

Queen Margaret CALLING



Issue 58 - February 2017



From the Principal

As we embark on what is QMC's 98th year, I warmly welcome all of our new students and their families to the QMC community, both local and international, and hope that your time at the College is successful in every respect. Who knows what lies ahead for 2017 but at the start of a new school year there is a sense of eager anticipation of the exciting range of opportunities available for our students. This edition of QMC Calling foreshadows this as we profile new staff and our student leaders led by Head and Deputy Prefects, Georgia Taylor and Olivia Watson.

We also feature recent College achievements, including the outstanding 2016 examination results. Particularly noteworthy is the consistency in these over time with all Year 13 IB Diploma students gaining the qualification as has been the case for the past six years and, for NCEA, yet again a hundred percent pass rate for Level 3. On closer analysis of our leavers' achievements, I celebrate that our young women are embracing a range of subjects including the Arts and also Science and Mathematics with 83 percent and 94 percent of Year 13 respectively taking these courses, which are so essential for the future in our modern, technologically-driven workplace. It is gratifying when you see our students taking on academic challenges such as last Year's IB Diploma Dux, Charlotte Hollywood, who chose to study Mathematics at Higher Level, a course that equates with a challenging undergraduate level, and was rewarded with a superb

result.

I was reminded of this achievement when I recently watched the highly-rated movie, *Hidden Figures*. Without spoiling the plot, it is the true story of three

black American women who were outstanding mathematicians and their remarkable and, until recently, largely unknown contribution they made to the NASA programme in the 1960's and 70's. The film resonated with me because of the messages of resilience, innovation and strength of character that all our girls need throughout their education and beyond.

At the Leaders' Commissioning Service, the Head Prefect announced the year's theme which will guide the programme of activities organised by our student leaders. It is *Flourish*, a word derived from the Latin word *Florere* meaning to bloom. Defined by the dictionary in a number of positive ways: to thrive in growth; to be successful; to prosper and to be in a vigorous state, it is an inspired choice.

Carol Craymer



IB Diploma Dux, Charlotte Hollywood and 2016 Head Prefect, Shweta Iyer with their proud mothers and the Governor General, Dame Patsy Reddy, at the Top Scholars' Award Ceremony at Government House in Auckland

From the Board

I am delighted to be taking over the role of Board Chair and would like to take this opportunity to thank my predecessor, Paul Foley, for his nine years of service to Queen Margaret College. It has been a period of considerable change and growth for the College and we are grateful for his time, expertise and wisdom.

I welcome everyone back to school after which I hope was a relaxing break spent with family and friends. Congratulations to all students on their outstanding examination results, which makes for a positive start in 2017. I also warmly welcome all our new students and their families to the school community. I can assure you that you have made the right decision and you have plenty to look forward to during your time with us. An exciting year of leadership awaits our Year 13 students, and in particular Head and Deputy Head Prefects, Georgia and Olivia. Leadership presents a challenging and rewarding opportunity and I am sure you will embrace and grow through the highs and lows during the year.

After a rather dismal summer, the playground development has been delayed and will open at the beginning of Term 2. The area will be transformed into a leafy, recreational space with a modern state-of-the-art playground. Queen Margaret House, the boarding facility due to open in 2018, has also been impacted by the weather but we remain on schedule. The foundations are nearly complete and the building is beginning to take shape. It is a very exciting time as Queen Margaret College will be the only girls' school in Wellington offering such accommodation to its students.

Many of you will already know that our Principal, Carol Craymer, recently advised the Board of her decision to retire from the education sector and as such, is resigning at the end of Term 2. Carol



Andrew Knight with his daughter Isabel Knight

has led our school for over thirteen years and overseen significant changes. I note in particular the implementation of all three International Baccalaureate programmes, the enhancement of the extracurricular offering, consistently outstanding examination results, and the ongoing development of quality school facilities. Our College is now the largest independent girls' school in Wellington and, with the combination of a team of committed staff, a strong leadership team, the ongoing development of the school and a culture based on a passion for learning, we provide our girls with exceptional opportunities.

We have commenced a search process for a new principal and I am confident that the opportunity to join one of New Zealand's leading girls' schools will attract high calibre candidates. We will come together to farewell Carol during Term 2 to recognise her much valued contribution to the College. However, I would like to take this opportunity now to thank Carol for her exemplary service to the girls of Queen Margaret College and the broader College community.

Andrew Knight



Andrew Knight



An artist's impression of Queen Margaret House

Queen Margaret CALLING

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PRE-SCHOOL FUN TERM 1



Queen Margaret House: Opening 2018

From 2018, Queen Margaret College will provide onsite student accommodation for girls Year 9 to 13 in the purpose built hostel, Queen Margaret House.

To enrol, visit qmc.school.nz

Student Leaders 2017

Head Prefect: *Georgia Taylor*
Deputy Head Prefect: *Olivia Watson*
Sports Prefect (Secondary): *Grace McLean*
Sports Prefect (Primary): *Estelle Macadre*
Drama Prefect: *Ottillie Bleackley*
Music Prefect: *Megan Prentice*
Year 10 Prefect: *Estella Wong*
Year 9 Prefect: *Keeley Farrell*
Year 8 Prefect: *Madeleine Robinson*
Year 7 Prefect: *Isabella Stewart*

Junior School Prefect: *Stephanie Cheevers*
International Prefect: *Sonesavanh Phouphayly*
Hobson Prefect: *Mira Karunanidhi*
QUOTS Prefect: *Drew Welsby*

Stirling House Prefects: *Lauren Taylor, Stacey Leong*
Braemar House Prefects: *Erica Wang, Rosaria Murray*
Berwick House Prefects: *Sarah Findlay, Caroline Lyons*
Lochleven House Prefects: *Ha Young Bae, Avia Murray*
Glamis House Prefects: *Lucy Heaton, Meg Vogel*

Year 10 House Leaders
Berwick: *Brooke Raitt*
Braemar: *Lucia Hodge*
Glamis: *Krati Awashti*
Lochleven: *Phoebe Wood*
Stirling: *Ella Wilson*

