



Otamatea High School

Te Kura Tuarua o Otamatea



DOE Silver Group Qualifying Exploration to the
North Island Volcanic Plateau 13-16 July

Principal's Comment

During the recent holidays members of the school community were involved in two awesome events. Firstly, the Duke of Edinburgh Gold Award ceremony in Auckland where nine students (current and past) received their awards at a special ceremony. This is amazing achievement for each of these young people and is a recognition of years of incredibly hard work and perseverance. Each student who completes their Gold Award writes a short snippet for the official programme. One of our ex students Tashae Paikea wrote "The Award has been a life changing experience that I will never forget. I have learnt many useful tools about how to survive in the bush, made lots of new friends, and had an enormous amount of fun". In the period of time that Robyn Bruce has been co-ordinating this programme 45 of our students have completed the Gold Award, which is a phenomenal achievement. We currently have 90 students involved in the programme, which is over a quarter of the school. I would like to thank Robyn for her ongoing commitment to the programme and also to all the other staff members and parents who give up their time and energy to ensure that the students are offered these amazing opportunities.

The second awesome event during the holidays was the school ball; the students did a great job of transforming the hall into an enchanted forest. The students looked stunning as always and conducted themselves beautifully. Thanks to the PTCA for catering the event, for those community members who assisted with security and to the year 10 waiters and waitresses.

During week one of this term we had a four day visit from the Education Review Office. They visited classrooms, spoke with various groups of staff and students and checked the school's documentation. Their initial findings to the Senior Leadership Team and Board of Trustees were extremely positive and were a great endorsement of the positive, safe, learning culture at the school. The lens which they look through is 'conditions which support equity and excellence' and they verbally commented that we had a very positive and respectful school culture and tone which supported equity and excellence. They also felt that the whakatauki 'He waka eke noa' was evident through high levels of collaboration and shared commitment to supporting equity. The full report will be available later in the term. Once this is finalised it will be shared with the school community as well as being available on the ERO website as a public document.

Coming up in the next few weeks are :

OTA Arts Festival Thursday 17th August), Reporoa Sports Exchange (Sunday 13th – Tuesday 15th August) and enrolment evening (Wednesday 23rd August). Please note that Friday 25th August is a staff only day therefore the school is closed for instruction.

Rachel Clothier-Simmonds



Have you seen our Facebook page?

<https://www.facebook.com/otamateahighschool/>



School Ball – Enchanted Forest

On the 10th of July we had the annual Otamatea High School ball and the theme this year was 'Enchanted Forest'. We had trees of all kinds donated by Kauri Park and fairy lights covering every inch of the hall and DJ Si creating a great vibe for the night, with around 140 students attending this year (the most in the past few years!).

Everyone enjoyed themselves and the prizes this year went out to

Beau and Belle:

Daniel Rakoia and Nikayla Abel

Prince and Princess:

Rory Matheson and Erin Corble

King and Queen

Blake Sims and Shuntel Rika

Best dressed

Portia Wehi and Matthew Riddlestone

Cutest couple

Molly Curnow and Curtis Stanaway

I would like to thank everyone who helped me make this ball such a success and for everyone who attended and made it such a wonderful night.

Lenhy Massey



Year 7 and 8 Science Fair

Last term the year 7 and 8 students spent many science lessons planning, carrying out and presenting science fair projects, on topics of their own choosing. Students worked in groups of 1-3 and explored a wide range of topics, from exploding lunch bags to floating eggs, best insulators to bottle rockets. Last Thursday we displayed their work in the hall and had many students and teachers and some parents come through to view the projects. Prizes will be awarded to the students on Wednesday 16th at our school assembly. Winners will also receive the Fonterra cup. The Year 7 judges were Steve Davie-Martin and Cath Lewis and the Year 8 judges were Nicky Cotching and Nyree Alcock. We would like to thank our major sponsors, the Otamatea High School PTCA, who bought our brightly coloured display boards.



