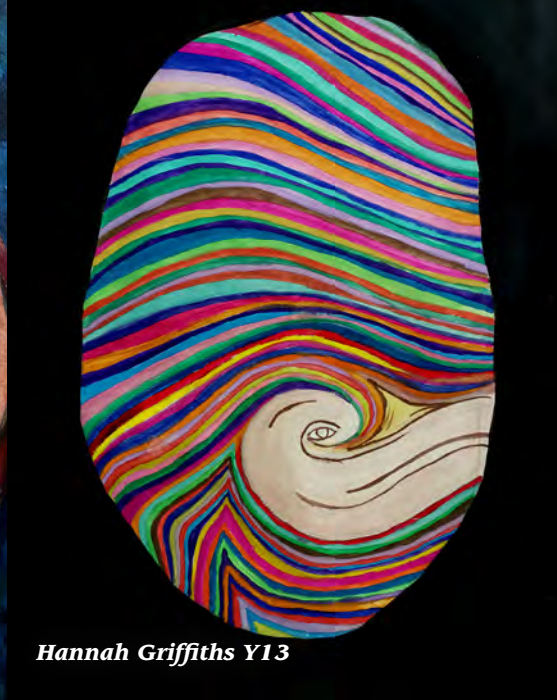




Jade Ratahi Y12



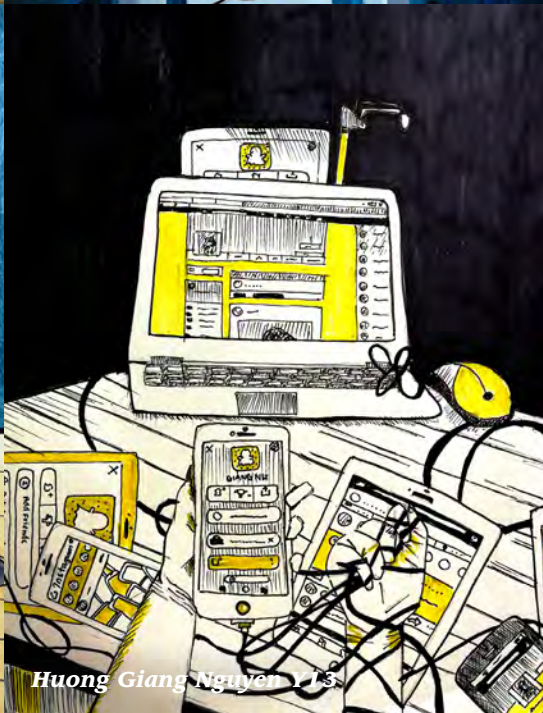
Huong Giang Nguyen Y13



Hannah Griffiths Y13



Huong Giang Nguyen Y13



Huong Giang Nguyen Y13



Huong Giang Nguyen Y13



Annabelle London Y13



Annabelle London Y13

VISUAL ARTS



Huong Giang Nguyen Y13



Nihal Nayer Y13



Georgia Berry Y13



Te Tai Rota Y13



Annabelle London Y13



LEAP Department

The LEAP department caters to students with diverse learning needs, from those who require extra support to those who want to be extended.



ACCELERATION

The A in LEAP stands for Acceleration. Acceleration is about bridging gaps, problem-solving learning frustrations and putting in place the support or accommodation that helps students achieve to their maximum. The A in LEAP is about the student and what they need to achieve their personal excellence.

The more we learn about learning we realise that dyslexia, dyspraxia, dysgraphia and ADHD can present challenges in traditional classrooms, but if we are flexible and strengths-based, all students can succeed. At Rutherford College, we recognise the right of all students to have meaningful opportunities to learn inside and outside of the classroom, and our LEAP Department is proud to be part of supporting this.

LEAP Acceleration is staffed by Saffron Conde (Mainstream SENCO) and our five teacher aides: Ana Aramoana, Michelle Arnold, Alyssa Brown, Kesi Koloni and Materoa Moses. In Term Three, we welcomed Tishan Koloni to our team as well.

Our teacher aide team is exceptionally busy throughout the year supporting students in a wide range of activities from camp to workshops and academic pursuits. LEAP students are on the sports field, in studio shows, showing their work on Art boards and walking across the stage to celebrate academic excellence. In 2017, yet another LEAP student achieved a Scholarship pass at Year 13.

A key part of our Acceleration work is helping create conditions for assessment that help our students show themselves at their best. Special Assessment Conditions (SAC) is one part of this. We continue to use alternative evidence as our main source of information when applying for special assessment conditions. This means that families don't have to pay money to make sure students receive appropriate support. At the end of this year, we will coordinate 200 individual NCEA end-of-year exam experiences for students sitting Levels 1-3.

To coordinate student need, our teacher aides run an online booking system for senior and junior students who use reader-writers. This service is the coordination hub for our support of students who know the answers but experience frustrations communicating their learning. Alongside this, they also manage our bank of Chromebooks and give tutorials in Google Read and Write. The use of technology can be key in levelling the learning playing field, and as a department, we continue to embrace technology as a key feature of support for learning. We encourage our teachers to use online classrooms, audio books and give opportunities for speech to text tasks.

None of this would be possible without the professionalism and training of our LEAP teacher aide team. All of our aides have had professional learning in autism, dyslexia, behavioral challenges that come from learning frustrations and much more. They regularly meet with the SENCO to discuss barriers to learning and problem-solve ways forward. Our teacher aides can give and interpret a range of educational assessments and work alongside teachers to help modify learning opportunities.



We recognise that break times can be a frustration for some students, so a key development for us in 2018 is the expanding of our lunch club. Four days a week, LEAP teacher aides host lunchtime activities in Tūrangawaewae's bright cheery back room overlooking the school pool. Lunch Club is where the Last Card king changes almost daily; it's a chance to download, laugh and reflect on the journey ahead.

EXTENSION

Our students of high potential academic ability have continued to challenge themselves in 2018, both in class and outside. These students are initially placed in our Kaleidoscope junior classes from entrance tests and data from intermediate schools. They are challenged within their classes by learning at a faster pace with more breadth and depth. As specific individual abilities are identified, students are offered opportunities to develop these, extend and challenge themselves, including accelerated level classes after a year of settling in for Year 9 students.

In the senior school, identified students are monitored, mentored and made aware of a wide range of academic challenges to complement their NCEA studies and help to develop critical thinking, interpersonal skills and meet students of like mind from outside Rutherford. A few of the most memorable successes are below.

University of Auckland Young Scholars University Courses – a group of five Year 13 students chose to challenge themselves with a university paper in the first semester. Despite the struggle of keeping up with all the demands on their time, all five passed easily and enjoyed the insight into university level study.

Anna Choi, Daniel Quach and Reuben He took on the very challenging Accelerated Mathematics paper, all gaining A passes and even an A+ for Reuben, an amazing achievement whilst being Head Boy and participating in an incredible number of co-curricular and outside pursuits.

Meg Nowak convinced the university

to allow her to do a Level 2 Computer Programming paper instead of the usual Level 1 paper offered, still managing to gain an A pass with a lot of hard work.

Sanskruti Patel studied Psychology and is very keen to incorporate this into her future studies as she moves towards Medicine as a career.

This opportunity is available to a small group of top Rutherford Year 13 students each year through the STAR funding programme. All of the students agreed that it was an amazing opportunity and helped a great deal in determining their future academic route.

Academic Forums – as always, a number of our students won places at prestigious residential forums for top academic achievers. These included Reuben He at the two week Rotary Science and Technology Forum and the Sir Peter Blake Young Environment Leaders Forum. I apologise for any missed off this list.

ICAS COMPETITIONS

These international competitions in Science, Maths and English have been around for many years and are entered by students keen on challenging themselves on an international stage. This competition is now mostly attempted only by high ability students, so the chance of gaining a high level of success is always dropping. Only Distinction certificates (90%) are listed below, but a significant number of students achieved nearly as highly. Distinction entitles a student to gain a Rutherford silver Kōtuku academic badge, and High Distinction an automatic prestigious blue academic badge. Well done to the following

- Digital Technology – Distinction certificates to Petar Zdravkovic, Edwin Schaufelberger and Tony Schaufelberger (all Year 10)
- Science – High Distinction (top 1%) certificate to Eddie Schaufelberger (Year 10) for the second year in a row, and also to Tamati Hohepa (Year 11)
- Distinction certificates to Tilak Patel, Josh Manning and Luke Huang (all Year 11). Oliver Gracewood and Tony Schaufelberger were just ONE

mark off Distinction, so have Credit awards (along with others in 11-30%)

- English – A High Distinction certificate for Tunde Ficza (Year 10) who was presented with a medal for a top achiever in Australasia
- Distinction certificates for Oliver Gracewood, Klara Dostalickova and both Eddie and Tony Schaufelberger.
- Maths - High Distinction certificate awarded to Anna Choi (Year 13) who also was presented with a medal for a top achiever in Australasia!
- High Distinction certificates also awarded to Oliver Gracewood and Tony Schaufelberger (Year 10)
- Distinction certificates awarded to Tamati Hohepa and Tilak Patel (both Year 11) and Edwin Schaufelberger (Year 10)

University of Canterbury Great

Kiwi Competition – this was a new event in 2017, with one hour online exams in Maths, English and Science for junior students only. The format and questions differ greatly from the usual ICAS and should continue to provide a more local focused competition.

