



**Leading the Learning**

**Faculty Showcase**

**Term 3 2014**

## Leading the Learning Business.

The business faculty has had a staff change since our last showcase in term 1 of this year and it is timely to give a reminder of teachers working in the faculty who continue to provide learning opportunities in Business studies, Digital Technology, Individual Senior Programme, Legal studies, Career Development (including thinking skills) and Hair and Beauty. Our Faculty caters to a student flow of approximately 450 students.

In our first showcase, Business Faculty worked on developing a culture of excellence and produced a poster of what it would “Look Like” “Feel Like” and “Sound Like”. This has been reproduced as a reminder of the practices teachers in business apply and strive towards. Student voice and relationships are tools business teachers are encouraged to use to achieve cultural excellence in the classroom and student learning environment.

Hair and beauty with Rana Motu leading this learning area has enabled students to apply theory and practical skills through students attending workshops at Waiariki and hands industry experience with House of Elliot who we acknowledge allowing our students to apply learnings in a business providing a service to clients. Na te mihi kia koutou

Hancine Samvelyan and Felicity Kaiwai lead the learning in digital technology which will be known as innovative technology in 2015. This area of learning changes rapidly given the “how” and “what” is occurring in industries. The programmes offered enable students to understand Digital Citizenship and ethics and how to recognise and establish computer programming and web site development.

Kevin Heitia Leads the learning in business study. The aim has been to encourage students to develop an understanding of the importance of business as it impacts on individuals, households, mainstream and Maori organisations locally, nationally and offshore. Maibiz, market day, young enterprise studies and web search become practical learning tools for learning.

Raewyn Krammer along with her Deputy Principal responsibilities leads the learning in legal studies. The aim is to enable students to examine and understand law in action in society, how law is made and comparing New Zealand common law systems with other countries. The course provides students with some practical knowledge on application of law systems.

Raewyn Krammer and Rana Motu lead the learning in Individual Senior Programme (ISP). The course involves students in many activities pertaining to work in industry. Students are able to select from a range of standards offered by outside provider and is funded by STAR. The course caters to students who have interests in subjects not generally offered in mainstream.

e-Volcanics (VLN) is a learning area that is overseen by Hancine Samvelyan and related to students selecting a range of subjects either not available due to timetable clash or there are insufficient numbers for a class. This year has seen students participate in Geography, Japanese, French, Art History and mathematics with Calculus. Students are assessed by their host school by achievement standard.

Career Development is lead by Tui McCall and Jaynae Biddle-Kite who replaced Janet Cornes beginning of term 3. Students undertake a range of unit standards in school and as part the course enrol in “Gateway” that bridges the gap from study at school to enable the student to experience a work placement and possible permanent offer of employment. Students will go out to work placements for one a week over a defined period through Gateway during the year.  
Smorgasbord of learning

Gateway placements



Hair and Beauty nail art



# Business Faculty: Culture of Excellence

## LOOKS LIKE

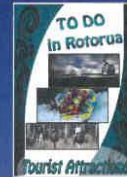


C7

G2

H5

"i like how the teachers do 1 on 1 teaching, i defently understand it better"



Kanohi ki te kanohi  
Kai korero

"Help us with our career pathways  
Doing practice assessments before doing the real assessment  
Gives lot of feedback from our work  
Tutorials."

"Talk to us individually about our work, on how we can improve our work."

"Just little things like walking around the room constantly to check if we are okay or need some assistance if we are stuck is really useful and keeps on track which real cool. Also giving us advice or hints on how to continue helps me personally learn, as I find it more appropriate then directly giving us the answer :)"

### Student Voice

"Mrs McCaull helped us understand clear wiew of what careers and how it is going to guide you in the near futu"



G5

Ako  
Pono  
Kotahitanga  
Matauranga  
Manaakitanga  
Whakahanaungatanga



academic support/planning



planning

### Relationships



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# ENGLISH AND DRAMA FACULTY

## **The Great Debates**

An excellent event with youthful intelligence and wit in combat, the Great Debates against Rotorua Boys' High School took place on the evening of August 21. Each team had been preparing for some weeks: sorting out arguments, finding information and practising their speeches. The topics for debate were varied: Disney movies, Te Reo Maori, a comedy festival for Rotorua, social media and voting in the general election. Boys' High graciously hosted the evening which saw a pleasing turnout of parents and students to support their teams.