	Year 7	Year 8
First	Kate Cotching: Winter warmers	Poppy Scott & Billie Le Mesurier-Cowbourne: Which is worse?
Second	Emma Browne: Nut power	Max Tornquist: Paper planes
Third	Meg Paton: Which candle burns fastest? Ella Baker: Which cup keeps warmest?	Michael Ferguson: Weighing lolly packets
Presentation	Ayla Antunovich & Monique Sheppard: Yeast balloons Millie Hodgson: Mouldy bread	Maia Fairburn & Candace Smith: Pop pop popcorn
Effort	Chloe Millard: Which candle burns hottest? Morgan Bull & Jacob Kake: Citrus Power	Ashlie Huggett: Which plastic bag is strongest?
Originality	Shayden Peele, Branden Edwards & Tamatea Tilby: Waterproof hunting gear	

Maths Olympiad News

Round three of the Australasian Problem Solving Mathematical Olympiads (APSMO) competition was held at school on Wednesday 26th July. The year 7s are entered into the junior competition and the Year 8s and 9s are competing in the senior competition. Round 3 was another tough round, particularly for the juniors. The top scorers were all seniors with Coryn Yorke, Cory Browne and Amy Lawrence each scoring 3 points.

Leading scores after the 3rd round are:

Junior Year 7s: Kyin Smith (6 points), followed by Morgan Bull and Shayden Peele (both on 4 points).

Senior Year 8s: Michael Ferguson and Sarah Campbell-Winter (both on 4 points)

Senior Year 9s: Cory Browne (10 points), followed by Amy Lawrence (7 points)

Well done also to all the other students who took part for their fantastic efforts. Even if you didn't do well you are challenging yourself and learning a lot of maths.

You will find a copy of the Round 3 junior competition questions later in this newsletter. The answers are 16, 14, 50, \$2.50, 1837

Dirk Smyth

New Signs for A4



Since last year A4 has been the class for Self-driven Pathways, an option for students in year 12 and 13 to become managers of their own learning. The setup of the room and the furniture were planned to be different from a classroom and put students in a workplace environment.

During the last holidays a further milestone was reached when the room's signs went up after the whole school building has been painted in the new crisp white and blue.

The idea is to help students envisage themselves entering a business where they are working so that they can practice workplace skills such as time management, responsible behaviour, collaboration with peers and superiors, office etiquette and career management.

Mrs E. van den Berg



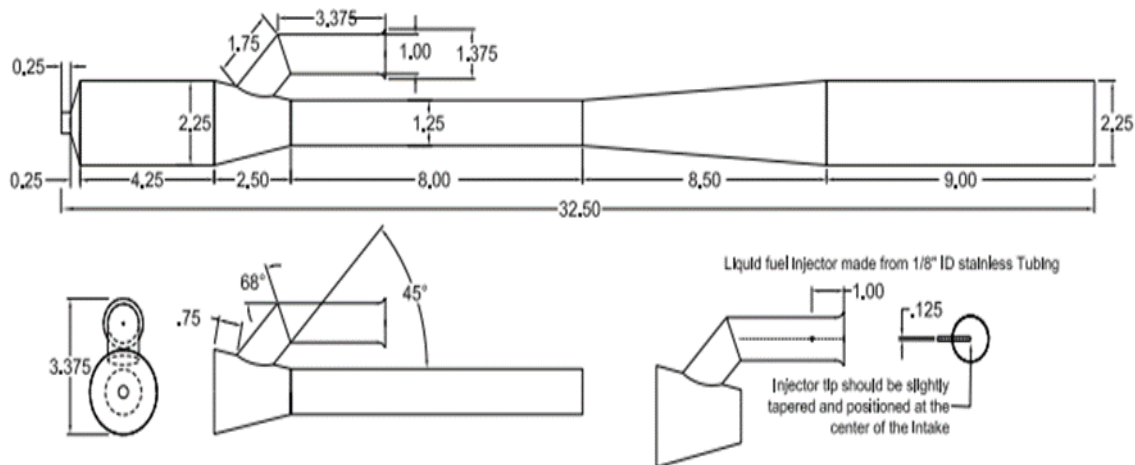
Are you receiving the weekly **Te Panui o Otamatea** via email every Friday?
If not please call Nikki Donaldson 0800 682 628