Year 8 House Leaders
Berwick: *Emily Garratt*
Braemar: *Josephine Florentine*
Glamis: *Hannah McCadden*
Lochleven: *Pippa Nicol*
Stirling: *Maddison Hrstitch*

Year 6 House Leaders
Berwick: *Amelia Taylor*
Braemar: *Divya Srinivasa*
Glamis: *Charlotte-Jane Mears*
Lochleven: *Jaskiran Rahi and Zamantha Robinson*
Stirling: *Sophie Power*



2016 ACADEMIC SUCCESS

NEW ZEALAND SCHOLARSHIP



Morgan Bole
English, Geography



Ruby Chappell
Technology



Josephine Dixon
English



Katie Harford
English



Charlotte Hollywood
English, Statistics



Katherine Lopez
Music



Ashlee Maguire
Physical Education



Tigerlily Mathieson
Photography



Clare McDonald
English



Rachel Ngan Kee
English



Jaime O'Sullivan
Biology, English



Ava Penny
Painting, Photography



Matisse Ululelata
Physical Education

IB DIPLOMA 40 AND ABOVE



Charlotte Hollywood
Score of 41



Shweta Iyer
Score of 40

DUAL QUALIFICATION RESULTS

IB Diploma	QMC Results November 2016	NZ Results November 2016	Global Results November 2016	Global Results from May & Nov 2016 examinations totals
Number of Candidates	35	370	14,071	163,517
Students awarded the IB Diploma	100%	93%	70%	78%
Average points achieved (from possible 45)	34.3	33.6	29.2	30
Students awarded NZ University Entrance	100%	N/A	N/A	N/A

NCEA	Results
Level 1	99%
Level 2	100%
Level 3	100%

FURTHER ACADEMIC SUCCESSES

IB Diploma 7 in a subject, or A in Theory of Knowledge (TOK) or Extended Essay (EE)

Nicole Bewley: Extended Essay in Biology, Mathematical Studies
 Ella Bonnett: Extended Essay in Psychology
 Annabelle Bruynel: Mathematics
 Hannah Chapman: Spanish ab initio
 Charlotte Hollywood: French B, Chemistry, Biology
 Shweta Iyer: French B, Physics
 Rachel Kemp Whimp: Extended Essay in English
 Madeleine Knowles: Environmental Systems and Societies
 Jessica MacPherson: Theory of Knowledge
 Clare McDonald: Extended Essay in English, Theory of Knowledge
 Sophie McLaren: French B
 Jennika Patel: Extended Essay in English A, Physics, Theory of Knowledge
 Georgiana Pay: Extended Essay in English
 Brittany Phillips: Mathematical Studies
 Sarah Ross: Mathematical Studies, Theatre, Theory of Knowledge
 Izabella Smolnicki: Business Management
 Olivia Treacey: Extended Essay in Visual Arts
 Vemon Wei: Extended Essay in Chinese A

NCEA Level 3 with Excellence

Josephine Dixon
 Rachel Ngan Kee
 Jaime O'Sullivan
 Emma Stewart
 Lily Tew
 Matisse Uluilalata
 Phoebe van Boheemen

NCEA Level 2 with Excellence

Grace Beedell
 Ottilie Bleackley
 Phoebe Ellis
 Keeley Farrell
 Sarah Findlay
 Samara Harvey-Lawn
 Caroline Kay
 Stacey Leong
 Caitlin MacArthur
 Grace McLean
 Isabella Moon
 Avia Murray
 Rosaria Murray
 Saffron Nemet-Sargent
 Megan Prentice
 Meg Vogel

Erica Wang
 Olivia Watson
 Drew Welsby
 Caitlin Wong

NCEA Level 1 with Excellence

Claudia Adamson
 Tiwana-Marie Aiono
 Siena Ash
 Charlotte Barber
 Prajna Baskar
 Sandie Beecroft
 Jasmine Bhula
 Kate Bolton
 Greta Brown
 Heloise Cantin-Gilmore
 Piper Clare
 Rebecca Clowes
 Tamsin Cooper
 Katherine Daley
 Florence Dixon
 Rosie Dossor
 Flaminia Draper
 Farida Elwassimy
 Clara Evans

Henrietta Fisher
 Amy Flynn
 Jessica Fromow
 Victoria Hill
 Zoe Johnston
 Antonia King
 Annalise Kruger
 Chloe Nicholson
 Molly Nicholson
 Caitlin Piepke
 Emily Register
 Stephanie Rumbal
 Ilena Shadbolt
 Bridie Sheedy
 Shekouh Laura
 Jessica Soderberg
 Madeline Stewart
 Phoebe Telfar
 Gabriella Turner
 Mia Uluilalata
 Isabella Westerhuis
 Meg Wilson
 Grace Wynne
 Emily Young
 Stella Zhang

SUCCESS FOR YOUNG TECH ENTHUSIASTS

For the second year in a row Queen Margaret College has impressed judges at the regional EPro8 Challenge.

The EPro8 Challenge is a nation-wide engineering and problem solving competition for students from Year 5 – 10.

Teams from nearly 700 schools around New Zealand competed in the Challenge by solving problems using practical mathematics, physics and engineering principles.

Queen Margaret College entered two teams into the first regional heats, which were held at Kelburn Normal School in October.

The event was a great success, with the QMC Nuts and Bolts (Fotene Yiappos, Isabel McAslan, Kathryn Hollywood, Sasha Gunn) placing second and qualifying for the regional semi-finals.

“We were surprised to come second, especially because some of the other teams were pretty amazing,” Sasha says.

Our second team, QMC Bright Sparks (Anna Leatherby, Beatrice Fordham Duncan, Iris Ma) also did well, placing eighth in its category.