The great news for us was that Rotorua Girls' High School took back the debating trophy with four wins to one. We won the Year 9, Year 10, Year 11 debates and, the blue ribbon event, the Year 13 debate. They were closely fought contests with the Rotorua Boys' teams fielding some very fine speeches and speakers. Congratulations to all our teams for their time, effort and commitment. We can look forward to some excellent debating in the future.

Our teams were: **Grace Watson, Claudia Thomas, Brianna Cardon, Sophie Jansonius, Levis Hitchens-Chapman, Te Waiarangi Manley-Merito, Chantelle Cobby, Leah Stephenson, Courtney Wiggins, Jaedyn Robinson, Bayley Howard, Jazmine Hurahanganui-Bennett, Halee Smith, Moerangi Vercoe and Ngamoe Morgan.**

## **Speech Competition**

An evening of exhilarating oratory occurred on Thursday 19 June, with our school speech competition. The contestants were selected after semi-finals and competed against others of their year level. Confidence, flow of thought, expression, argument, and performance techniques were all present in the speeches from our young women; they were each very inspiring in their own right. The winners were:

Year 9 **Grace Watson**

Year 11 **Jordan Tereu**

Year 13 **Charlotte Sutton**

Year 10 **Te Waiarangi Manley-Merito**

Year 12 **Nathalie MacFarlane**

## **DRAMA**

### **Clowning at Malfroy School**

As part of an NCEA assessment our Year 10 and 11 Drama classes took to the road as a clown troupe and performed to the juniors at Malfroy Primary School. Along with red noses, balloons, superglue and the obligatory cream pie our clowns received a delighted and enthusiastic welcome from the kids and gained credits to boot!

### **Trips to Live Performance**

It is an expectation of our senior drama classes to watch live performance during the year. Not only does it give the student's fresh, exciting ideas for their own work but hones their skills in responding and analysing different forms of Drama.

This term we have been lucky enough to see three different shows: The Laramie Project, Macbeth, and Asian Invasion.

### **RGHS Drama Club - Matariki**

As well as a short film project made this year, the RGHS Drama Club produced a play, performed to the school, celebrating Matariki. Starring both staff and students, we're not sure who found it more amusing....the actors or the audience. Watch this space for next year's extravaganza.





### **Waiting For Godot**

Our Year 12 and 13's have been exploring the existentialist world of Samuel Beckett and his Absurdist play *Waiting for Godot*. Voted "the most significant English language play of the 20th century" it follows two characters as they wait endlessly and in vain for the arrival of Godot.

### **Girls Night Out**

Monday September 1 saw the performance of an excerpt of *Taming of the Shrew* by one of our regional Shakespeare Festival groups. While some people may find Shakespeare a bit old-fashioned, when there are two screaming teenage girls at fat man and a tango you can't go wrong.



### **Student Creative Writing Year 13**

Paper flew out of my brief case into a sea of legs, all rushing in different directions. The crowds were millions of barriers, preventing me from getting to where I was supposed to be. The morning seemed to drag on, and it was only 8:19. Enormous doesn't do any justice when describing the North Tower. The entrance way alone appeared to go upward for miles. From where my journey began it was clearly visible, and it gradually grew closer until eventually, I arrived. 8:22.

After feeling like I had run a marathon my throat was aching for caffeine, and the daily newspaper was calling to be read. My mind was telling me I am already late, arriving slightly later will make no difference. I quickly jumped in the line full of faces that have become familiar for mirroring my lateness and morning coffee dependence. It had grown into something kind of habitual necessity. The ring of my cellphone snapped me out of my day dream. 8:30. I hesitantly answer, aware of the trouble I am in. "Hello, yes yes I'm almost there, just heading up the lift now" I nervously lie to my boss.

"Take your time." The sarcasm in his voice is sour. 8:35. After watching grass grow, my coffee is eventually ready. The first sip invariably gives me a sensation that will never become tedious. How could I get sick of the energising feeling that rushes over me, preparing me for what's ahead. However, a feeling that has become tedious is fear of my boss when I arrive late. I dash to the elevator like Usain Bolt.