Rocket Science comes to Otamatea High School

Two Year 11 students, Cole Doyle and Braeden Yardley have been working on an exciting and noisy extension project in Level 1 Engineering, a pulse jet engine. This is the same jet engine that was used in the V1 flying bomb in WW2 and required the students to accurately calculate the sizes and shapes to be cut and shaped from mild steel plate. As the plans came from USA, all dimensions needed to be changed to the metric system first.

A video of the working jet engine can be seen on the school facebook page.

Mr M. North



Board of Trustees meetings coming up

Wednesday 20 September

Wednesday 1 November / Wednesday 13 December

Meetings are held in the Administration Meeting Room starting at 6pm.

Level 3 Hospitality Academy



The level 3 hospitality trip to M.I.T occurred on the 6th of July, the main focus was to complete a range of pasta dishes and gourmet sandwiches. We all had a great time, the highlight of our trip was when we got evacuated out of the building and once we came back in we used plug in stove tops to boil water to do our dishes at the end of the day



We've had a couple of fund days on Tuesdays with themes, firstly we had pizza day



We also have had Mexican day and cooked nachos

Whakairo 2017

Tena koe,

Ma te mohio ka marama

Through knowledge comes light

Ma te rongō ka mohio

Through perception comes awareness

Ma te mohio ka marama

Through awareness comes understanding

Ma te marama ka matau

Through understanding comes knowledge

Ma te matau ka ora

Through knowledge comes well being

Knowledge is important and the Whakairo class has opened doors to a new understanding. This understanding is built into the guided assessment booklets for Whakairo level 2 & 3 Unit Standards.

The images below are evidence of their knowledge. Twelve students have shown their dedication to the research, understanding and the application methods required to paint and carve their ideas for the waharoa project. The school has two Waharoa and this has been support for these students throughout this project.

They are well into the making process and will be finished by the end of this term. The students will be erecting the Waharoa at Otamatea Marae before the opening which is on Saturday 14th October 2017. This construction process will also enhance their knowledge in the building trade and will be guided by a local registered builder.

The class has been offered to exhibit some work this month's OTA Arts Festival on Thursday 17th August.

Nau mai hoki mai ki te mahi.

Come whanau and friends, show your support for these wonderful students, they are working hard.

Kaiako, Jay Simmonds



Heke designs
from four
students
Seb Nowell,
Rubin Paikea,
Sam Nowell,
Te Arna Matefeo



Carved Pou
representing
Tane Mahuta

Jesse Tautari and
Ryan Owens



R. TUCKER THOMPSON YOUTH DEVELOPMENT

Confidence ★ Leadership ★ Teamwork

The R. Tucker Thompson is a great way to see our coastline! Designed to develop confidence leadership and resilience, they can be life changing experiences... not only that, they are a heap of fun! On board, students learn about safety at sea and the marine environment, as well as navigation, sailing and seamanship. There is an opportunity to explore the amazing Bay of Islands and the Northland coastline, catch fish, explore our islands and make new friends. If you are a young person aged between 13 and 17 or know of someone that is interested, please contact youth@tucker.co.nz asap or complete an application form from Otamatea High School or this address http://tucker.co.nz/youth-voyages/sail_training/

Two students have been lucky enough to experience this life changing trip in Term 2. Shawna Hawken and Dietrich Von Dincklage.

Highlights from Shawna's trip were seeing North Island robins which have recently been reintroduced through the efforts of Project Island Song, rowing through the Hole in the Rock and going to Deepwater Cove for a snorkelling. Shawna earned her turkshead bracelet conquering the Tucker Challenge (Climbing up the rigging and out to the end of the yard arm).