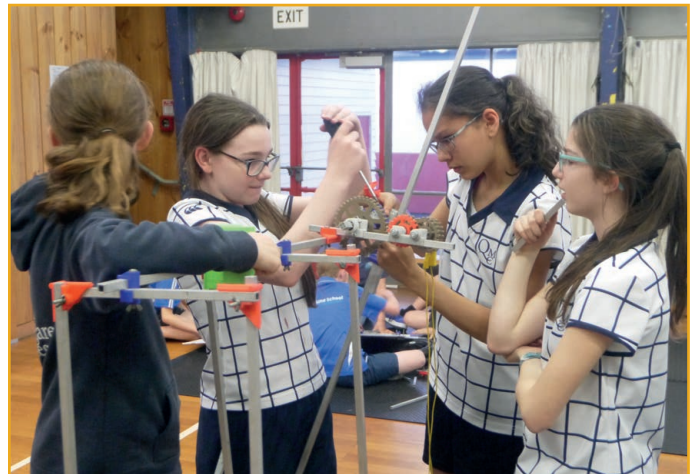
Each team of four was based at a workstation containing an array of equipment, including gears, wheels, pulleys, electronics and tools, which they had to use to complete as many challenges as possible in a two and a half hour time frame.

One of the challenges for the QMC Nuts and Bolts was to construct a free standing bridge according to specifications, including working traffic lights and a vehicle that could go over it.

“It took a lot of trial and error. In the end we built a suspension bridge,” Sasha Gunn explains.



QMC Nuts and Bolts tackling the EPro8 Challenge



QMC Nuts and Bolts in the middle of construction

For the second challenge, the girls made a laser point with a torch and magnifying glass.

In the regional semi-finals in November, the QMC Nuts and Bolts faced a whole set of new challenges, covering more aspects of engineering, physics and practical mathematics.

The girls did extremely well and came a respectable seventh place.

“It was fun, we have zero regrets and would definitely do it again if we could,” Kathryn Hollywood says.

Queen Margaret College presents

Beauty and the Beast

Wednesday April 5 to Saturday April 8
visit www.qmc.school.nz for more details



STUDENT WELL-BEING

The opening of our new Health Centre has greatly complemented the College Pastoral Care Programme.

The new and improved Health Centre houses both our onsite Nurse and Guidance Counsellor, and offers support to our students in a safe and positive environment.

Our Guidance Counsellor Nicky Depree has a Diploma of Teaching and a Masters in Counselling from Massey University and specialises in adolescent mental health.

As a counsellor, Nicky has worked both in schools and universities, as well as in her own practice. She also has experience working as a teacher and as a consultant on the Health Curriculum.

“I work from a positive empowerment model to encourage people to overcome their difficulties in a respectful and trustworthy manner,” Nicky says.

“I like to focus on preventative aspects of wellbeing so running workshops and lessons in communication and relationships, mediation and conflict resolution and gender issues are all important parts of my role.”

Nicky is looking forward to making the Health Centre a focus for well-being and support working alongside nurse Jane Humphries.

Jane, who is also an Old Girl, completed a Diploma of Nursing at the Wellington Polytechnic.

She has experience working in hospitals in a variety of areas, including Accident and Emergency, Cardiac Care and Paediatrics. Jane has also worked as a nurse for schools and in a general practice.

“Our new Health Centre is a busy place – we love seeing the girls and are here for any medical issues that may arise, both physical and emotional,” Jane says.

“This year I am hoping the girls will feel comfortable to come to the Health Centre and know it is a safe place where they will be treated in a confidential, non-judgemental manner.”



Nurse Jane Humphries and Guidance Counsellor Nicky Depree in the new Health Centre

WOWED BY DESIGN

Recent school leaver Sophie Lawler was awarded first place in the Open Wearable Arts Category of the HETTANZ Fashion Awards 2016 last year.

The HETTANZ Fashion Awards celebrate the work of secondary school students in fashion and garment construction.

The Awards received a record number of high standard entries in 2016, according to HETTANZ President Sarah Wirth.

Sophie won first place for her WOW (World of Wearable Art) Te Papa window display, which she made as part of the College's NCEA Level 3 Materials Technology course.

“I had entered the competition with no expectations so to find out that I had actually won was an awesome feeling,” Sophie says.

“I am very proud that all the hard work paid off.”

Her original design was inspired by exhibits (a vase, a dress, a kina and a doll) from the Te Papa Museum collection.

“One of the challenges of making my dress was putting plastic flowers over the whole garment - It may not look like a lot but I made just under 1000 plastic flowers,” Sophie explains.



Sophie Lawler using her new overlocker

“This took an extremely long time and I spent most of my holidays making them.”

As part of the award, Sophie won a Bernina overlocker.

“I am thrilled to have won an overlocker, which will be put to good use,” she says.

Sophie has recently begun a Bachelor of Commerce at the University of Otago.

NEW YEAR, NEW FACES

We welcome several new appointments to our senior teaching staff this year. They each bring a wealth of experience in their respective subject fields and a passion for teaching that will certainly be an asset to the College.

Introducing HOD Humanities Nadine Allen

Even as a young child, Nadine knew she wanted to become a teacher.

“I was always playing ‘schools’ and probably had the best educated teddies and dolls in the area,” she says.

Nadine studied a Bachelor of Arts at the University of Canterbury, majoring in History and Political Science before completing a Teaching Diploma at Christchurch Teachers’ College.

She loves teaching History and Humanities because it helps students build the skills needed to be life-long learners and responsible global citizens.

“We spend a lot of time analysing the reliability of sources, which is very important in this age of ‘fake news,’” Nadine says.

“Exploring different cultures and the world around us also helps develop empathy and kindness.”

Her first teaching position was at Wanganui High School for three years before accepting a position at St Margaret’s College where she taught for fifteen years. As part of an OE, Nadine also taught in Coventry in



HOD Humanities Nadine Allen

the UK for six months.

Nadine will be teaching Humanities and History this year and is excited to become part of the QMC community.

“As an historian, I am also excited about being so close to where a lot of history has been made and I hope to make the most of the resources that are close to the school and exploring learning outside the classroom,” Nadine says.

Introducing HOD Physical Education and Health Tarron Duffill

Tarron became a teacher because she wanted to be a positive influence for students, just like her own teachers.

“They taught me how to use the skills I was given, taught me how to be confident and handle the challenges that came my way. I wanted to spend my time giving back to those around me and influence the next generation in a positive way.”

Tarron studied at the University of Auckland completing a Bachelor of Health and Physical Education.

She believes each and every student is an important individual.