Congratulations to Tunde Ficza, Oliver Gracewood and Klara Dostalickova for Distinction in English. Excellence (top 5%) certificates went to Eddie Schaufelberger, Tony Schaufelberger and Alex Johnson.

In Maths, Excellence grades went to Oliver Gracewood and Tony Schaufelberger.

Rutherford has a wide range of co-curricular groups and activities for young people determined to make their world a better place. Some of these community minded groups include our strong environment group, charity groups such as World Vision, Unicef, Z-Club, Animal Rights, to name a few. Rutherford groups are proud to have raised well over \$10,000 for many worthy causes this year, planted a tree for every Rutherford student, and started a new community garden project.

Rutherford was also well represented in several Maths competitions, the Brain Bee neurology contest, young Engineers, Robotics and more. These are mentioned in other articles in this yearbook.



Nihǎo! Guten Tag! Konnichiwa!

2018 has been another exciting and eventful year for the International Languages Department. At the end of Term One, we farewelled Miss Rachel Hill, a vibrant and caring Japanese teacher who had been with the Rutherford Whanau for two years. At the start of Term Two, Miss Megumi Chiba, a native speaker of Japanese, joined our diverse Languages Department from Whanganui.

To provide Rutherford College language students with the opportunities to be immersed in the native cultures, teachers often try to create authentic environment and activities for the students. In May, the students who study Chinese participated in a Mindfulness cultural workshop.

They visited the Fo Guang Shang Buddhist Temple in Flat Bush. They learned to practice how to be mindful and about the acts of kindness to the people around them based on Chinese culture. In September, the senior Chinese classes had a chance to visit an authentic Chinese restaurant in Auckland where they enjoyed an amazing lunch. At the restaurant, they observed some cultural practices, tried some new food using Chinese language whenever they could.

The German teacher, Mrs Scheffer-Cosslet, and her students continued with providing lessons at Rutherford Primary School. This was a great experience for these senior German students to deepen their knowledge of German through teaching. They also performed two short plays in German (Hänsel und Gretel and Hase und

Igel) to the Rutherford Primary School in November at a fundraiser for the students selected to go on the German-New Zealand Exchange in 2019.

The German class also attended a screening of a German film "Die Königin von Niendorf" at the German Film Festival at the Academy Cinema this year.





This year we celebrated some great successes with our language students.

GERMAN

Rebecca Wilson (10HA), Aiseey Escasenas (10GP), Jacinta Brown (10MK), and Alex Johnson (10HA) received two Silver and two Gold awards in the Year 10 category in German Language Competition. Zabrina Consing (11LE), Vicky Varava (11BK) and Katie Collis (11BK) received Bronze and Silver awards for the Senior category in German Language Competition.

Kyra Brown (12HC) and Tracy Feng (12HC) were commended for their challenging 30-minute-long interaction in German.

CHINESE

Anna Choi (13JF) received the 3rd prize in 2018 Chinese Bridge Speech Competition Auckland Region.



International Languages Week

During week nine in Term Two, we had the annual Rutherford tradition, the Rutherford Languages Week (formally known as International Languages Week) to celebrate and promote the understanding and the diversity of cultures we have at Rutherford College.

The week opened with celebrating Te Reo Māori with the Kapa Haka and delicious Matariki burgers for sale outside the Marae. On Japanese Day, we were lucky to invite Harei Mai Taiko Drum Group to perform a powerful Japanese taiko drum performance at the assembly. Some Year 10 students studying Japanese also had an opportunity to learn about taiko and had a go at playing the taiko in a workshop. At lunch, Ms Chiba and her students prepared yummy Japanese curry and hot miso soup on a cold winter day. For the German Day, Ms Scheffer-Cosslett organised a German-themed cake competition. Many talented future bakers of Rutherford produced some amazingly decorated cakes. The Baker of the Year went to Rebekah Felton (10HA) and Emilie Collis (13WT). The students also had the opportunity to buy these

delicious cakes, German brezels, and gingerbread cookies at lunch time.

On the Chinese Day, Ms Hsiao and her team organised the shuttlecock/Hacky sack-kicking workshop and the chopstick competition. It was great to see many students participate and try Chinese food, such as fried rice and dumplings. This attracted the biggest crowd of the week at lunchtime. On Friday, we celebrated the Pasifika Culture and all the other cultures in the world. The Year 13 and some staff dressed up in various cultural costumes which brightened up Rutherford College. Mr Talamaivao and Mrs Taula worked perfectly with their team to offer us a taste of Pasifika including chop suey and koko Samoa. Some beautiful and exquisite Middle Eastern sweets were also sold at lunchtime. The week ended on a big high with the most anticipated Food Fear Factor and the prefects performing a flash mob.

International Languages Week is always an enjoyable event, where we celebrate not just the languages we teach at Rutherford, but also embrace all cultures and promote their understanding. It is a week that we are all proud to be part of.





Te Reo Māori

Tuhia ki te rangi. Tuhia ki te whenua. Tuhia ki te ngākau o ngā tāngata. Ko te mea nui, ko te aroha. Tiheiwa Mauriora! Ngā mihi tuatahi ki te atua. Ko ia te timatanga me te whakamutunga o ngā mea katoa. Ngā mihi tuarua ki te Kingi a Tūheitia me tōna whānau me te whare kāhui ariki. Pai marire ki a rātou. E mihi ana ki te hunga mate – haere, haere, haere atu rā. Ka tika hoki ki te mihi ki te hunga ora, ngā kaumatua, ngā mātua me ngā karangakaranga o ngā ākonga o te kura tuarua o Te Kōtuku. Tēnei te mihi uruhau ki a koutou katoa.

This year was an important and highly successful year for our students. It was great to be back this year after taking the year off to complete studies at Otago University. Firstly, I was extremely proud of our students who performed brilliantly at the Kapa Haka secondary school national competition in Palmerston North. Tēnā koutou ki a Matua Jeff Ruha, ngā kaiāwhina me ngā whānau i tautoko te kaupapa nui.

We took our Year 9 and 10 students to join the 'Te wiki o te reo Māori hikoi' in the city promoting the importance of our national language and taonga. It was really important that our students were involved in the hikoi as it gave them an opportunity

to celebrate our indigenous language. Te reo Māori is a taonga handed down by our tūpuna (ancestors). I applaud all our students and staff who embrace the beauty of our native language. The revitalisation of te reo Māori language relies on everybody to play their part with the ultimate goal to make the language a strong community language spoken everywhere. Kia kaha koutou katoa ki te kōrero Māori.

We were represented at Ngā Manu Kōrero held this year at Ōrakei Marae by Tiare Ngata-Aerengamate (junior English) and Alison Lamdin (junior Māori). Tiare humorously spoke about the different types of pressures that rangatahi experience particularly concerning social media. She gained third place for her effort. Alison spoke about the ongoing revitalisation of te reo Māori and environmental issues in Aotearoa. She placed seventh in her category. Both of our speakers were inspiring to listen to alongside the other schools that were present at the prestigious speech competition. Ka pū te ruha, ka hao te rangatahi.

The Year 13 Māori class travelled to Wellington and stayed there for three days. Our Term One topic for this year was Te Ao Torangapū (the political world) so we spent the day

at Parliament with Labour Ministers Phil Twyford, Kelvin Davis, and Carmel Sepuloni. We also had a tertiary day where we visited Massey University and Victoria University. The students particularly enjoyed question time with different political parties debating over the important national issues. We also spent time at Te Papa Museum.

Ki-o-rahi seems to be a very popular sport for our students. It's a traditional game based on the legend of Rahitutakahina and the rescue of his wife Tiarakurapakewai. We took our Year 11 students to play against Waitākere College with the importance of establishing whanaungatanga with our close neighbours. It's important that our students create friendships with other students in West Auckland schools. We came away with the first win and hope to continue this kaupapa.

Kia ora to Matua Jeff Ruha for your awesome mahi with the Year 9 and Year 11 te reo Māori classes. Your energy and enthusiasm has been infectious and the students have appreciated your time and commitment to their studies. Tēnā rawa atu koe e te rangatira mō tō whakapau kaha i ngā āhuatanga Māori o te kura nei. It was also great to have Whaea Te Anini Young as our student teacher from Auckland University.

I want to wish all the students well in their upcoming exams. Good luck also to my Year 13 students, all the best for your future. I am always here if you need anything. It is always important to focus on your wider goals and to surround yourself with positive and proactive people that can tautoko you. Have a great summer break, and don't forget to help your whānau out around the whare.