Dietrich sailed from Marsden Cove to Opua and was one of the first to conquer the Tucker Challenge. On the last day winds were blowing 35, gusting 45 knots, rough sea. Top sails and fore sails were removed for maintenance as they motored back to Opua. Dietrich created the passage plan and navigated the ship home. The voyage also contributed to Dietrich's Duke of Edinburgh Award.



The Duke Of Edinburgh's International Award, Gold Ceremony, King's College School, Auckland 9th July 2017

It was with immense pleasure that Mr Wayne MacLennan, Mr Dirk Smyth and myself were able to attend this prestigious ceremony where ex students, Ayla Wehi, Tashae Paikea, Ruby-Rose Hallamore, Erin Mooney, Jessica Linton, Jesper Smyth, Connor Small, Kalani Wehi along with current head girl, Samantha Allen were presented their gold award by her excellency, The Rt Hon Dame Patsy Reddy, GNZM, QSO Governor-General of New Zealand.

This was a record number of young people receiving their award from Otamatea High School. It was also the first time a current student attending our school, Samantha Allen, has received a gold award(while still at school) It is also the first time more than one family member has received their award at the same ceremony , Ayla and Kalani Wehi.



The gold award is the culmination of the four to five year journey from bronze as a fourteen year old. There is a great feeling of satisfaction that all the hard work and time completing each section has paid off.

The award offers valuable opportunities to learn life skills, make new connections and to engage more fully with communities. The experiences and the knowledge that has been gained will stand these gold recipients in good stead in years to come.

CONGRATULATIONS to ALL of you!!

Robyn Bruce, Award leader, Otamatea High School

DOE Silver Group Qualifying Exploration to the North Island Volcanic Plateau 13-16 July

Thursday 13th July, 3.30am saw the two school vans heading towards the Volcanic Plateau with the purpose of exploring the Waikato River as far as the Aratiatia Dam and looking at snow- it's uses,dangers etc.Due to the adverse weather dumping record levels of snow and closing all roads around the mountains,the group had to quickly adapt their exploration. With Stephen Orchard's expertise and knowledge of the area, plans and routes were quickly sorted.

We based ourselves for two nights at the Taupo All Seasons Holiday Park. From here we explored the Waikato River Track . This track highlighted several examples of water use of

the river from Spa Park, past the hot stream flowing into it, past the Huka Falls to the Aratiatia Dam. It was interesting to see an almost dry river bed fill up to a raging torrent once the control gates were opened.

Friday 14th July: This morning we set off at 8am to climb up Mt Tauhara 1088m . From the Mountain Road car park the group set out in sleet, which turned to snow flakes the higher we climbed. It felt as if we were in a "winter wonderland" as the snow under foot and all around got thicker. It was amazing being able to pick up a handful of snow from a branch to quench our thirst! At the top we were greeted by sunshine and a great view over Lake Taupo and the Kaimanawa Ranges.

Saturday 15th July: We awoke to a heavy frost and carefully drove to Turangi and on to Whakapapa. Thick snow blanketed the country side. We had a snow fight, made a snow cave and melted pots of snow to cook our lunch. We made blackcurrant slushies from the fresh snow....delicious! We drove to the Desert Road ,but it was still closed. We were allowed through the road block to drive to the Pillars of Hercules in the Kaimanawa Forest Park. The camp ground we reached was covered in snow and we pitched our tents at the edge of the beech forest where it was sheltered. We went for a walk in the bush in the dark. This gave us a different perspective and tested our sense of direction and navigation skills. That night we all wore every layer of clothing and we woke up to a heavy frost.



Sunday 16th July: This morning we tramped for three hours up the snowy Mt Urchin track to the summit 1392m. Again we were surrounded by trees and bushes laden with snow. The 360 degree vista that greeted us at the top was amazing- Lake Taupo, Mt Tauhara, Mt Ruapehu, Ngauruhoe, Tongariro and the Kaimanawa Tops. It was as if we were on top of the world! The vans looked like match box toys in the distant car park below. After soaking up the sun light and views we retraced our steps down the track. Snow fights developed and Alex got soaked!