“I strive to make a positive difference in my student’s lives through differentiated teaching.”

Her teaching philosophy is summed up by this whakatauki.

‘He aha te mea nui o te ao? He tangata, he tangata, he tangata!’ What is the most important thing in the world? It is people, it is people, it is people!’

She became a homeroom teacher after graduating university before becoming Head of Health and eventually Year 13 Dean at Whangaparaoa College.

“This was an extremely rewarding position because I



HOD Physical Education and Health Tarron Duffill

was able to have an impact in my students’ lives.”

This year Tarron is planning to ensure her programmes are exciting, engaging and meet the needs of her students.

“The best piece of advice I have been given was that hard work beats talent when talent doesn’t work hard enough,” she says.

“I want to make sure that we are teaching our students to meet challenges head on and to never give up.”

Introducing HOD Science Felix Olsson

Felix was initially drawn to teaching by a desire to share his love for his favourite subjects, Physics and English.

“I thought it would be fun to introduce others to the many fascinating aspects of the subjects,” Felix says.

“Since becoming a teacher I have discovered that teaching itself – pedagogy and the ‘how’ of teaching and learning – is equally as fascinating.”

Felix studied Physics, Mathematics, English and German at the University of Auckland, during which he completed a Masters in English.

After travelling and working for a few years, he returned to do a Postgraduate Diploma in Teaching.

Felix believes it is important that each student is actively involved in the ideas that are being discussed in the classroom.

“I think practical applications of ideas in physics and science are the best way to learn them and that critical, open discussion of these ideas are the best way to process them.”

Felix started his teaching career at Wellington High

School in 2008 before going on to work at St Cuthbert’s College and Kristin School in Auckland.

Now he has returned to Wellington, he is looking forward to leading the Science Department and teaching Physics, Science and Theory of Knowledge.

“Every year of teaching has become more interesting than the last, and I am looking forward to the challenges and learning that comes with joining a new school,” Felix says.



HOD Science Felix Olsson

Introducing Director of College Operations Alison Stevens

Alison will be a familiar face for many at Queen Margaret College in her former role as HOD Science. This year she has been appointed to the role of Director of College Operations, a new challenge she is excited to tackle.



Director of College Operations Alison Stevens

Alison completed a Bachelor of Science with Honours and a PHD in Microbiology at Leeds University in the U.K.

After working as a research scientist for ten years and taking some time out to be a full time mother, she was ready to do something different.

“My passion has always been Science so teaching seemed a great way I could pass on some of that passion to others,” Alison says.

She completed a Graduate Diploma of Secondary Teaching at Victoria University, Wellington and taught at Scots College before coming to Queen Margaret College.

Alison believes it is important to take students on a journey of learning because they need to see why it is relevant and how it is related to what they already know or understand.

“Science is about explaining how the world works so you can always find some way to make what you are teaching relevant,” she says.

Alison, who will also teach senior Biology this year, is looking forward to the challenges of her new position.

“This job is incredibly varied with my responsibilities spanning across the whole school. One of my goals is to help ensure that systems are in place so that the school runs efficiently and effectively, therefore allowing teachers to focus on their main jobs of teaching.”

SCIENCE MEETS DESIGN

At each year level of the Middle School Programme, students take part in an interdisciplinary study. In Term 4, the Year 10 cohort took part in a Science and Design Technology Challenge in which students had to create a self-powered vehicle prototype solution.

As part of the challenge, students worked in teams of four to design, plan and construct their solution and then individually presented a digital SWAY document to record their findings.

The vehicles had to be self-powered, partially constructed using a laser cutter, contain gears/pulleys/levers and fit within a box.

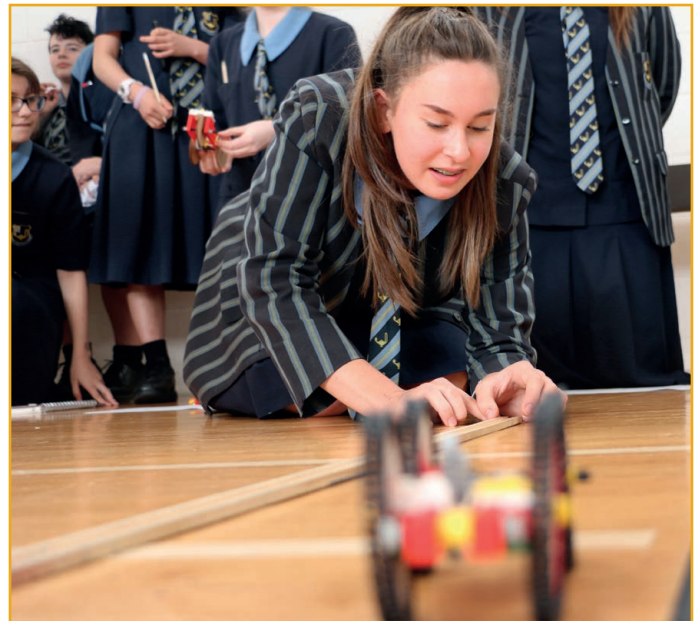
In their SWAY reports the girls had to show their progress from design to testing construction, science and design technology knowledge explanations and a reflection.

Student Ellie Burns and her group struggled to get their vehicle to move and by lunchtime, they needed a miracle.

“So we decided to scale down, this time drawing out our design rather than jumping straight in,” Ellie says.

“We used one rubber band, a few Lego pieces to join the wheels on and a gear which helped turn the wheels giving it enough potential energy to convert into kinetic energy driving the vehicle forward.”

Eden Woodrow and her group were very successful taking first place in the competition with an average distance of 10.23 metres after three tests.



Lucy Poole tests out her vehicle

“Our final design used three gears to decrease the force needed to turn the back wheels and to turn them at a faster speed,” Eden says.

“The model relied on elastic potential energy generated by an elastic band stretched from above the front wheel and wound around a peg that turns the gears when tension is removed from the rubbish band.”

Eden says science and design knowledge were essential throughout the process of creating their self-powered vehicle solution.

“Both were important to create a vehicle solution and maximize the distance the vehicle went.”