While in the elevator I am given plenty of time to fear my boss's reaction. 8:40. Ding. Walking across the same floor, looking out the same window, it was a daily routine no one could really get sick of. "That plane is flying awfully low," I hear someone say. The plane looked as if it was coming straight for me. I nervously laugh. All I am able to do is stand there in disbelief, watching, waiting. The plane doesn't appear to change its route. My ears now feel like they're about to pop, I cannot physically feel anything in my body, I am running the other way. Screams echo painfully throughout the space. The sound is unbearable, like two high-speed trains crossing in high proximity to each other. A war zone was created, I knew this without even sighting it. Something louder were my thoughts, they were shouting at me, like one stab in the chest after another. I am going to die. To survive would be a miracle. Where there would have been a window, paper is floating peacefully away, liquid is running down the panel, desperately escaping from the madness above.

# Leading the Learning in the Maths Faculty 2014

*We have been celebrating success and academic achievement in the Maths Faculty and this is the story so far...*

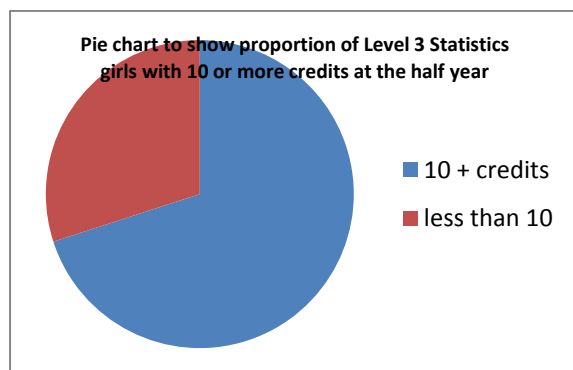
One third of assessments in the FCEA (year 9) Maths course were achieved at the merit or excellence level. The pass rate for all assessments was 86%.

One third of assessments in the JCEA (year 10) Maths course were achieved at the merit or excellence level. 88% of students have already gained 5 or more Maths credits and are on track for the year.

At the half year mark 66% of all year 11 girls have gained 10 or more credits in Maths and therefore have already attained their Numeracy requirement for NCEA Level 1.

The average number of credits per girl for NCEA level 2 Maths at the half year is 10 credits.

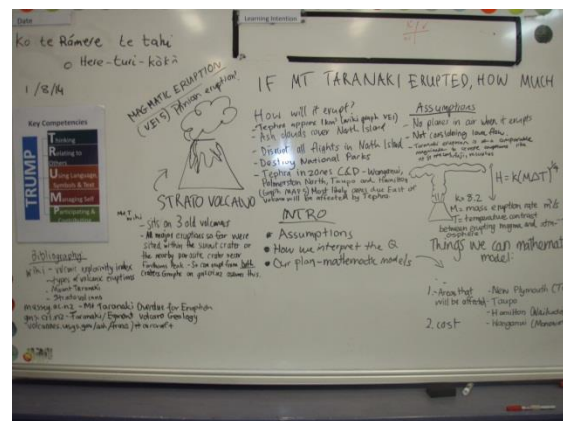
Over 70% of girls studying NCEA Level 3 Statistics already have at least 10 credits at the half year mark.



60% of credits gained in NCEA Level 3 Maths with Calculus have been gained at the merit or excellence level.

## What has been happening in the Maths Faculty?

On Saturday 2nd August, four of our senior mathematicians spent all day at school as part of the challenge for NZ's Next Top Engineering Scientist. Here they are in action.



Week 5 was Te wiki o te pangarau – Maths Week and we were pleased to invite speakers from industry to talk to all our senior maths classes about how they use maths in their jobs. The speakers were: Lou Sherman (packaging development), Josie Cranfield (chemist), Emily Telfer (molecular breeding scientist) and Jamie Bridson (scientific research assistant).



Maths week activities included treasure hunts, origami, flax weaving, murder mystery puzzles and the ever popular MATHSMIND competition.



Staff even had their own competition as did visiting prefects from RIS and RBHS.



This was the winning staff team in action!



# Leading the Learning – Humanities Faculty

## Year 9 Social Studies

This term each of our Year 9 classes visited the **Ko Te Oranga Tuturu o Te Arawa** Exhibit at the Rotorua Museum. The exhibit supported our Social Studies unit about migration and offered the students the opportunity for valuable hands-on learning about early life in Aotearoa.