We left the Kaimanawas at 2pm for the long drive home. Everyone was totally satisfied that we had experienced one of the most fantastic DOE adventures ever ! The memories and experiences will remain with us for life!

A HUGE THANK YOU must go to Stephen and Andrea Orchard, Andrew Swadling and Mrs Bruce for being our 'shadow party' and assessors.

Mt Pirongia Bronze Qualifying Tramp 10/11 July

On Monday 10th July, ten students and three adults left Maungaturoto at 4.30am bound for the Grey Road car park, Mt Pirongia. The tramp began on the Link/Tirohanga Tracks at 10.30am. The weather was fine and it wasn't long before the notorious steep tracks and mud of Mt Pirongia began! Lunch was enjoyed at the volcanic cone of Ruapane , 732m. We didn't stop long and were all pleased to climb down by chain to a sheltered ridge to escape the cold sou'wester. The terrain ensured that we tramped at 1km per hour. The cloud had enveloped the summit of Mt Pirongia ,959m by late afternoon ,so we headed for the Pahautea Hut and some warm food.

The new 20 bed hut has no heating and it was like "a freezer". The girls slept in the old 9 bed hut which was just as cold, with the added excitement of possums fighting on the roof. A long, cold night was had by many!

Tuesday saw a bright, sunny morning and after leaving the hut we got to see the 360 degree views from the viewing platform at the summit. We could see Mt Te Aroha, Kaimais, Kawhia Harbour, Hamilton to name a few places. We joined the Mahaukura Track and reached the summit of the Mahaukura volcanic peak, 902m and then Wharauroa, 850m. The descent was very slow going again due to thick mud, gnarly tree roots and many chains both up and down3km covered in 3 hours!

This would have to be one of the most challenging bronze level tramps any of my groups' have done. Well done to all the adventurous trampers who completed it !

Thank you very much to Mr MacLennan and Mrs Orchard for being part of the group's "shadow" party and assessing their tramping skills.

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OHS 1st XI Football

The school has enjoyed another very successful season culminating in the team winning the Division One title after defeating Huanui, the Division One North winners, 8-2 over two legs.

The pre season was indifferent. Good sessions on the training ground were then dampened by a poor warm up match against Rodney College. However, there were enough good individual performances that day to warrant optimism amongst the players. The results for the season were as follows:

V	Bream Bay College	Won	8-2
V	Pompallier College	Won	13-2
V	Dargaville College	Won	6-0
V	Ruawai College	Won	16-1
V	Kamo High School 2 nd XI	Won	16-0
V	Rodney College 2 nd XI	Won	15-0
V	Huanui 1 st leg (Division 1 Final)	Won	5-1
V	Huanui 2 nd leg	Won	3-1

This season the team have dominated their opposition and begs the question of whether they were good enough to play in the premierships against teams from Whangarei Boys High and KeriKeri. We have had the outstanding talent of Josh Nishitani-Hart who made his debut in Year 9 and has been every present in the team ever since. Josh has led by example, quiet by nature, he has excellent skills and has proved to be the stand out player on the pitch for the last few seasons; he will be sorely missed. Other Year 13's that have represented the school with distinction are Travis Flannagan, Lee Holst and Lochy Steedman. Travis first played in Year 10 and has been a big character throughout those years gelling the team together with his influence as well as his performances. Lochy has been outstanding in defense all season as the team have conceded 7 goals in 8 games, an excellent record. Lee Holst debuted this season and added strength to the back line playing very well.



There are a number of year 12 students who will step up next year as the senior players. Mathias Damsted, Bailey Hudson, Sam Stephens, Gian Liu and Caleb Hayes all made very good contributions to the season. Mathias was a regular on the score sheet and even centre back Bailey Hudson scored two excellent goals during the season. Gian and Caleb improved in their confidence and hopefully next season will flourish as senior players. Samuel Stephens had another outstanding season. He has a great deal of skill and he was able, like Josh, to bring other players into the game giving them the confidence to express themselves for the team. He is a great prospect for the future if he decides to follow the football pathway.