FUTURE LEADERS

Bethany Kaye-Blake was one of the lucky few students to be selected for the Te Pōkai Ao - Silicon Valley Boot Camp, a five-day science, technology, engineering and mathematics (STEM) programme.

The Year 10 student was flown to Silicon Valley in San Francisco, USA last October for the boot camp, attending seminars and visiting technology companies.

Te Rūnanga o Ngāi Tahu and Te Tapuae o Rehua were behind the boot camp initiative in partnership with Callaghan Innovation and NZQA.

Bethany's first stop on the trip was NASA Ames Research Centre, where she learnt about space travel and working for NASA.

“They had a few old replicas of space shuttles and a room with fragments of meteors from the Moon, Mars and a comet that passed by earth,” Bethany says.

The students visited a number of companies during the bootcamp, including Apple subsidiary FileMaker,



Bethany Kaye Blake and her boot camp group at the company, Facebook

LUCID and UBER.

“We talked to UBER about driver and customer security, the law lagging behind technology and dealing with hackers,” Bethany says.

She also had the opportunity to see technology in action when her group visited the strawberry fields of Salinas to see technology being used in agriculture and

how it is speeding up the harvesting processes.

One of the highlights of the bootcamp was visiting the company Facebook.

“This was amazing - they have a huge campus with an arcade, cafes and restaurants, a gym and so much more,” Bethany says.

“We talked to some of the people who work in human relations and they told us about working with technology to benefit and connect people.”

During the trip Bethany took a seminar by trained futurist Dr Richard Kaipō Lum.

“He talked to us about Big Picture thinking and how to predict and manage complex changes. We talked about how you can use technology to manage problems and control the future.”

Bethany also enjoyed visiting the Exploratorium, an interactive science and technology museum, and the California Academy of Sciences Museum.

“There was so much to do there that we did not even get through half of it in three hours. There was a rainforest inside in a massive globe, an exhibit about the development of humans and a massive



The students explore Silicon Valley

underground aquarium.”

This experience has certainly broadened Bethany’s horizons for the future.

“Technology is involved in a lot more jobs than you would think,” she says.

“I was already interested in going into a STEM job but now I am even more excited about the different possibilities and opportunities available.”

LETS TALK BUSINESS

Our marketing gurus in the Middle School were put to the test in Term 4 when they took on the BP Business Challenge.

Queen Margaret College hosted the three day practical workshop, which introduces secondary students to the world of business.

Year 9 and 10 students worked in teams to create a business plan for an original product, which they then had to pitch to judges on the final day.

Each member of the team took on a role of responsibility, whether that be CEO, Production, Strategic, Marketing or Finance.

After deciding on a product and working through the prototype phase, the girls decided on their marketing strategy and had to create an advert/skit around their product to sell their idea to a panel of local business experts.

Competition was fierce but Hinewaroa Taulima-Tamati, Orianne Macadre, Isabel Nicholls, Rakshaya Ashok, Chenthi Heer, Ashley Chandra and Bridget Olphert were named the winners for their ingenious pitch of a product called Capapp, a water bottle that can track your water consumption and send this information to an app on your phone.

“We came up with this product to try and help solve the dehydration issue in New Zealand,” Ashley Chandra says.

“I think the BP Challenge was a good way to learn about business concepts and the basic steps that are involved in creating a business.”

Judges were impressed with the point of difference of the product and the app’s unique advantage over the competition.

Isabel Nicholls says when pitching their product to the judges, each member of the team explained an element of their marketing process.

“There were many steps we had to think carefully about, such as the shipping, costs, location of production and so on,” Isabel says.

“The BP Challenge really tested our ability to work as a team in this way.”



Chenthi Heer gives her pitch for Capapp

HANDS-ON EXPERIENCE

Year 13 student Sonesavanh Phouphayly was immersed into university life earlier this year when she took on the Hands-On Otago programme.

Sonesavanh was one of 400 students from around New Zealand who participated in the week-long programme held by Otago University.

Hands-On Otago gives secondary students a taste of university life both on and off campus and covers a wide range of subjects, from the Experimental and Social Sciences to the Performing Arts and Law.

As part of the programme the students also have the opportunity to interact with university researchers and assist them with their work.

Sonesavanh says everyone was designated a specific project during the programme.

“I was put into the Immunology project where I got to learn about the research behind tuberculosis,” Sonesavanh says.

“I learnt about tuberculosis and how it affects the body, especially the lungs, and how to identify infected cells through blood smears, flow cytometry, and a method called ‘ELISA’”

Sonesavanh also took sessions on different subjects, including Bioanthropology, English, and Biochemistry – all of which she thoroughly enjoyed.

Hands-On Otago was not just about work and research.



Sonesavanh with the rest of the Hands-On Otago students

“There were also different activities every night after dinner, such as an amazing race, a quiz night, and North Ground games,” Sonesavanh says.

“We were given a lot of free time after the projects to do what we wanted - we could go on tours of the other halls, head to town and eat out with friends, sign up for activities such as laser tag, or simply spend the time relaxing.”

Being able to experience a bit of university life has helped Sonesavanh prepare for the leap between college and university.

“The programme has helped me understand that there are so many things to do and, just because you’re working towards a certain degree, it doesn’t mean you shouldn’t branch out and try new things as well.”

Sonesavanh is in her final year of the International Baccalaureate Diploma and is hoping to study Health Sciences at Otago University next year.



**SCOTS
OPEN DAYS**



**2pm, Sun 26th March
7pm, Wed 29th March**

**Monorgan Road
Strathmore Wellington**

Register at scotscollege.school.nz

FUTURE SCIENTISTS

Stephanie Cheever's passion for science was ignited at the Rotary National Science and Technology Forum.

The Year 13 student was selected to attend the two-week forum, which was held at the University of Auckland.

She was joined by over 150 students from around New Zealand and Australia.

The students began each morning with a fun activity before a busy day working in different areas of science, including robotics, biomedical science, chemistry, nutrition, sport science, molecular biology and physics.

“One of the highlights was the talk from Nano Girl, a passionate female scientist who was very inspiring,” Stephanie comments.