He aroha whakatō, he aroha puta mai – if kindness is sown, then kindness you shall receive.

**Ngā manaakitanga,
Matua Wiremu Flavell
Head of Māori Studies**



Tūrangawaewae

He wahi hei tu me te whai mana
A place to stand and belong.

Dear Prime Minister,

We are a group of students from Tūrangawaewae Unit at Rutherford College and would like to share a few things about us.

We are all from different cultures and get along like a family. Other students at the College show us a lot of respect and make us feel accepted. Respect is important in Tūrangawaewae and we work hard to develop this by being polite and kind to each other. Some of us need to travel to school by taxi and this is really good because we love coming to Rutherford and having fun and learning. Sometimes we are able to be leaders and there are many times during PE and sport when this shows strongly.

People who come to visit us will see a group of young people who are happy and focused on learning in many areas. Computers are a big help and we are experts on Studyladder and Google Classroom. Some of us go to Work Experience in the community; others go to Hydrotherapy at West Wave; and there is even horse riding for a small group. We go into mainstream classes with our wonderful teacher aides. Some of these classes are Maths, Māori, Art, Science, Travel and Hospitality. We also have our own kitchen in the unit and each week there are cooking classes.

Staff look after us well. The teacher aides are always supportive, the teachers work hard to give us good programmes and we even have a Speech Language Therapist, Occupational Therapist and Physiotherapist who come in each week to help us.

This year we have been involved with the Special Olympics and our teams were great at athletics, soccer and basketball. Sport is important because it builds our team skills and keeps us fit.

Hopefully, this gives you an idea of who we are at Tūrangawaewae, where we stand proud. We would love to hear back, or even better, to have a visit. Then you will see what a great school Rutherford is.

Respectfully yours
The students in Tūrangawaewae Unit,
Rutherford College, Auckland

ESOL

English Second Language Department & International Student Programme

2018 has seen an increasing number of ESL students in our school. Over 140 students have been placed in eight different ESL classes, each suited to their level of proficiency. The number of new immigrants, exchange, international and refugee students reflects our increasingly culturally diverse school environment. The students come from 20 different countries and speak over thirty different languages.

The number of ESL classes at Rutherford allows considerable flexibility of movement between levels and plenty of opportunities for differentiation. Students who arrive with little or no English first need to master the language of survival at school, in the community and among their peers. They learn these skills through a series of practical reading, writing and speaking tasks such as completing forms, interpreting posters and brochures, describing events and other people. Those at higher levels of proficiency study academic reading and writing from basic to very complex levels, such as conducting academic

research, writing a research report or using technology to support delivery of an oral presentation of their inquiry.

Senior students can study at different levels of the curriculum in order to experience success at their level of ability. They have a variety of learning goals, and at Rutherford, we are able to prepare students for further study in New Zealand or overseas.

English language instruction and NCEA assessments allow students to apply acquired skills and knowledge in all international exams including TOEFL, TOEIC, IELTS and CFC.

The English Language curriculum is linked to the Common European Framework (CEF).

Alongside the focus on improving their mastery of English, some international students take the opportunity to make new experiences while 'Down Under'. These activities have included surfing, sailing, jet boat riding, luge racing, camping and road trips with their host families. Students have visited Hobbiton, explored the Coromandel Peninsula and been immersed in Maori culture programmes. All aspects of their programme blend to create their unique, unforgettable experience abroad.

What is common to all ESL students is a feeling of being welcomed and accepted into the Rutherford whanau.







A DOZEN REASONS TO JOIN A CLASS WITH RUTHERFORD ADULT AND COMMUNITY EDUCATION

1. It's an affordable opportunity to study a subject you have always been interested in.
2. Learn DIY skills that you can use around the home or apply to your workplace.
3. Discover how easy it is to make your own natural products such as soaps, shampoos, candles and lip balms.
4. A great way to learn a new language and make new friends in your community.
5. Create tasty ethnic dishes from around the world and increase your confidence in the kitchen.
6. Our tutors are experts in their field of study and eager to share their knowledge with others.
7. A great way to relax and get creative in a friendly environment with other like-minded people.
8. Upskill yourself with technology, computers and the digital world.
9. We have professional tutors and excellent resources providing positive learning experiences.
10. We provide NZQA courses that allow you to gain credits and qualifications for the workplace.
11. You're never too old to learn something new – the quest for knowledge only ceases when one dies.
12. Improve your health, fitness and wellbeing.

Learning is a journey, not a destination.
E Kore e mutu te ako.

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Drama

*2018 was an amazing year for Drama!
Students have had the opportunity to be
theatre observers and theatre creators.*

The Year 12 and 13 Drama classes had the massive challenge of tackling Mark Wheeler's incredibly powerful play *Too much punch for Judy*. Based on true events, the play delved into the drinking culture of the 1980's and the story of two sisters on a fun night on the town. We stylistically weaved three Jos and three Judys in and out of the play to tell the tragic story of how under the influence, Judy crashed her sister's car ending in

the devastating loss of Jo. The students did the play and themselves justice, handling it with such maturity for a message that is so important for our up and coming drivers, those already on the road and the community.

In Term Three the senior drama class worked alongside Massive Company's artistic director Sam Scott and her amazing team in a two-day workshop. Using the provocations that started the creative process of Massive's recent show "Sightings", students used these provocations as inspiration for their own stories and how they can bring them to life on the stage. The workshop worked the students physically and gave them different tools of how to devise a performance.

The Year 11 Drama class started the year off with Commedia Dell'Arte, working with well-known Lisa Brickell in an all day workshop. Students experienced how to walk and talk as a traditional Commedia Dell'Arte character and how they can play on the comical aspects of people in society. From this workshop, students created their own Commedia character masks, and using a traditional scenario adapted them to create their own performances. We showcased our efforts to the wonderful Tūrangawaewae class at Rutherford College and also travelled our performance out to Rangeview to perform for the school.

Junior Drama continues to explore the fundamental skills of communicating ideas through the mediums of voice, body, movement and space. It was a highlight to watch these young theatre creators, oozing enthusiasm when creating their own performances.

Kia Kawea tātou e te rēhia-Let us enjoy the spirit of entertainment.



Dance

2018 has been another exciting and busy year for the Dance department at Rutherford.

We kicked the year off with our first Studio Show 'Fanfare' where students from Year 9-13 showcased their choreography including some beautiful senior duets and some bright and dazzling group pieces with stunning costumes made by Mrs Farrar and Ms Betanzo.

Liana Sabetian, from 2017 Year 13 cohort, received the Top NZ Dance Scholar, which saw her, Miss Exeter and Mr Moore head to Parliament to see Liana be presented with her award by our PM Jacinda Ardern. This was an incredibly proud moment and so rewarding for Liana's countless hours of hard work to be recognised by our inspiring and empowering female leader.

Our next performance was a series of shows as part of You Dance Festival. Rutherford was invited to perform at all three shows including the new venue, The Vodafone Events Centre in Manukau. Year 13s performed Liana Sabetian's Scholarship work from last year and Year 12s opened one of the shows with their group piece 'What is this' – a colourful explosion to set the tone of the night. Wesley Goffin and Cainan Toki performed at all three shows with their duet 'Comrades', which was a crowd favourite.

The highlight of the year for the Dance Department would have to be Studio Show 2 where we turned the hall into a theatre, complete with an industrial modern day stage, lights and tiered seating. Mr Thompson, his technical team and the dancers pulled together to transform the stage into such a professional looking environment that it was almost unrecognisable. There is no doubt that

the change of setting shifted the mindset of the performers and audience as I believe it was the strongest Studio Show to date. The boys' piece fusing contemporary dance and hip hop was undoubtedly a show-stopper choreographed by Joash Fahitua. We will aim to create this space for at least one show a year from now on.

Finally, the Year 13s showcased their own choreography based on Peace and Protest movements in history on the stage, performed by year 11, 12, and 13 students. Each work was so different from the next and the audience

was taken on a real rollercoaster of emotions. The creative energy and time that went into each work is admirable and the students should feel very proud.

The Dance department would not operate without the consistent support of Mr Thompson, our awesome tech team – Leon Masefield and Samson Wen and the Cultural Committee led by Eve Chandra, who dedicate so many hours to the shows we put on.

Our amazing Drama teacher Miss Wilson is also a very skilled choreographer and has created work with our junior classes for shows this year. She has been an asset to the Department and we thank her very much!

So where to from here for us? We will keep challenging the parameters of Dance and pushing ourselves creatively and physically and striving for excellence in our craft. A huge thank you to everyone who came and supported our shows this year.



DANCE





"If I knew where the good songs came from, I'd go there more often."
Leonard Cohen

Every school day of the year we are all very fortunate to hear the creative sounds our Rutherford musos create and witness the growth in skills and development of all our ensembles. It has been another successful year for our little Music Department and this is a credit to the commitment made by our students and also the passion and talent within my team of itinerant teachers of Music.