## Asia Wise

The annual **Asiawise Competition** offers students the opportunity to conduct research into the history, geography and culture of the Asian region. Students gain valuable research experience, new knowledge and all participants receive a certificate. Asia Wise runs for two weeks from 25<sup>th</sup> August.

## Senior Model United Nations Assembly

The Model United Nations Assembly gives students a chance to hone their skills in research and debating and to gain an insight into how the world of international politics and diplomacy works. In June two teams of Senior students – Year 13s **Gabby Grattan, Brittany McNee & Dayna Sione** and Year 11s **Chantelle Cobby & Leah Stephenson** - travelled to the Tauranga City Council Chambers to compete in this annual competition. As part of the competition they got the chance to dress up in the national costume of their chosen member country of the United Nations and debate issues of global importance.



A Junior Model United Nations Assembly will be

held on 23<sup>rd</sup> August and a team of three from the Year 10 Accelerate class, RG3, will be attending.



## Classical Studies

The students in Level 3 Classics are currently studying the art of

Greek Vase Painting. As part of understanding the techniques and design skills required the students are getting their hands dirty creating their own 'masterpieces'!



## Sociology

This term in Sociology as part of Achievement Standard 91282 "Surfing for Aid" the students were required to take part in a social action related to rights and responsibilities. Surf Aid is a non-profit organisation that was founded by a surfer and physician Dr Dave Jenkins back in 1999, after he went to the Mentawai islands for a surfing trip and saw the people there suffering from malaria, poor nutrition and low quality living standards

Looking through SurfAid's information and facts, the students felt that every person had the right to clean water, free health care access, immunisation and education. They felt that it was their responsibility to help these people in the Mentawai islands and decided to do this by raising money for SurfAid through a bake sale.



At the bake sale they sold...cupcakes, sushi, chicken fried rice, toffee apples, cheesecakes, pop cakes, cookies and lots of other delicious desserts.

The bake sale was well supported by staff and students making \$400.00! This money will now be sent to Surf Aid to support the Mentawai people and

Surf Aid's programmes.

## Geography

The Level 1 Geography class investigated Extreme Natural Events by taking a trip up Mt Tarawera. A wonderful opportunity to see the natural processes that formed our local volcano.

## Tourism

The Tourism classes have had an action-packed few months, visiting many of the Tourist attractions around the Rotorua area in support of their classroom learning. The Level 3 Tourism class has also hosted several guest speakers from the local Tourism industry, gaining valuable insights into the realities of running Tourist operations.





# Leading the Learning Physical Education, Health, Dance and Music

Terms 2 and 3, have been busy and exciting for our faculty as we strive for Excellence. This term we have welcomed **Carolyn Katu** back into the faculty and fare-welled **Karen Archer**. We thank Karen for all her hard work and dedication.

We continue to reward students in the faculty and our Credit Card winners for Term 2 were **Teina Cassidy** from RG3 and **Jayde Durham** from RK1. Congratulations to you both and to all students who had cards in the draw for last term.

## Junior Physical Education- Leadership



*Year 9s leading their own modified games Sessions(Skills Posters-RG3)*



*Sport Education Year 10-Leading Sports*

## Senior Physical Education- Achievement Year 11 Physical Education



*Class being coached by Kadia, Sport Bay of Plenty.*

## 12 Sport and Recreation



*Practicing CPR, as part of the Care First Aid Qualification*

## Year 12 Physical Education

### Recent Results

AS 91335 'Get up and Go'

Merit - **Ashleigh Nathan, Jazmin Hurihanganui-Bennett**

Excellence - **Kirsty Lickfold, Maddison Ollington,**

**Chantelle Galvin-Osbourne Ema Mason**

*Preparing for the City to Surf – Blue Lake 6km run*



## Year 12 Adventure Tourism

Congratulations to the following students who have achieved in: Unit Standard 473 – ‘Demonstrate personal and social growth through participation in a High Ropes course’:

**Savannah Aldworth, Shaydean Campbell, Rhaxjia Chisnal, Kelsey-Rose Falwasser, Miriam Garmonsway, Brie Kinita, Shayna Mitchell, Aroha Oneroa, Holly Roberts, Shyan Roberts, Tyla Davis-Flood, Tegan Thompson, Glory Bonar**