There are many year 11 students in the team and Tyler Flannagan and Mathew Hamilton are two players with a bright future who next year will provide the creative influences upon the team. They have great skill and are now physically developing into strong players to be reckoned with.

There are many year 11 students in the team and Tyler Flannagan and Mathew Hamilton are two players with a bright future who next year will provide the creative influences upon the team. They have great skill and are now physically developing into strong players to be reckoned with.



There have been other players who have developed their game throughout the season. Jaime Kurupo has been scoring at will; Connor Mitchell is learning his positional awareness, Daniel Rakoia picked up the goalkeepers gloves and has proved himself to be a steady player, Alex Parr continues to get better and is improving his skills and debutant Hamish Ferguson has realised some of the finer points of the game and will be looking to cement a starting position for next year.

Overall the 1st XI have had a great season in 2017 and have a bright future ahead of them.

I would like to thank Mr Murphy for refereeing and assisting with the team this season and Mark Flannagan for helping with the transport and supporting throughout the season.

Mr P Chambers

Northland Secondary School's Floorball Senior and Junior Tournament

On Friday 23rd June a senior and junior mixed team travelled to Kensington Stadium to participate in the Northland Secondary School's senior and junior tournaments.

Senior Tournament

This event had four school's competing. During pool play Otamatea won against Kaikohe Christian school and Huanui College. We drew against Keri Keri high school. This put the team in the final against Keri Keri High School where Otamatea picked up their game to win by a comfortable 6 goals to 1.



Junior Tournament

This tournament had seven teams competing. The Otamatea juniors started off with a couple of losses but got better and better as the day proceeded to come away with a final placing of third overall.

Otamatea High School presents....