I would like to take this opportunity to thank these amazing specialised music teachers who always inspire and really encourage our students to work to their full potential. We have a high calibre team who include Poulima Salima (Piano & Composition), Evelyn Boyack (Strings&Strings Ensemble), Norman MacFarlane (Brass), Julie Mason (Vocals), Cadzow Cossar (Guitar), Patrick Tanielu (Drums), Anna Cooper & Pearl Huang (Flute & Flute Choir) and Chad Davenport (Clarinet, Saxophone & Concert Band). The fruits of your labour are evident in the students' motivation to commit to ensembles, success in performance assessments and love for all things music. It was sad to depart with Anna Cooper this year as our flautists have really flourished under her guidance! We wish her all the best with her studies overseas. Faafetai lava!

Under the leadership of Chad Davenport, our band programme continues to grow and enjoy many

successes! This year our young band came away with a Bronze award at the KBB Music Festival. James Marriott was also selected to be part of the KBB Honours Jazz Band. The road to KBB wasn't easy and we had many setbacks but our students persevered and really did commit themselves especially with our half day workshops and holiday "camp". They were fortunate enough to work with some amazingly talented mentors including Anna Cooper, Reuben Chin, Do Hee Kim, Antonina Marriott, Norman MacFarlane and Aiono Manu Faaea-Semeatu. It has been a great year for this ensemble with performance opportunities at the Te Atatu library for NZ Music Month, Rutherford Day and Collegiality. We are very fortunate to have Mr Davenport work with our instrumentalists. His knowledge, musicianship and passion for band is reflected in his approach and direction.

A number of our Concert Band members are also involved in the

West City and West City Youth Bands. Jarrod Jackson, Jennifer Cox, Joshua Siaki and James Marriott travelled to Wellington together with the West City Band in August for the NZ Concert Bands Association Festival. They won 1st place winning the Robert Lutt Annual Concert Band Award for Outstanding Festival Band and the Royal New Zealand Navy Band Award. James Marriott picked up a Gold Award in the Solo category! Overall a great experience for our students to compete at a National level and come away with the gold!

Other groups who have filled our department with organised noise this year include the Flute Choir, String Ensemble, Junior and Senior bands. Mr Salima has also been taking Composition workshops with some of our students this year. A huge learning experience for them to be taught by him. Our gaming composers Eddie and Tony Schaufelberger have gained some valuable composition tricks from





him over the year and are working towards some really well developed original material. These workshops will be instrumental in the future for all music students.

Luv Music, Scholars Assembly and Rutherford Day are always a great showcase of talent especially of our senior NCEA musicians. Luv Music was a fantastic evening for all musicians covering a variety of artists and composers. A standout performance for me was by our Japanese International students who sang 'Hana wa Saku' (Flowers Will Bloom). A song produced in support of the 3.11 disaster recovery efforts. The boys performed with so much conviction it was very inspiring! It is always a special evening where we get to pack out the school hall with family and friends and celebrate their hard work.

Students also participated in Collegiality - an all day workshop with an evening concert. Students from Rutherford College, AGGS, De La Salle College, Onehunga High, Wesley College and James Cook High combined for a day and worked collaboratively in musical ensembles. A rewarding experience to make music with students from other schools. Our students were great ambassadors for the school.

Some of the stand out moments for me this year was a surprise visit from one of the country's top drummers Dylan Elise. What an opportunity for our drummers during their lesson to have one of the greats give them instruction and props!

Many thanks to the parents of our musicians for your support over the year last but definitely not least our student musicians - well done for an awesome year of laughs, tears and lots of amazing music making! I look forward to building our department even more in the new year and bringing our choir back! I wish our Year 13 Musos (Jennifer, Jarrod, Keanu, Nichollette, Neru and Corrine) all the best in their future ventures.

Library and Information Commons

By Veronica Collins – Head Librarian

2018 HAS BEEN AN EXCITING YEAR here at the Library and Information Commons, from IT upgrades, great displays, author and special guests visits, collection and spaces redevelopment and most importantly, more and more students coming over to learn and take advantage of our great resources.

This year we upgraded our Library System to AccessIt; this enabled the Rutherford Library and its online resources to be available 24/7 for students and staff. Having full access to the EPIC databases has been a successful and very positive addition to our learning resources. We also joined forces with five Auckland High Schools and now Rutherford College is part of the Ebooks Auckland Consortium. Our students and staff are now able to access this huge digital collection through our E-Platform.

Our reading room has had a well-deserved makeover, we have withdrawn around a thousand books and School Journals that were either in not optimal condition, too old, not used in the last eight years or we had several copies of the same title. The great news is that most of the books and school journals that were taken off the shelves were re homed to staff and students, West Harbour School and Rutherford Primary; we also were able to send lots of these resources to Papua

New Guinea and Samoa. We are very happy that we have been able to help out people and schools in and outside New Zealand and we will be able to keep doing it while the rest of the collection is being redeveloped.

We have had amazing displays in the library this year, thanks to our very creative and talented Senior Library Assistant Ms Wilson. She has created displays that are not only beautiful and relevant, but also are thought provoking.

Probably the most significant display we have had this year is the one about the Holocaust. This year, Rutherford College was honoured to have Vivianne Spiegel talk to us about her survival during the holocaust. After the talk Vivianne came over to the library to have a look at the display, and she was really moved and impressed.

Also, this year we were part of the Storylines National Festival Story Tour, and we were privileged to have NZ author Rachael Crow coming over and speak about her amazing books and her experiences about writing. Rachael's best known books are "The Spark Trilogy".

Lastly, I want to thank the incredible group of Library Monitors we have had this year, they have been very helpful not only to Ms Wilson and myself but also to all the staff and students that visit the Library and Info Commons.

Library Monitors





Cultural Committee

This year the Cultural Committee has had a busy year in the Performing Arts Department. The group is led by Mrs Chandra and Cultural Captains Jennifer Cox and Jarrod Jackson, as well as 12 other devoted students.

The job of the Cultural Committee is to ensure all events for dance, drama, music and culture are run effortlessly, from planning, organising, promoting and advertising the events to catering and coordinating behind the scenes for successful results.

The Cultural Committee started the year off with a very successful FiaFia cultural night proving the importance of heritage and cultural identity. This was followed closely by the annual Polyfest. The standard of performances by students representing Rutherford College was remarkable.

This year the Committee has helped organise performing arts shows: Luv Music, two Studio Shows – ‘Fanfare’ and ‘Revive’, a drama production called ‘Too much punch for Judy’ and a school production ‘Alice in Wonderland’. Students taking part in these shows proved the importance of school-life balance. They also gained confidence and have been encouraged to try new and different things.

Being in the Cultural Committee gave the members a chance and opportunity to explore and grow their knowledge and creativity. Each member

was unique and had different things to contribute. This year we had a mix of dancers, artists, actors, singers, musicians and IT experts on the Committee.

A major event the Committee organises at the busiest time of the year is the incredible Cultural Dinner which celebrates the diverse cultural groups at Rutherford and recognises the invaluable contributions and achievements of our students.

The 2018 Cultural Committee can be extremely proud of its efforts and dedicated work throughout the year.





Cultural Awards

Junior Male performer: Oliver Gracewood

Concert Band, Robotics Nationals, KBB Music Festival, May Music Month, Student Newspaper, Tohea and Philosophy Lounge

Junior Female performer: Arielle Schwalger

Kapa Haka, Studio Show 1 and 2, Christian Group, Open Evening, Junior Sports Council and Exchange Buddy

Senior Female performer: Jayda Butterworth

Kapa Haka, Studio Show 1 and 2, You Dance festival, Drama Production, Year 13 Dance Show, Choreographed a piece for Tempo Dance Festival

Senior Male performer: Keanu Hanson

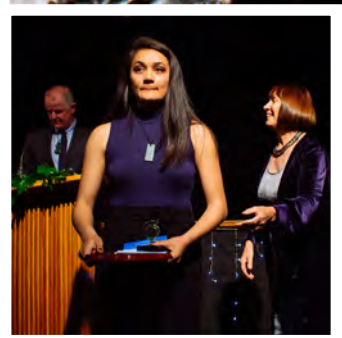
Kaitataki Tane Kapa Haka Leader, Kapa Haka Polyfest Leader, Kapa Haka Nationals Leader

Outstanding contribution: Jess Freeth

Cultural Committee, Studio Show 1 and 2, You Dance Festival, Year 13 Dance Show, Senior Drama Production, Prefect, Kapa Haka, Open Evening, Rutherford Day Performer, Rangeview Student Mentor

Dux Artium: Tiana Maihi

Prefect, Kapa Haka, Student Council, NZQA design for Māori, Designed Koha for Rutherford day, NZQA Ringa Toi, Student Art Exhibition, Kapa Haka Tutor for Freyberg Primary, Designed Koha for Pita Sharples, Rangeview Open Day Expo



2018 Polyfest

*Kia hiwa rā
Kia hiwa rā
Kia hiwa rā ki te
kōnukutanga o te rā
Whakaara rā
Whakaara rā
Whakaara rā te ihu atamai
Te ihu mānea
Kāore ā te ihu
wareware
Māringi noa te
iti kahurangi
Kia hiwa rā
Kia hiwa rā*





2018 Polyfest campaign was a campaign of consolidation. As the rōpu made the line-up for the national competition in Palmerston North in July this year, it was our obligation to prove to everyone that we rightfully belonged in the national line up.