Unit Standard 5479 – ‘Complete white and yellow orienteering course’

**Shaydean Campbell, Kelsey-Rose Falwasser, Shayna Mitchell**

Unit Standard 20141 – ‘Complete a beginner orienteering course’

**Savannah Aldworth, Shaydean Campbell, , Kelsey-Rose Falwasser, Miriam Garmonsway, Brie Kinita, Shayna Mitchell, Holly Roberts, Tyla Davis-Flood, Tegan Thompson.**



*Students from 12 ADV checking their maps with TWPT instructor Mark Gatens.*

## Health

### Year 11 Health-Results

AS 90974 ‘Demonstrate understanding of strategies for promoting positive sexuality’

Merit - **Irene Hoani, Courtney Hodge, Emilia Middleton, Tiegan Moke**

Excellence -**Jesni Kumari, Marina Tansey**

AS 90971 ‘Take action to enhance aspects of personal well-being’

Merit - **Ngahina Heurea, Irene Hoani, Courtney Hodge, Caitlyn Kelly, Kiri Kora, Jesni Kumari, Marina Tansey**





*'Learning about and Demonstrating the importance of effective communication'*

Year 12 Health-Results

AS91239 - 'Analyse issues related to sexuality and gender to develop strategies for addressing the issues.'

Excellence - **Priyasheel Kumar, Kanu Kahlon and Ada Te Kaawa**

Year 13 Health-Results

AS91461 - 'Analyse a New Zealand Health Issue' AS9146 - 'Evaluate Health Practices'

Merit - **Ellen Goodwin, Jazmin Henare**

Excellence - **Celene Aitchison, Caroline Fleming, Amy Roper, Halee Smith, Charlotte Sutton**

## **Music**

The New Zealand Music Commission has provided a two day Mentoring Programme with Maisey Rika to work with the year 10, 11, 12 and 13 Music students to compose their own songs. This is a fabulous opportunity for our students to prepare for their NCEA composition and to work with a prestigious Maori Music Artist Maisey Rika. A great insight into how the New Zealand Music Industry works and a one on one opportunity to talk to a professional musician.



## Recent Results

Year 13

AS 91425 'Research a music topic'

Excellence - **Sonya Katipa** ; Merit – **Sarah Dunn**

Year 12

AS 91278 'Investigate an aspect of New Zealand Music'

Merit - **Ada Te Kaawa**

Excellence - **Talitha Bacal, Cheyenne Church, Bayley Howard, Orleen Ona, Carla Owen, Alvaretta Rakuraku-Foster, Jorja Waipouri and Emma Winiata.**



*Group and Solo Performances by the Year 11, 12 and 13 Music Students*

## Dance

Junior Dance

'Pair Performance Demonstration Assessments in the dance genres, Jazz & Ballet'

Merit - **Winnie Fraser, Jaysariah (Jussy) Mischeski, Pia Padayhag, Talaya Smith, Oriwa Tamahou, Madison Te Aho, Tunisia Wairua-Harpur**

Excellence - **Yunus Asby, Eden Hepi, Rose Smith, Sasha Zhukova**

'Different Dance Genre Brochure Assessments'

Merit - **Eden Hepi, Jaysariah (Jussy) Mischeski, Pia Padayhag, Madison Te Aho, India Te Runa**

Excellence - **Yunus Asby, Kalani Bosley, Rose Smith, Oriwa Tamahou, Sasha Zhukova**

Senior Dance

Year 11

AS 90002 'Perform Dance Sequences – Jazz, Contemporary and Hip Hop genres'.

Merit - **Sally Haslam, Courtney Hodge, Anushka Janssen, Ashleigh Nairn**

Excellence - **Michaela Cairns, Salma Issa Rios, Gabrielle (Gabby) Jones, Rakapa Kopua, Chetique Paul, Angel Porteous, Courtney Wiggins**

AS 90859 'Demonstrate ensemble awareness in a dance – Diamonds are a girls' best friend'

Merit -

Excellence - **Michaela Cairns, Courtney Hodge, Anushka Janssen, Gabrielle (Gabby) Jones, Ashleigh Nairn**



*'Diamonds are a girls best friend' – Achievement Standard 1.3 90859 – Demonstrate ensemble awareness in a dance.*

Year 12

AS 91209 - "Perform a Repertoire of Dance – Contemporary Trio" with Merit and Excellence grades.