7PM, School Hall, \$5 students, \$7 adults
tickets available at the office

August 17th **OTA Arts Show** 2017

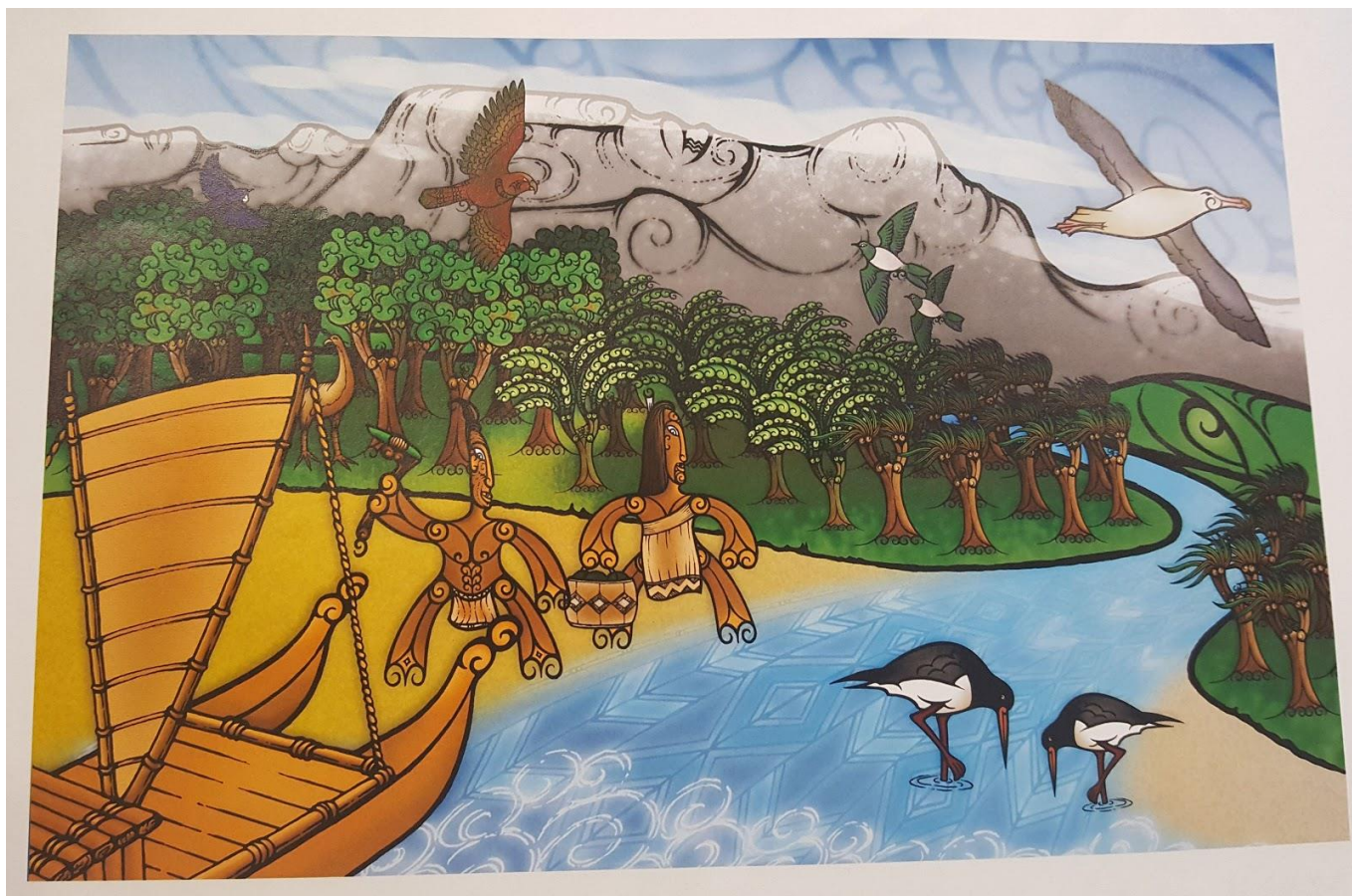
Year 11 Rangatahi/Youth Futures

Over the last four weeks year 11 students followed a programme that was developed by CareersNZ to help them think about opportunities they might take after school. The programme was delivered on Mondays and Tuesdays during whanau time. The overall message was illustrated by the whakataukī Ka whati te tai ka pao te tōrea. When the tide ebbs the pied oystercatcher strikes.

The contents showed students the different economic opportunities in our country and encouraged them to look at what might be the ones that would suit their strengths, interests and values.

Each student completed an action plan that listed new things they might like to do, thinking of possible career goals, identifying new people they can use to have a conversation about their future career goals and what they need to do at school, this year, in NCEA level 1 to open up possibilities in the future.

The artwork for the action plan represent each of the aspects students considered.



Community Careers Evening

On Thursday 22 June 2017 a group of parents and senior students met with three people who represented the broad options students can take when leaving school. Each person had a short presentation.

Rebekah Sulman from Massey university discussed the main issues of going to university with a presentation called “Demystifying University”. She addressed aspects such as deciding whether going to university is the best option for the student, the cost factors and financial benefits, accommodation, terminology and student life.

Kat Tasker from NorthTec presented a combination of information and video about studying at a polytech and earning a certificate, diploma or degree. The fact that North Tec’s main campus is in Whangarei was highlighted and the benefits of a Northland study option was discussed.

Ben Hilder represented the trades and specifically BCITO, which is the training organisation for 55 building trades including lesser known ones such as tiler and glazing. He showed video’s of apprentices at work being very satisfied with the fact that they earn while they train.

Afterwards parents and students talked to the presenters and discussed more in-depth questions. Everybody was very happy with what they learnt and felt that it was a worthwhile evening.

A slide from the last presentation that sums up the message of the whole evening is:
Mrs E. van den Berg



Otamatea High School Fitness Centre

Join Now

Visit the school office to secure your annual membership

A great range of gym equipment to work every part of your body

Year 7 Poetry

In Term 2 English, the Year 7 students were reading and writing a variety of poems. We looked at the structure of different poems and learned that poetry is a little like visual art- it can be whatever you want it to be! Here are a few poems written by the students (some who chose to remain anonymous), based on poems that we had read.

The Middle of the Night

"What's that
drip dripping
In the bathroom"?