Our campaign started in 2017, naming our kaitātaki wahine Nikita Clarke and our kaitaki tāne Keanu Hansen. We then started the year off with our first practice of 68 students from Rutherford College. From selecting the team of 68 from the first practice, we scaled down to 47 students entering onto the stage. We trained hard with a compilation of 180 hrs of sweat, blood and tears. Utilizing the skills and talent of the tuakana to portray our culture in the best way we can was important to uphold the mana and history of Te Kōtuku to its highest pinnacle.

On the 17th of March 2017, Te kapa haka o Te Kōtuku took the stage performing items such as

- Whakaeke – “Ngā Kawa tapu a Tū”
- Mōteatea – “Ara mai te pō”
- Waiata-ā-ringa – “Hamiora Paniora”
- Poi – “Porourangi te tangata”
- Haka – “Kia mau o ringaringa ki te whao”
- Whakawātea – “Rūruhi ana”

The group exited the stage with tears of joy and smiles all around. The performance gained us 4th place, which was a rightful placing for the national line up. Our obligation was obtained, not just as a performing group, but for the rōpu as a whanau. On that note, without all the hard work of the people behind the scenes, support from staff and school, support from ex-students, the alofa from our Samoan brothers and sisters we would have achieved nothing. E kore e mutu ngā mihi kia kōtou katoa.

Kua tūtuki, kua ea.

Whakataetae ā motu mō ngā kura tuarua

He pou whenua, he puapua
Ko te timatanga te kupu
Ko te Atua te kupu
Ko te Atua nāu te kupu te timatanga
Nāna nei ngā mea katoa

Making the national competition from 2017 Ahurea tinorangatiranga gave us as a whanau six months to fundraise just under \$40,000, write a new bracket of seven items and choreograph it all. This was all done while ensuring students were at school and on top of their school work, organising uniforms, arranging accommodation and transport for the 80 strong team

travelling down for the competition. Everything went smoothly and it was a great opportunity and experience for all but most importantly, our tamariki who, on top of everything, had 180 hours of hard practice to get them to the standard that our group is at now.

The national competition was held in Palmerston North from the 3rd to the 7th of July 2018.

Our performance was based on ngā poropiti Māori (The Māori Prophets) and on the 3rd of July 2018, Te kapa haka o Te Kōtuku rose at 4am to start their preparation for the stage. Te Kapa Haka o Te Kōtuku then entered the stage at 10:50am, performing items such as

- Waiata Tira – “Aperahama Taonui”
- Whakaeke – “Te Ua Haumene”
- Mōteatea – “Te Whiti-o-Rongomai”
- Waiata-ā-ringa – “Wiremu Tahu Pōtiki Rātana”
- Poi – “Te Kooti-Arikirangi te Turuki”
- Haka – “Rua Kēnana”
- Whakawātea – “Pere atū taku pere”

We as a kapa cannot express our thanks enough for all those who helped us on this journey. We are and will forever be thankful for what you and your whanau has done for our kapa day in and day out. Ngā mihi nui kia kōtou katoa.

Kōtuku ka Tōhea
Kōtuku Rerengatahi
Kōtuku Hō!





Samoan Group By Seth Schwalger

Five weeks of learning, five weeks of late practices, five weeks of hard work for 20 minutes of spotlight.

THIS YEAR'S POLYFEST CAMPAIGN is definitely a memory that I will cherish for a long time. I was part of the Samoan group last year and this year has definitely been challenging. Last year we were a much older group and this year we were much younger as many of the 2017 seniors have left.

It took us a while to get going as there was a lot of distractions. Practice till 6pm every night and also a Saturday practice. We were working hard and we would not stop until our campaign was over. There was a lot of bumps along the road but we stuck to it.

I'll be honest I didn't know if our group was going to pull through, but we did. We performed at Fiafia night in front our friends and families and nothing can replace the feeling of making your family proud. We polished and polished for our performance at Polyfest and when we went on stage, we rocked it the only way we could, the 'Rutherford Way'. We performed a Sasa that surprised the crowd and we left our mark. Besides some drama with the judging tent we did our

best. A huge thank you to our tutors for all their time and commitment – Toeoletitooaana Falealili Matafeo, Joash Fahitua , Kerry Taula and Vesi T.

I am proud of our group. I am proud of our school. I am proud to be Samoan. However, we are no longer a group, we are a family. I am grateful for this experience and I wouldn't change a bit.

Don't forget your roots and be proud of where you come from. Tofa soifua.





Indian Group

By Rachel Jeung-Mcintyre

This year Rutherford's Indian dance group formed as soon as school settled in, but we still only had a month to prepare for Polyfest.

THIS MONTH WAS INTENSIVE at times, but very rewarding in the appreciation we gained for the Indian culture and each other. Our five minute performance contained many different

styles of Indian dance and music, from traditional to modern. Our dance opened with the lotus formation, from the spiritual influence of the Goddess Lakshmi, and then we moved out to explore the different parts of Indian culture. Each segment of our dance has music and dance based on a certain Indian subculture including Maharashtrian, Punjabi, and Gujarati, as well as the modern Indian 'disco' culture and the contrast between this and more traditional heritage. Our main aim was to show the way that all the

different styles interweave and thread with one another to form the rich and totally diverse culture of India.

It was fully choreographed and put together by students in the group, with the direction and wisdom of Ms Abraham-Shakoor and Dr Singh.

Every one of us who performed as part of the group this year feels such a sense of community with one another and we all feel grateful to have been a part of something that brought us together through Indian culture.





Sport Highlights

BADMINTON

Rutherford Team 4, Danielle Huggins, Samson Wen, Brandan Tan

Table Tennis Greater Auckland Champion of Champions Team Tournament 2018. Rutherford College qualified being one of the top two teams from the Term 2 C-Grade inter-school competitions played at the Central Auckland, North Harbour and East Auckland venues. Brandan Tan, Samson Wen and Danielle Huggins represented Rutherford College playing four other schools. The Rutherford team beat three schools and so narrowly lost to St Kents 3-4.

HOCKEY BOYS

The boys had an incredible season coming together as a new squad. They narrowly missed out on a gold medal finish when they took on Auckland Grammar in the final. A huge thank you to Mr Simpson and Kathy Hohepa.

SENIOR TOUCH

1st in the Western Zone Senior Competition

What a season it was for our Senior Touch Teams, both teams coming away with the Gold Medal! The mix of experience and raw talent within the teams was nurtured by Mr Gibbons and Ms Lehndorf, who worked alongside the teams. An incredible achievement from two well deserving teams.

DRAGON BOATING

Congratulations to the two teams who competed in the Auckland Secondary Schools Dragon Boating Festival. They trained tirelessly travelling to Westhaven every Monday evening to prepare for the races. Kōtuku Dragons finished 1st in the 500m and 2nd in the 200m sprints. Another highlight of the day was Rutherford College dominating the Chant and finishing 1st.

OPEN GIRLS BASKETBALL

1st in the Open Girls A Central/West Grade

Congratulations to the Open Girls Team who took out Gold in the A Central/West Grade qualifying for the Greater Auckland Championships. The team had a wealth of experience and talent that guided them to the top of the table.

SOFTBALL SENIOR BOYS

The senior boys team had an incredibly successful season finishing 2nd in the Auckland Secondary Schools Competition. They came up against some tough opposition, narrowly losing to Mt Albert Grammar. The team competed at the Softball Nationals placing 5th. Rutherford have been lucky enough to have Mrs Paul on board with her expertise and commitment to the team throughout the years.



U17 RED BASKETBALL

Finished top of their pool, finished 2nd Overall in the U17 B Central/West Grade

The U17 Red Basketball boys had a tough start to the season with a lack of numbers.

After some recruiting, the strong squad of 10 took to the court. Throughout pool play the team managed to defend an unbeaten title in the lead up to the finals. The team came up against some tough opposition throughout the season but the strength and determination of each individual came out on top.

It was their passion combined with the invaluable contribution from coach Dan Fake and manager Mr Cartwright that saw this young team get stronger and stronger every game.

SQUASH

2nd Place in the Open B Grade – Rutherford Girls Team 1

Ms Kopittke has once again produced a very strong group of Squash players with two boys' teams and two girls' teams competing in College Sports Open B Western Competition.

All four teams have done themselves extremely proud with each individual player showing a vast improvement in ability. Both boys' teams have enjoyed an exciting season with a number of junior students joining the sports and proving to be competitive in their grade.