Merit - **Paige Fladjkar, Ema Mason, Carla Owen**

Excellence - **Clelland Harper, Ishanee Illangasinghe, Nathalie Macfarlane, Amber Prouse-Morris, Airi Takahashi**



*'Contemporary Trio – Dance #1 Contact Improvisation –Sink or Swim'– Achievement Standard 2.5 91209 – Perform a Repertoire of Dance*



*'Contemporary Trio – Dance #2 Over the Love – Martha Graham' – Achievement Standard 2.5 91209 – Perform a Repertoire of Dance*



*'Contemporary Trio – Dance #2 Over the Love – Martha Graham' –  
Achievement Standard 2.5 91209 – Perform a Repertoire of Dance*



*Year 12 Dance 'Contemporary Trio – Dance #3 – Five Rhythms' –  
Achievement Standard 2.5 91209 – Perform a Repertoire of Dance*

Year 13

AS 91592 – 'Perform a Repertoire of Contrasting Dances – It's Showtime!'

Merit - **Shyvharh Walker**

Excellence - **Tina Hemsley (High Excellence!), Iysha Edwards, Marie Mason, Silia Sakalia, Charlotte Sutton**



*'It's Showtime!' – Achievement Standard 3.5 91598 – Perform a Repertoire of Contrasting Dances*



I am so proud of how my students all performed in the Term Three / Week Three assessments. It is always an amazing feeling seeing not only my choreography come to life on stage, but how immensely proud I am of each and every one of my dance students' personal journeys in dance, from the dance studio to the stage. Well done!

Mrs Jane Trask - TIC Dance & Stage Challenge 2014

## **LEADING THE LEARNING**

### **Marautanga – Alternative Education**

#### **Student Achievement for Junior Certificate of Educational Achievement**

We celebrate our students who are working really well in all of their subjects in order to maintain consistent achievement towards their JCEA. These girls are **Veronica Bell, Harmony Sylva** and **Reign Tuhoro** – Tau Ke!

#### **Project Based Learning**

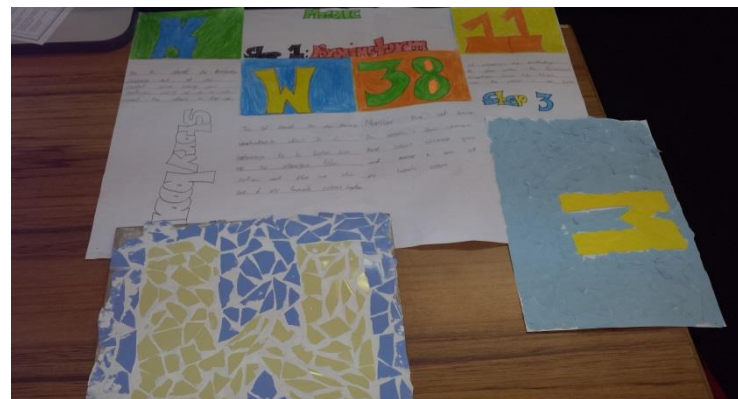
In Year 10 Alternative Education, we have implemented a new change to our afternoon sessions of learning, where students are completing assessments towards our Junior Certificate of Education Achievement based on Project Based Learning projects.

The first projects we have created a Storyboard explaining the process they have worked through in order to make a Mosaic. Their designs are original and of their interests that have meaning to each student.

Below are some examples of what we have created:



By **Aliesha Te Iri Miller**



By **Veronica Bell**

Our next Project Based Learning assessment is based on Making a Board Game for Children aged 4-9 years old, which is exciting to see how students have adapted popular Board games with their own ideas and concepts.