“The modules that I found the most interesting were the ones taught by passionate people who could communicate those ideas well.”

In the evening, students would either do a recreational activity, such as laser force or a volleyball tournament, or a technology activity visiting an industry workplace.

Some of the interesting workplaces Stephanie visited included BECA, Landcare and TVNZ.

“Visiting industries was a unique opportunity which allowed me to open my eyes to business applications of science.”

Stephanie says making new friends with a similar passion for science was the best part of the experience.



Stephanie Cheevers conducting an experiment

“It taught me a lot about university life and my future in science after I finish school – as well as about myself and the person I want to be.”

Stephanie is currently studying Biology, Chemistry and Physics as part of the IB Diploma and is hoping to become a structural engineer when she finishes university.

“The forum confirmed my desire to do engineering because I want to be a world problemsolver and apply my scientific knowledge.”



QUEEN MARGARET COLLEGE

A WORLD OF OPPORTUNITIES



Year 7 & 9 Scholarships are now open for 2018.
Applications close Friday 12 May 2017.

Open Days

Friday 10 March 9am – 2.30pm

Sunday 12 March 1.30pm – 3.30pm

www.qmc.school.nz

2017 IS THE YEAR TO FLOURISH!

Our new Head and Deputy Head Prefect want to encourage every QMC girl to push their boundaries and flourish in 2017.

Head Prefect Georgia Taylor

Georgia may have begun her QMC journey in 2013 but her family has had a connection with the College long before she first put on the uniform.

Her grandmother Gillian Davenport (nee Kerr), her mother Sally Davenport, her aunties Penny and Margy Davenport and cousin Grace Hocking all attended the College.

“They spoke so highly of their days here and wished for me to enjoy the same,” Georgia says.

If there was one word to describe Georgia, it would be *holistic*.

“I love seeing how everything connects together and how all the little parts fit to form a bigger picture,” she explains.

A proud Braemar girl, Georgia’s favourite subjects are Biology, Chemistry and Mathematics, which she is studying this year as part of the IB Diploma.

Georgia is also a lover of all sports and has tried her hand (and feet) at most over the years.

“Netball, Football, Waterpolo, Handball, Volleyball, Tennis – you name it, I’ve played it.”

Georgia believes Queen Margaret College has shaped who she is.

“Looking back now I can really see how much I’ve grown as a young woman and how much I have learnt that I will need to flourish post school.”

She is hoping to go to university to complete a science qualification next year but for now, she is firmly focussed on leading the College through the year ahead.

“We want to encourage every girl to be the best they can and remind them how important and incredible they are, both as individuals and together.”

It is Georgia’s hope this year that she will see each QMC girl embody the school theme and flourish in their own way.

“It is our hope to see not just a couple of bloomers, or just the brightest or tallest, but a whole field, each as bright and beautiful as the next.”

Deputy Head Prefect Olivia Watson

Olivia still remembers how excited and nervous she was on her very first day at QMC in 2011.

“QMC was a big step up, but I was excited to be challenged and pushed out of my comfort zone,” she says.



Head and Deputy Prefect Georgia Taylor and Olivia Watson

A good word to describe Olivia is *determined*.

“Once I set my mind to something, there is no stopping me until I achieve it,” Olivia explains.

“I definitely believe in the power of the mind and that if you believe you can do something, you can achieve it.”

A proud member of Lochleven, Olivia is studying NCEA this year and says her favourite subjects are Economics and History.

Olivia has played netball, basketball and volleyball throughout her years at QMC, while on the cultural side, Olivia has been involved in choir, debating, speech and drama.

Olivia, who hopes to study law and commerce in the future, says Queen Margaret College has been much more than just a school for her.

“I am so grateful for all of the friends I have made and opportunities I have been given,” she says.

“I know that when 2017 Year 13s leave at the end of this year that we will have the knowledge and skills that we need to continue flourishing in the world.”

She envisions 2017 as a year of taking opportunities.

“This year I am hoping to inspire the next generation of leaders at QMC to take advantage of all the leadership opportunities we are given,” Olivia says.

“We all have the capability and opportunity to lead and all it takes is to say yes to these opportunities.”



CAROLS ON THE LAWN



STRAWBERRY FESTIVAL



ELIZABETHAN DAY



Old Girls' Weekend 2017

Friday 9 and Saturday 10 June

Whether you were there for the whole journey or just a couple of years, you are invited back to school to come and reminisce with your peers.

In particular, we would like to specially welcome the following cohorts:

3rd Form (Year 9)	Form 7 (Year 13)	Head Girl	Dux
1937	1941	Max Eichelbaum	Merle Green
1947	1951	Anne Cairney	Jennifer Boivin
1957	1961	Patricia Rutherford	Kathleen Coleridge
1967	1971	Jane Battersby	Penelope Joseph
1977	1981	Jocelyn Angus	Isabella Carbonatto
1987	1991	Vanya Tulloch	Rachel Robertson
1997	2001	Sarah Natusch	Monique Corban
2007	2011	Rebekah Dorman	Hannah Liddell (IB Dux)
	2011		Alexandra Pidgeon (NCEA)

Friday

- Join the Special Honoured Old Girls' Assembly and Banner Ceremony
- Enjoy lunch followed by the traditional Year 13 Netball game
- Friday 5's: Drinks and Nibbles in the Old Hall 5-7pm

Saturday

- QMCOGA will hold its AGM followed by the traditional Seniors' Lunch (aged 60+)

A registration form has been included in this issue of QMCalling to complete if you are attending. If you have questions or would like to organise something for your year, please email: development@qmc.school.nz.

Centenary 2019

Planning is underway as Queen Margaret College gets ready to turn 100 in 2019. Information will be sent out as soon as the details are finalised. If you need to update your contact details, email development@qmc.school.nz.

INTERNATIONAL DIPLOMACY

London, Copenhagen, Brussels, Geneva, Paris and New York. Six different cities across six countries and just twenty-eight days to do it all in. Charlotte Hollywood saw the world through a future lens when she went on the Global United Nations Development Tour earlier this year.