Rutherford Girls 1 comfortably moved into Division 1 after some very successful pool play.

Rutherford Girls 2 have grown from strength to strength throughout the season not only as individuals but as a team.

ATHLETICS CHAMPIONSHIPS

Junior Boys Athletics Champion

Prasan Gurunathan

Junior Girls Athletics Champion

Emily Muspratt

Intermediate Boys Athletics Champion

Matthew Darrah

Intermediate Girls Athletics Champion

Kaila Ru

Seniors Boys Athletics Champion

Nathan Carretier

Seniors Girls Athletics Champion

Mollie Tagaloa

SWIMMING CHAMPIONSHIPS

Junior Boys Swimming Champion:

Andrew Young

Junior Girls Swimming Champion:

Marissa Ogilvie

Intermediate Boys Swimming

Champion: **Jason Clarke**

Intermediate Girls Swimming

Champion: **Eliana Brooking**

Senior Boys Swimming Champion:

Johnnie Richard Marsters

Senior Girls Swimming Champion:

Kirsten Clark



Student Helpers



National Reps



RYAN VERNEY

Member of the New Zealand U17 Men's National Team who will be competing at the OFC Championships in the Solomon Islands.

KAILA RU

Kaila trialled to play for Raiders Volleyball Club and was selected to play for the Women's A team. She was selected to play for North Harbour U17 Women's team who travelled to Wellington to play against all other regions in New Zealand. Kaila's team won their grade and Kaila was named in the Super 7s team as the best middle blocker of the tournament (only seven girls could be named in this from the tournament). Kaila was a member of the U17 New Zealand Woman's team. The team travelled to Thailand for 19 days and played at the South East Asia Princess Cup and the Asian Championship. The team finished 6th in the Championships.



PARIS PICKERING

Paris competed at the Waka Ama Regionals, Nationals and World Championships. She travelled to Tahiti in July to compete at the World Sprint IVF Va'a World Championships. Narrowly missing out on a top three finish, Paris and her team had two 4th finish placing's in the W6 500m Sprints and the W12 500m Sprints.

BROOKE COMPAIN

Brooke Compain is chasing her dream to become BMX New Zealand Number One in her age group. Brooke has competed in the New Zealand Nationals where she was placed 2nd in the 16 girls. Brooke's also competed at the pro class final racing with New Zealand's top world ranking and elite and Oceania champions including Sarah Walker. Brooke was placed 7th and was awarded Waitakere's most consistent rider and top points scorer.



HARRY LOUDON

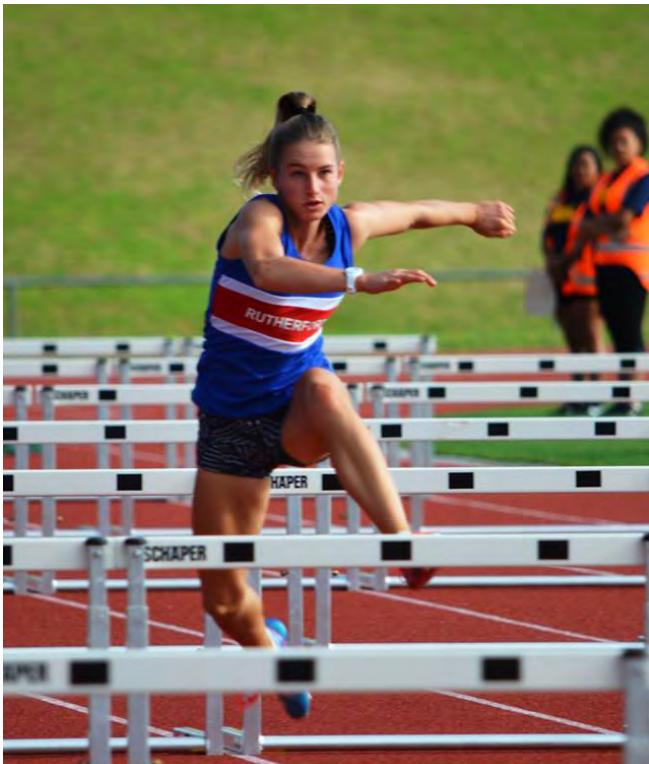
Harry is a member of the New Zealand U19 Baseball Team who will be competing at the World Cup Qualifiers.



ZOE TAYLOR

Zoe has excelled in the Athletics Sporting Field:

- Represented Rutherford at the Western/Central Zone Athletics Championships in the Senior Girls 200m sprint finishing 1st, Senior Girls 100m Hurdles finishing 1st & Senior Girls Long Jump finishing 2nd
- Represented Rutherford at the Auckland Secondary Schools Athletics Championships in the Senior Girls 200m Sprint finishing 1st, Senior Girls 100m Hurdles finishing 1st and Senior Girls Long Jump finishing 2nd
- New Zealand Secondary School Nationals - finalist for 200m Sprint, 300m Hurdles and 100m Hurdles
- New Zealand combined events Nationals - 2nd Heptathlon
- New Zealand Nationals - 3rd 100m Hurdles
- Auckland Combined events - 1st Heptathlon
- North Island School Championships - 2nd 100m Hurdles
- Interprovincial Champs - 1st 400m, 3rd 100m Hurdles
- Auckland Championships (Club) - 200m Sprint 2nd, 1st 100m Hurdles, 2nd High Jump



TJ DEVERY

Member of the NZ U16 residents team. TJ and his team comfortably defeated the Samoan squad in Rotorua.



MOLLIE TAGALOA

Mollie was a member of the Auckland U18 Mixed Touch Team. She was awarded the most valuable player of the winning team. Mollie was also a member of the Maori Touch U17 Girls' team who competed at the Maori Touch Nationals. Due to her level of skill, Mollie was named in the squad to travel to Kuala Lumpur to compete at the Touch Youth World Cup. This was an extremely exciting opportunity that Mollie accepted, committing to a number of training sessions all across the country as well as working on her own personal fitness.



Netball Tour

By Talya-Lee Bainbridge

Tuesday, 17 April was D day for the Queensland Netball Tour group. As soon as all 27 girls and three teachers (Jenny Wilson, Deborah Lehdorf and Gabby McKenzie) met at the airport, energy was buzzing amongst us all.

After having a delayed flight, leading to a late arrival to the Gold Coast, all girls had to get a great sleep to prepare for the theme park filled day to follow. Movie World and Wet'n'Wild held a combination of thrills and relaxation for us all. Day two was our first lot of games against All Saints St Anglican School.

Three great games ended with scores of Senior A winning 26-11, Senior B winning 36-24 and Junior winning 17-14. The next set of games followed the day after and concluded a great day of shopping at Harbour Town. After an hour and a half drive down to Brisbane, the lightning storms caused

a change of venue and we finally arrived at Brigidine College for our second set of matches.

Reduced game times saw our Senior A team draw and the Senior B and Junior teams lose. Our next day started with a beautiful walk through the Brisbane Botanical Gardens, and ended with our professional coaching session with Australian netballers Tracey Bruce and Amanda Sheaffe from Queensland High Performance Netball.

Here we learnt man-on-man defending; something that Kiwis don't typically do. It was such a great experience and we all learnt so much! We have all applied these new skills in the first

couple of games of our winter season back home.

We explored various sights of Brisbane such as the Brisbane Wheel, Mt Coot-tah and Southbank Lagoon. We also participated in an Aboriginal Cultural experience where we were able to learn about culture, how to throw boomerangs (some of us better than others!), do some of our own aboriginal art and learn a dance. After this, we had our rematch with Genesis, whom we played when they came over here for their own netball tour. It was great to see all of the girls again. These games were well contested and resulted in a close loss for our Senior A, a draw for the Senior B and a

loss for our Juniors.

Following that, we had a day at the Koala sanctuary, holding koalas and hand feeding kangaroos! Our final game followed with great results with juniors winning 33-10, Senior 2 winning 20-18 and Senior 1 winning 26-22. We finished off our tour with the Brisbane Anzac Day parade where our patriotism came out when we sang our National Anthem for the Kiwi soldiers as they walked past. On behalf of all the girls, thank you to everyone who made this trip possible whether it was by sponsoring, contributing to fundraisers, the teachers on the trip or the amazing parents who sent us. We really appreciate it all!





Football Champions

The Rutherford College 15th Grade team completed a successful season by beating Westlake Boys' High School on the finals day at Bill McKinley Park in Mt Wellington.

On the journey to this victory, the team scored 22 goals and conceded just 5. At the quarter-final stage the team had to play current national champions, Sacred Heart College, and recorded a comprehensive 3-0 victory. The semi-final did not get any easier with another away fixture versus Auckland Grammar, the biggest boys school in the country. After taking a 2-0 lead, concentration was lost and Grammar took full advantage scoring three times to take the lead.

To the team's credit, they responded positively and got a well-deserved equaliser, and the game went to extra time. At this point, we took

complete control to score three goals without response and book a place in the final with a 6-3 victory.