# Leading the Learning in Science Science Department

## ICAS Science Competition 2014 Results

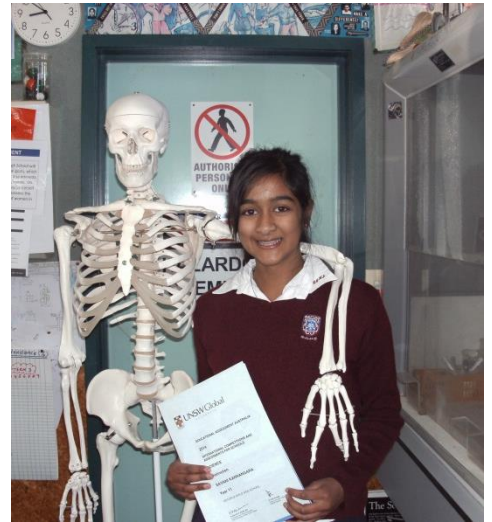
Congratulations to all the students that participated in this year's ICAS Science competition.

The following students deserve mention for their performance:

Merit	<b>Holly Looijen: Marewa Taiepa-Shields: Grace Watson</b>
Credit	<b>Briana Cardon: Ashley Coleman: Jacyntha Fowler: Siobahn Taute-Collier:</b>
Distinction	<b>Savani Kannangara</b>

**Savani** receiving her certificate and congratulations for performing to the Distinction level in ICAS

Well done to all students involved.



## Out of this World: Students reaching for the Stars/ Excellence



Year 9 students study space and the effect of astronomical cycles on earth –mostly seasons. .

As you can see to the left, the students enjoy this topic and designing their information research with creativity as well as showing excellence and astronomical efforts.

Well done to the girls in RG1 for their efforts below.

## Congratulations

The following students have shown super efforts and in achieving an Excellence level in one or more NCEA Internal Achievement Standards:

### Level 3 Biology:

**Candice Andersen, Lise-Ann Barrow, Jodie Clapperton, Iesha Edwards, Alexander Hill, Sonja Katipo, Te Rina Kingi, Brittany McNee, Althea Obuyes, Senoho Mahia, Nirlap Mann, Lyric Ratahi, Hannah Russell, Halee Smith, Bernice Ulae, Moerangi Vercoe, Felister Daniels, Reiana De Theirry, Georgia Haslam, Kate Muller, Elizabeth Randle, Daynna Sione, Shyvharh Walker**

### Level 2 Biology

**Nicole Haack, Clelland Harper, Ishanee Illangasinghe, Kwan Kahlor, Priyalsheel Kumar, Nathalie McFarlane, Maria Perfect, Amber Prouse-Morris, Georgia Grace, Victoria Thompson,**

### Level 3 Chemistry

**Althea Obuyes, Daynna Sione**

### Level 2 Chemistry

**Airi Takahashi Level 3 Physics Sydney Koia, Pang Suwanaposee**

### Level 1 Science:

**Courtney Hodge, Soranan Wantoom, Angel Porteous, Priyal Jeram, Chantelle Cobby, Alexia Goodall, Leah Stephenson, Savani Kannangara, Shivani Singh, Courtney Wiggins**

Keep up the good work!!

## **Science Opportunities**

Listed below are exciting opportunities for students to immerse themselves in Science 24/7

### **Awards and Camps**

The MacDiarmid Institute is a Centre of Research Excellence working at the cutting edge of Science. The institute runs the following two programmes available to Year 12 and 13 students who have an interest in Science.

#### **Discovery Awards 2015:**

- Open to Year 12 and 13 Maori and Pacifica students
- Award of \$ 1000 each
- Two week lab experience week 2-3 January 2015 at either: University of Auckland, Massey, Canterbury, Victoria University or GNS Science @ Callaghan Innovation, Lower Hutt

#### **Nanocamp 2015:**

- Open to any Year 12 students who are planning to continue with Science in Year 13
- Only 15 places available
- 13 – 17 January 2015
- It's free – all flights, accommodation and meals included
- For further details please visit: <http://macdiarmid.ac.nz/the-hub>

#### **Hills Laboratories Waikato Science School** -

This is a fun-packed week long science experience at the University of Waikato. It is open to any Year 12 student who will be going on to study science in Year 13. It involves overnight field trips, working with the latest technology AND making new and life-long friends. More information can be found on websites [www.hill-laboratories.com](http://www.hill-laboratories.com) and application information from [www.sci.waikato.ac.nz/sciencesummerschool](http://www.sci.waikato.ac.nz/sciencesummerschool). Funding is available –please see Ms Goeth HOF Science –for information and application packs before September