Charlotte was one of the few students selected for the four-week tour, meeting with diplomats, NGOs and UN agencies from cities who are progressively leading the charge to meet the UN 2030 Global Sustainable Development Goals.

The Queen Margaret College Old Girls' Association assisted Charlotte, our 2016 IBD Dux, in taking up this once in a lifetime opportunity.

From environmentally-minded city design in Copenhagen to original recycling and waste solutions in London, the students were blown away by how these cities were tackling sustainability.

"The leaps and bounds of innovation we saw throughout the trip were inspiring," Charlotte says.

A highlight of the trip for Charlotte was meeting University of Copenhagen's Søren Bøye Olsen, Head of the Masters Programme in Environmental Economics.

"His perspective on integrating our environment into economic considerations was fascinating. I was also incredibly excited that he talked about the

potential future in replacing red meat with edible insects."

Charlotte's final destination was New York City to take part in the Winter Youth Assembly at the United Nations Headquarters.

"The conference focussed on the three Sustainable Development Goals of poverty, education and sustainable consumption," Charlotte says.

"Through panels, forums, and visits to embassies, we were able to bring together all the knowledge we gathered over the tour."

Charlotte says the tour has changed her world perspective and given her focus for the future.

"I have gained so much from it; not only a wealth of knowledge but also a greater independence and confidence that will aid me as I go forth into university."

Charlotte is about to begin a Bachelor of Engineering (Honours) at the University of Canterbury.



Charlotte at the UN Headquarters in New York



Charlotte explores New York City

WINDOWS OF OPPORTUNITY

Old Girl Therese Featherston gave our Year 12 IB students a little taste of university life.

Therese returned to the College in Term 4 to talk to our senior IB students about the IB Diploma and tertiary education.

She graduated from Queen Margaret College with the IB Diploma in 2014 and had a wealth of knowledge to share with our students.

For our senior IB students, this was a valuable opportunity to hear how the IB Diploma would measure up at tertiary level.

“University and any other tertiary study is a massive change from school and you can never be fully ready for the roller coaster ride that you are about to take,” Therese says.

“However, the International Baccalaureate definitely made me more prepared for assessment at university as the exams/tests/lab reports are all very similar to the way IB is assessed.”

Therese also answered a host of questions from our girls about selecting tertiary studies and what to expect when you get there.

She is currently in her third and final year of a Bachelor of Biomedical Sciences at the University of Auckland and is part of a Science Scholars’ Programme.

“I have found university a huge learning curve when it comes to balance and motivation, and it’s helped me get into a great routine with study and social life,” Therese says.

“I have also become a lot more independent, moving away from home and into a flat which was definitely an experience.”

She also spoke a bit about her experience at the Gillies McIndoe Research Institute, and how it has helped to open many windows of opportunity.



Old Girl Therese Featherston at the Gillies McIndoe Institute

“I spent last summer and this summer working at the Gillies McIndoe Research Institute on summer scholarships (Deane Endowment Trust Scholarship and Kristen Deane Scholarship), looking into cancer research,” Therese says.

“This year, I was able to publish two papers in a scientific journal, one as first author and another as second author, as a result of last summer’s work.”

Therese hopes to finish up her Bachelor of Biomedical Sciences at the end of this year and then plans to go travelling around Europe before returning to New Zealand to carry out post-graduate study in Biomedical Sciences.

“From then, I have a lot of options to either carry on with research and post-graduate study or go into post-graduate medicine, but I’ve got plenty of time to decide what I want to do,” Therese says.

“QMC definitely helped me feel like I had the confidence to go forward as a well rounded person.”



Therese speaks to our IB Diploma students

MAKING A DIFFERENCE

From climate change to reducing our carbon footprint, Old Girl Karen Lavin's role is to investigate New Zealand's most important environmental issues.

Karen discovered her passion for science while studying at Queen Margaret College (1997 – 2003).

“Chemistry was taught by Dr Suzanne Boniface,” she says.

“Her love of Chemistry really rubbed off on me.”

Karen, a Berwick supporter, was Dux of the College in her final year but was unsure what she wanted to do post secondary school.

“I remember mum encouraging me and giving me all sorts of options but it was only shortly before applications for living in a residential college were due that I decided I wanted to study at Otago University,” she says.

Karen went on to study a Bachelor of Sciences Degree with Honours in Chemistry at Otago University.

In her third year of studies she was all ready with her topic for her honours dissertation when an encounter with a new lecturer completely changed Karen's plans.

“Kim Hageman came and spoke to my class about her research,” Karen says.

“She did environmental work. As she spoke to us, something just clicked for me.”

With Kim as her mentor, Karen completed her PhD thesis topic on how pesticides move around in the environment.

“I spent some time living in the Southern Alps measuring pesticides and testing different methods for working out where those pesticides had come from,” she says.

“The levels I measured were very low, but some pesticides had travelled across the Tasman from Australia.”

After finishing her PHD, Karen started working for

the Parliamentary Commissioner for the Environment, Dr Jan Wright in 2012.

“She can investigate any environmental issue she thinks needs to be investigated and then gives independent advice to Parliament.”

“I really love the work I do. A big part of it is communicating science to the public, but it's also about making sure that New Zealand's policy decisions are based on good science.”

Karen leads a small project team from a variety of backgrounds.

Her team recently finished a project looking at the impact of rising sea levels on New Zealand's coastal communities.

“Climate change will bring many challenges for New Zealand.”

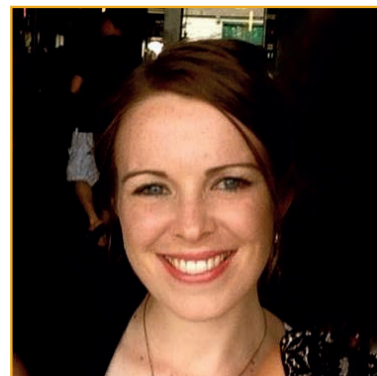
They have recently started looking at ways of reducing New Zealand's carbon footprint.

“I'm very lucky to be able to work on such a variety of important and interesting issues. I have also worked on topics including fracking for oil and gas, protecting our oceans, and water quality in our lakes and rivers.”

Karen's advice for current students is not to worry if you are not sure what you want to be or where you want to end up.