The first half of the final against Westlake was all Rutherford but a solitary Luka Vlastic strike was all that was to show for that dominance. Westlake were awarded a penalty fairly early in the second half, which they put away comprehensively, and the pressure went on both teams to gain the ascendancy. There were chances at both ends but the balance of play still favoured Rutherford and when a chance fell to Mohammed Mohebbie, he headed in for a 2-1 lead.

We were now able to play from in front and this is where the defensive resilience, which had been developed throughout the season, got to take centre stage. Dylan Hall, Mitchell Callaghan, man of the match

Leo Brodersen and captain Matt Darrah defended as if their lives depended on it. On the one occasion when Westlake got a clear sight of the Goalkeeper, Liam Gilbert pulled out an absolutely stunning save to deny Westlake an equaliser and ultimately guarantee the victory. This is the first time in 25 years, plus that one of the usual five or six schools has won something of this significance in Auckland Secondary School Football. Six of this starting eleven were part of the 2017 European Football tour, that included visits to Real Madrid, Barcelona, Manchester City and Manchester United amongst others. What was learned by the core group during this experience and the early morning trainings and tactical sessions throughout the year have made the difference.

Of course, this result would not be possible without our committed coaches (Coach: Gary Moore, Assistant Coach: Giuseppe Martegani and manager Drew Dunn) who assisted the boys through fitness and on field skills. We are delighted to see the fruits of your efforts pay off.

The full squad for the final is listed below;

- Matt Darrah - Captain
- Liam Gilbert
- Luka Vlastic
- Dylan Hall
- Jason Clarke
- Ryan Verney
- Mitchell Callaghan
- Luke Hewitt
- Lucas Webster
- Ryan Frost
- Mohammed Mohebbie
- Osdeep Singh
- Leo Brodersen
- Nirav Kumar
- Diviam Tailor
- Joshua Shakoor
- Arian Chaudhary



2018 SPORTS AWARDS



**JUNIOR
OUTSTANDING
ACHIEVEMENTS**
Paris Pickering



**JUNIOR
SPORTSWOMEN
OF THE YEAR**
Emily Muspratt



**JUNIOR
SPORTSMAN
OF THE YEAR**
Harrison Chapman



**SERVICE AND
CONTRIBUTION**
Gail Paul



TEAM OF THE YEAR
15th Grade Knock Out Team



**COACH OF
THE YEAR**
Gary Moore



**PRINCIPALS CUP
SPORTS
PERSONALITY**
Laura Robertson



**SENIOR
OUTSTANDING
ACHIEVEMENTS**
Zoe Taylor
Ryan Verney



**SENIOR
SPORTSMAN
OF THE YEAR**
Levi Fifita



**SENIOR
SPORTSWOMAN
OF THE YEAR**
Tayla Harold



DUX LUDORUM
Mollie Tagaloa



Laura Robertson

WHAT A YEAR IT HAS BEEN. This year Matt and I had the honour of being the Sports Captains for 2018. Alongside our sports committee, we have been able to promote sport and encourage students and staff to get active. Over the course of the year, we have introduced new sports such as Ki o Rahi and Quick Rip, while also running lunchtime activities for Year 9 and 10 students. Due to this, the number of students participating in sport has increased significantly. In 2018 Rutherford has had 11 Football teams, 14 Netball teams, and nine Basketball teams just to name a few. I would like to thank the Sports Committee for their tireless effort and the contributions they have made throughout the year.

During my time at Rutherford, I have participated in many areas of sport ranging from Netball, Dragon Boating and Tennis to AFL. Sport has played a major part in my life and over the

years, I have witnessed the amount of talent Rutherford has. Every team, coach, manager and supporter that has encouraged me in some way has had a huge impact on who I am today. We are a community brought together through the love for sport and each year Rutherford grows as a community. I would also like to thank everyone that has put their drive, dedication, and passion into our students to motivate and encourage them to not only be the best athlete they can be but the best people they can be. Without our volunteers, sport would not happen and for this, we appreciate all the time you have sacrificed.

None of this would be possible without the never-ending hard work and effort put in by our sports coordinator Jill, and sports director Gill. All the behind the scenes work you do to make sport run smoothly doesn't go unnoticed. The belief you have for every

student that walks through Rutherford's doors is so inspiring and we are truly thankful for all the work you do.

I take pride in saying I have played sport with the Kōtuku on my chest, and I have full faith that the pride, passion, and love for sport will carry on at Rutherford for many years to come.



Matt Darrah

WHAT AN HONOUR IT HAS BEEN for Laura and I to be Sports Captain this year. This year has been extremely successful for us, in my eyes. Laura and I have enjoyed every moment of this role and always strive for our personal best. Like all good pairs, we have huge amounts of support with key mentions; Gill Bloxham, Jill Edgar and the sports committee. Their passion and commitment have only made this year better; I am forever grateful to them for this.

The start of the year is the most exciting. You have events such as; athletics, swimming sports and special olympics all happening in the



span of a couple of weeks - fair to say a lot of blood, sweat and tears go into this behind the scenes. Personally my favourite sporting event is athletics. To see the whole school dress up in their house colours Tāne Mahuta (Green), Tama-nui-te-rā (Yellow) and Ruaumoko (Red) and come together to perform the haka is special. For myself, athletics offers something more than just winning. A win for me, is watching participants that wouldn't usually participate having a good time. I know this sounds cliché, however for some - athletics is about pushing yourself and getting outside of your comfort

zone. It's great to see this and the smile that comes along with it while they're competing.

Sport is so important for building culture. Every successful sports team ever goes deeper than just the athletes competing on the playing field. You have coaches, managers and most importantly supporters. Coming together to try achieve one common goal. While this is happening when you don't even know, culture is being built. Getting the small things right will allow the greater things to come. You can gain so much from sport. You can build bonds and memories that will last you a lifetime, and that's what sports are about.

I encourage everyone at Rutherford to always give something a go. It can always lead to bigger things depending how YOU act upon the opportunity.



STAFF

Senior Leadership Team

Mr Gary Moore	Principal	BCom, DipTchg, DipSenMgmt
Ms Judy Farrar	Associate Principal	BA, DipTchg
Mr Bryce Wills	Deputy Principal	BEd, DipTchg
Ms Moira Kopittke	Deputy Principal	BSc, DipEdMgmt
Mr Carl Gibbons	Deputy Principal	BHSC (Physiotherapy), DipTchg
Mrs Miriam Sprague	Director International Students	T Dip PS, IPS, DipTchg

Curriculum Leaders

Mr Simon Ferguson	HOF English	MA, DipTchg
Ms Adeline Hsiao	HOF International Languages	MA (TESOL), BA (Japanese), DipTchg
Mr Adam Simpson	HOF Social Sciences	BSc, DipTchg
Mr Steve Shaw	HOF Arts Faculty	DipTchg
Mr Tony Stanton	HOF Mathematics	BSc, DipTchg
Mr Huw Thomas	HOF Science	BSc (Hons), DipTchg
Mr Mark Thompson	HOF Technology	NZCD (Arch), DipTechEd, DipTchg
Mrs Jenny Wilson	HOF Physical Education/Health	BSR, DipTchg

Deans

Mrs Lee-Anne Taylor	Director of Deans, Assistant HOF Mathematics (acting)	MEdMgt (Hons), DipMathsEd
Mrs Fiona Bridges	Dean Year 9, CoL Across Schools	BSc, DipTchg
Miss Rosie Simpson	Dean Year 10	BSport, DipEd, Dip Science & Sport Mgmt
Miss Lindy Cumming	Dean Year 11	BA (Hons), DipTchg
Mr Drew Dunn	Dean Year 12	BPhEd
Mr Darren White	Dean Year 13, TIC Classical Studies	BA (Hons), DipTchg, PGCE
Mrs Julie Sibthorpe	Dean International Students	DipPE, DipTchg, GradDipTESOL
Mrs Jeanette Reid	Dean Adult Students, HOD Careers	NDBE, Dip Tchg, Grad Cert in Career Develop, NZDip Specialist Subjects (Sec)

Teaching Staff

Ms Annie Abraham-Shakoor	TIC Junior English	MA, BEd
Mrs Nicola Adams	Science/ Biology	BSc, DipTchg, PGCertEdLM
Mr Willow Allison-Maxwell	Science/TIC Philosophy	BSc/BA (conjoint), DipTchg
Ms Rebecca Ball	English	BA, DipTchg
Ms Laura Bakker	Asst HOF Social Science	BSc, DipTchg
Ms Gayle Balogh	TIC Commerce	Advanced Commerce Teacher's Dip, NZDip Specialist Subjects (Sec)
Mrs Molly Barsdell	Fabric Tech/ Food Tech	BEd, DipTchg
Mrs Katie Betanzo	Asst HOF English/TIC Media/CoL Within School	BCS, DipTchg
Mr Johnny Brar	Mathematics	BSc, DipTchg