## EOTC: Richmond Foods



Year 13 Chemistry students went on a field trip to Richmond Foods Ltd with the aim of gaining a deeper understanding of chemistry processes involved in the production of foods, such as sausage rolls and savoury pies, - a popular topic of research for an Achievement Standard. Christina Ferrick, - QA Assistant, -hosted the students: gearing them up with the accessories necessary for health and safety, then taking them through the different sections of the factory showing the processes of industrial production of sausage rolls and savoury pies - right from the making of the pastry to the frozen and packaged product all ready to be despatched to consumers.

The girls were surprised at the size of the industrial machines and the various chemical processes involved in production of the food – not just a matter of ‘in the oven’. The students glimpsed how exciting Food Chemistry is and what a viable option it is for their tertiary studies.

## Masterpiece Guest Speaker

Students had the wonderful opportunity to attend a Masterpiece presentation on the Genetics and Wonders of life.

The energetic and engaging presenter – **Warick Pascoe** – had the girls spell bound and ending with full appreciation for the biology of life. The students comments ‘cool as’ ‘so interesting’ AND wanting more made the time away from the class from class worth-while.

Thank you to **Susan Millar** for use of the library facilities for the day.





## Science in the Classroom

Our senior biologists have successfully extracted DNA from kiwifruit in our lab. We used a range of techniques to destroy the cells and release the 'code of life' from within. They were then able to view the DNA under the microscope.



During Te Wiki O Te Reo Maori our Junior Science students learned how to weave whetu (stars). We then translated many astronomy terms into Te Reo and hung them under our whetu.



## Technology and Art Faculty



The Fashion and Textiles department has taken advantage of several opportunities during Term 2 school year. Students have created garments for Stage Challenge and CreationFest, both having successful entries. Students have been inspired by surface design on fabric to enhance the overall look of cushions and crop tops. Senior students have also been focusing on the complex construction and pattern adaptation to form garments on the body. Year 12 have had a fantastic outcome with trendy bomber jackets as well as Year 11 overnight duffle bags.



Our Food Technology/Hospitality department have embraced and run with opportunities over the last two terms. Year 13 Students have displayed their culinary skills and creativity by catering for the B.O.T dinner and the creative meal planning for whanau and staff. This has enabled our girls to experience real time pressures, planning and costings of dishes. Year 12 Hospitality students are creating their salads assessment shortly which will be offered to all staff to participate as stakeholders for student feedback. Year 11 have had a fabulous outcome of their recent assessment producing indulgent Red Velvet Cupcakes.



Within the subject of Design and Visual Communication the students have been working on either a Spatial or Product design. We are starting to see some amazing and innovative designs emerge into tangible products which showcase how the students are able to turn conceptual thinking into a reality in order to cater to basic human needs. Students have drawn inspiration from chosen influential designers, design movements/eras, stakeholder feedback and their ideation exploration allowing them to create something that is unique and creative. Level 3 are in preparation mode for their exhibition design due to happen at the beginning of Term 4.





We are in folio mode in Photography this term; all girls are working hard to produce original and creative work and are using inspiring Artists to help them develop their ideas. Students are staying late after school to use the backdrop and studio lights; photographing models and dioramas. All girls began the year investigating unique locations with special consideration to light, now they are bringing their locations to school; projecting scenes on to models, building large murals based on their location or small installations based on their props.



Year 12 and 13 Design students have taken their designs to a very high level this term. Gathering visual imagery from a wide range of sources, we are seeing photography, painting with light, embroidery, body painting, collage from old national geographics all incorporated into original logos, posters and promotional designs. We have our own Pinterest pages which allow students to access an incredibly rich and inspiring range of model artists. Year 10 Art students excelled in their mixed media Photoshop Surrealism unit.



Visual Art \ Painting Work is still in progress for 2014. Students select their own theme for the external exam. There is excitement about their work and it is great to see such a diverse range of subjects selected by Year 11 students, from ice-cream to fashion and makeup. The year 11 folio presents exploration in a range of media. Students will draw paint and use print images to show their understanding of established practice. Students in year 10 have completed units of work in drawing painting and are currently producing multi coloured reduction wood blocks.