“Just find your passion and follow it – You'll end up somewhere awesome.”

“If you really enjoy something, go for it.”



Old Girl Karen Lavin



INTERNATIONAL HOMESTAYS REQUIRED

Queen Margaret College is seeking applications for families interested in hosting an international student during 2017. Being a homestay family is a unique and fulfilling experience for the entire family. Our students are academically focused and want to be part of the New Zealand lifestyle. You will form lifelong friendships and be able to learn about a different culture.

You will receive remuneration of \$300 per week per student. Short terms contracts are available with the option to renew.

To find out more, go to www.qmc.school.nz or email international@qmc.school.nz

BACK TO SCHOOL

Assemblies and Athletics Days. Some things never change, no matter what generation you come from. Old Girls of all ages enjoyed reminiscing about their former school days at our Back to School Drinks in Term 4.

The Old Girls' Association organised this special event as an opportunity for the Old Girl community to reconnect and socialise.

We had a number of former students return to the College with interesting stories to tell, including recent leavers and IB Diploma graduates Michelle Too, Jessica Palairet and Sarah Novak.

Michelle is currently completing a Bachelor of Civil Engineering with Honours at the University of Canterbury, while Jessica is completing a Bachelor of Laws and Arts at Auckland University.

Sarah completed a year at the University of Otago before taking up an offer at Yale-NUS College in Singapore majoring in Politics, Philosophy, Economics with a minor in Environmental Studies.

With just over a year until she finishes her degree, Sarah is currently spending the first half of 2017 at the University of Oxford in the UK.

"It is an incredibly exciting opportunity that will deepen my academic knowledge and where I intend to start working on my final-year thesis," Sarah comments.

Another recent school leaver Joanna Purdie also joined us for the Back to School Drinks and relished the opportunity to return.

"It was a great chance to connect with other Old Girls and see our gorgeous school again," she comments.

After graduating from Queen Margaret College in 2006, Joanna enrolled at Massey University, Palmerston North to complete a Bachelor of Science with a major in Biological Sciences, after which she gained entry into veterinary school.

"I graduated with my Bachelor of Veterinary Sciences in December 2013 and began working for Tararua Vets



Old Girls Jessica Palairet, Sarah Novak and Michelle Too

in Pahiatua," she says.

"I have now been there for three years, working mostly with large animals - dairy cows, beef cows, sheep - but I am also doing some work with horses, cats and dogs."

Gaining entrance to vet school was definitely a challenge but Joanna says Queen Margaret College gave her a strong sense of self-belief, which assisted her when competing for a place in the veterinary programme.

"Once in, the five year programme is very gruelling but also comes with some pretty incredible experiences and bonds you with some amazing people."

One of the things Joanna enjoyed the most about returning to QMC was recalling all her fond school memories.

"It has inspired me to get out photos of those days and smile at how young we all were. I am still in touch with many of the girls from my class and it is truly remarkable to see where we have all ended up."



OLYMPIANS AT QMC

As Olympic fever took hold in 2016, we were lucky to have several high profile New Zealand Olympians visit the College.

We welcomed back our very own Olympian and Old Girl Ruby Tew in Term 4 after she returned from competing in the Rio Olympics.

Ruby and her team placed fourth in the Rowing Women's Eight at the Rio Olympics, after qualifying the previous year at the World Championships with a silver medal.

She spoke about her journey from joining the QMC rowing team to being named in the New Zealand Olympic squad and her experience representing New Zealand in Rio.

In October, Paralympian Sophie Pascoe MNZM gave a presentation to our senior students about her life and the keys to success.

Sophie, a para-swimmer, has represented New Zealand at three Summer Paralympics and is the country's most successful Paralympian.

She won three gold and two silver medals at the Rio Olympics, adding to an overall total of nine gold and six silver medals.

Sophie spoke about her life-changing accident, her path to Olympic glory and her key learnings for success (health, nutrition, mental wellness, financial well-being, goal-setting and hardwork) followed by a Q and A session.

"Success is making goals a reality," Sophie said.

Our other Paralympian visitor was para-swimmer Mary Fisher MNZM.

She represented New Zealand at the 2012 Summer Paralympics in London and the 2016 Summer Paralympics in Rio de Janeiro and won two gold medals, two silver medals and a bronze medal altogether.

She talked about her life, training and her experience at Rio, where she won a gold medal in the Women's 100m backstroke S11 in a world record time of 1:17.96.

"It doesn't matter if the cup is half full or half empty, you just need to drink that cup and grasp every opportunity," Mary said.



Mary Fisher



Sophie Pascoe



Ruby Tew



Ruby Tew with mother Michelle Tew, sister Lily Tew and Principal Carol Craymer

QMC JUNIOR BLACK STICKS

Two of our talented hockey players, Matisse Uluilata and Estelle Macadre, were selected for the Junior Black Sticks.



Estelle at the U19 Identification Camp

The news of their selection in October came as a complete surprise for these young sportswomen.

“I went into shock – I had to sit down with Matisse to come to terms that we had been named in the Junior Black Sticks squad,” Estelle says.

The Junior Black Sticks is a squad of 40 players from throughout New Zealand within the Under 19 category.

The squad was selected by the national selectors for Hockey New Zealand at the National U21 and U18 Women’s Tournaments.

Shortly after being selected, Matisse and Estelle joined the rest of the squad at an U19 Identification Camp in Auckland.

“During the camp we did a mixture of fitness and speed testing, drills, games and off the turf board sessions,” Estelle explains.

One of the highlights of the camp was coaching from National Women’s Team Head Coach, Mark Hager, who has coached the Black Sticks Women since 2008, including three Olympic campaigns.

Estelle says taking part in a high performance Hockey New Zealand programme has been a once in a lifetime opportunity.

“We have learnt more about the psychological side of sport and even more about the game itself. It was such an eye opening experience that tested us both physically and mentally.”

Matisse is a recent school leaver and will be starting university this year but Year 13 student Estelle will be using her newly acquired training to represent the College for one more final year as part of our Hockey First XI team.



Estelle and Matisse with members of their team



Estelle in action