Ms Chris Brehmer	Guidance	BA, DipTchg, PGDipCouns
Ms Robyn Butler Shaw	HOD LEAP/TIC Biology	JP, BSc, DipTchg
Mr Tyronne Calvert	Commerce/Student Assessment Manager	MCom, BEd
Mr Rory Carroll-Maher	History, Classics	BA, DipTchg
Mr Charles Cartwright	Science, Chemistry	BSc, DipTchg
Mr Greg Chalmers	HOD Tūrangawaewae	BEEd, (Teaching Specialisation) Dip Tchg
Ms Megumi Chiba	Japanese	MA(TESSOL) Dip Tchg, BA(Linguistics)
Ms Saffron Conde	HOD LEAP/SENCO/English, CoL Across Schools	BA, DipTESSOL, DipEdPsych, DipTchg
Mr Simon Collier	TIC History/Social Studies	BA, DipTchg
Mr Cameron Dempsey	Technology	Adv T, DipTchg
Mrs Jacqui Reid	Art	BFA,DipTchg, BA (Hon Art History)MA (First Class Hons Art History)
Mr Robert Doak	TIC Outdoor Education/PE/Health	BRecEd, DipTchg
Mr Andrew Dodds	Technology	BSc (Hons) Design & Tech with QTS
Miss Perri Exeter	TIC Dance, CoL Within School	BPSA (Dance), Dip Tchg
Mr William Flavell	HOD Māori	MEd (Hons), BTchg, BA (Japanese/Māori), PGDipEd
Mrs Linda Fraser	English	MEd (Hons)
Ms Ana Gerzic	HOD ESOL	MA (Hons) (Applied Linguistics), BA (Hons), DipTchg
Mr Kevin Gilmore	TIC Digital Technology	BSc (Computing), PGCertEd (ICT)
Mrs Annette Goulding	Science, Biology, CoL Within School	BSc (Biology/Psychology), DipTchg
Mr Puru Gopal	Mathematics	MBA, MSc, DipTchg
Mr Kevin Greaney	Technology Hard Materials	BA (Hons) (Humanities), DipTchg
Ms Fionna Halliday	English	MA (Hons) (Linguistics), DipTchg
Mrs Deborah Hatcher	English	BA, DipTchg, Dip Anthropology
Ms Donna Hutton	HOD Tūrangawaewae (Term 1)	MEdAdmin (Hons), BEEd, DipSEd, DipTchg
Mr Peter Jefferies	Skills Pathways/Maths	BEEd (Hons)
Mr Graham Johnson	Director of Guidance & Student Support	BEEd, PGDipCouns, PGDipEdAdmin, PGDipTchg, PGDipT.O.D., PGDipA.O.D
Mrs Alison Jones	Food Technology	DipTchg, Home Economics
Ms Bridgette Kimura	English	BA, DipTchg
Ms Deborah Lehndorf	PE/Health	BPhEd
Mrs Elizabeth Lim	Mathematics	ME, DipTchg
Miss Heidi Liu	Mathematics /Physics	BSc, DipTchg
Mrs Karina Lupton	TIC Hospitality and Early Childhood (on Leave)	Higher Dip in Tchg, NZ Dip Specialist Subjects (Sec)
Miss Gabrielle McKenzie	Geography, Travel, Social Studies	BSc, BA, DipTchg
Ms Kathryn Malloy	TIC Food/Hospitality	BSc, DipTchg
Mr Fatmir Mani	Mathematics	BA, DipTchg
Mr Nathan Matai'a	PE/Health	BSc, DipTchg
Mr Michael Nola	Mathematics	
Miss Emma O'Flynn	Science/ Physics	BSc, DipTchg
Mrs Gail Paul	TIC Skill Pathways/Mathematics	BEEd (Hons)
Mr Phillip Place	TIC Engineering/Technology, CoL Within School	BEngTech, PGCert Applied Practice



STAFF

Mrs Swasti Prasad	Chemistry/Science	BSc (Chemistry/Biology), DipTchg
Mrs Shirley Ratima	Info Tech /Comp Applications	T Dip T, IPS, DipTchg, NZDip in Specialist Subjects
Mr Jeff Ruha	Mahi-a-Toi, Māori	BMPA
Ms Petra Scheffer-Cosslett	TIC German	BA (Hons), DipTchg
Ms Carolyn Shaw	Visual Art and Design	BA (Hons)
Mr Jeff Silby	Science/Biology, TIC Science	BSc, DipTchg
Dr Asha Singh	Science/Biology/Specialist Classroom Teacher	EdD, MEdAdmin, BSc, DipTchg
Mrs Kelleigh Stanton	Mathematics	BA, DipTchg
Ms Oxana Stretton	ESOL	
Mr Fa'avesi Talamaivao	Pasifika Development Liaison	BEEd, DipTchg
Mrs Kerry Taula	TIC Music	BA, DipTchg
Mrs Maxine Tipa	Social Studies/Travel/Gateway	BA, DipTchg
Mr David Wade	TIC Chemistry/Science, Assistant HOF Science	BSc, DipTchg
Mr Caleb Webb	English	BA, DipTchg
Ms Raewyn Westaway	English	BA, TTC
Mr Blair White	Asst HOF PE/TIC Health/Col Within School	BEEd
Mrs Joanna Wilkinson	Early childhood/Food Technology	BEEd, DipTchg
Ms Tania Wilson	TIC Drama	BA, DipTchg

Non Teaching Staff

Ms Judith Copas	Executive Officer	
Mrs Rachel Hale	Principal's PA	
Mr Bret Carman	Property Manager	
Ms Tarryn Anderson	Administration Assistant	
Ms Elena Antipova	Speech Language Therapist/ T?rangawaewae	
Ms Michelle Arnold	LEAP Teacher Aide	
Ms Ana Aramoana	LEAP Teacher Aide	
Mrs Lynda Bennett	Staffroom & Admin Support	
Mrs Kimberly Bethell	Administrative Assistant International	
Mrs Trish Bettridge	Science Technician	
Miss Gillian Bloxham	Sports Activator Manager	
Mrs Alyssa Brown	LEAP Teacher Aide	
Mrs Maureen Brown	Tūrangawaewae	
Ms Andrea Cameron	Director of Community Education	
Mrs Linda Cavanagh	Resource Manager	
Mrs Eve Chandra	Cultural Coordinator	
Ms Veronica Collins	Head of Info Commons	BM & Master of Information Studies
Mrs Jan Darke	Resource Manager (Retired)	
Mr Paul Dovey	Groundsperson	
Ms Jill Edgar	Sports Coordinator	
Mrs Sithara Fernando	IT Systems Engineer (Maternity Leave)	BSc, GDipANE
Mrs Helen Fullerton	English Resources/Social Sciences Resources	



Mrs Sue Hackshaw	Accounts Payable	
Mrs Miriam Hilliard	Accounts Receivable	
Mrs Jo Huggins	Maths Support	
Mr Brandon Janssen	IT Systems Engineer	
Ms Sharon Keeley	Tūrangawaewae	
Ms Kesi Koloni	LEAP Teacher Aide	
Mrs Sonia Lakeman	Receptionist	
Mrs Grace Luong	ESOL Aide	
Ms Charmaine Mailley	Tūrangawaewae	
Miss Bonnie Mcknight	Groundsperson /Community Education	
Mrs Clare Molloy	Occupational Therapist/ Tūrangawaewae	
Mr Neil Martin	Technology Support	
Mrs Wahine McCarthy	Gateway Administrator/ AWVA Administrator	
Mrs Beverley MacKenzie	Shop Manager	
Ms Materoa Moses	LEAP Teacher Aide	
Ms Emma Northway	School Nurse (on maternity leave)	RN
Miss Nicole Otto	Food Technician	
Miss Cathy Ryan	Careers Assistant	Dip Career Guidance
Mrs Jane Sadler	Data Manager	
Ms Tania Scahill	Relief School Nurse	
Mr Tre-Stylz Te Awa	Community Education	
Ms Ellen Jane Waetford	Attendance Officer	
Ms Delwyn White	Tūrangawaewae	
Ms Claire Wihongi	Physiotherapist/ Tūrangawaewae	
Ms Linda Wilson	Library Assistant	
Mrs Karen Wolfgramm	Resource Assistant	
Mrs Terri Wright	Community Education	
Mrs Sang A Yoon	Community Education	

BOT

Mrs Kate Gohar	Chairperson
Mr Jeremy Tunks	Deputy Chairperson
Mr Gary Moore	Principal
Ms Amanda Bennett	Board Member
Mrs Sera Schwalger	Board Member
Mr Faga Siaki	Board member
Mr Simon Collier	Staff Trustee
Mrs Donna Johnston	Co-opted member
Mr Chris Larking	Co-opted member
Josh Manning	Student Representative 2017/2018
Elijah Gibson	Student Representative 2018/2019



LEAVERS' FAREWELL MESSAGES