"It's the tap
You hear
Drip dripping

"Who's that
Barking
Outside"?

"It's the neighbour's
Dog barking
In the rain"

"What' that
Swish swishing
Behind my window?"

"It's the trees
Swish swishing
In the storm"

"Who's that
Howling in the
Middle of the night?"

"It's the wind
As it passes
Our house"

"Who's there?"

"I'm here, now go to sleep".

By anonymous.

MY PEN

Did you know?
Four months ago
my pen was
full of ink.
It ran out when
the pen was dancing
across the page
for hours everyday

By Kyin Smith

POLAR BEAR

THE MYSTICAL CREATURE
ALSO KNOWN AS THE
POLAR BEAR
EATING SEALS
FURRY AND FAT
BODY LIKE A ROLLED UP
CARPET

BY CJ.W

Playing Fetch

Swoosh swoosh throw the ball,
dog shoots off like a rocket,
runs too fast trips over
and tumbles down
the hill.

Silly dog can't find the ball blind
as a bat needs help look dog
look there you go you
found the ball bring
it back.

Slurp slurp yuk! dog slurp slurp
stop it, doggy you are a funny
puppy you're a sunny
puppy good boy

By Chloe Millard

Horses

Dun dun dun, dun dun dun
Hoofbeats pounding against
the hard ground,
While we gallop down the fence line,
Dun dun dun, dun dun dun.

I feel the cold air lashing
Against my cheeks as I
Race through the open fields,
Dun dun dun, dun dun dun.

I can see the world flashing by,
With all its smells, sounds and
Sun up in the sky.

By Elsie Holcroft.



Reading

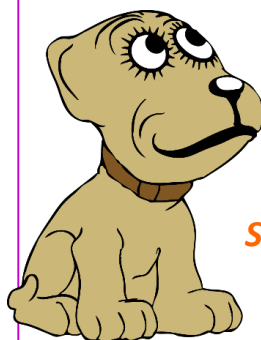
Swish, Swish

The soft noise as I turn
the page, words sitting
patiently for me to read.

The story wraps around my brain, I
am not on the couch
anymore, I am in a different universe.

Swish, Swish,
I turn another page.

By Anonymous



Dog

*She is a tough dog
And as fit as a lion
And as warm as a sheep*

*She is small but a big hand full
A good pet*

*She is faster than Usain bolt
And so energetic
Her name is rose and she's 2 years old*

By Branden Edwards

HAWK

He is a jet in disguise.
His missiles hiding
throughout his feathers.

He is a spy,
his eyes are as strong
as binoculars,
hunting for his prey.

He is like a cat.
With its strong claws
to rip apart prey, as easy as
paper.

He is Albert Einstein
with precision,
he plans his next attack.

By Jacob Kake

Pig

She is fat and lives in an old shack
Dumped in a fresh paddock.

She is fast though she has short,
stumpy legs.

She is pink with brown splotches of mud
covering her rounded, hairy back.

She is lazy
Lounging around in the nice warm shining sun.

She is a mother of 5 cute little
piglets with short stumpy snouts.

She is the pinkest, prettiest pig on earth
She is the queen.

By Emma Browne

YEAR 7 HAREKEKE WEAVING

In Term 2, as part of our social studies inquiry on natural resources, we learned about harakeke. We were fortunate to have Sharleen Phillimore and Shelley Longley come into school and spend time teaching us to weave. As it was Matariki, we made stars from the harakeke. You can see them 'shining' in A Common area.

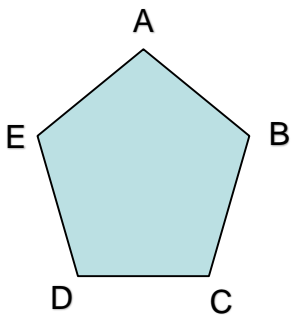


Maths Olympiad 3



3A Time: 3 minutes
What is the value of $\frac{8 \times 6 \times 4 \times 2}{4 \times 3 \times 2 \times 1}$?

3B Time: 4 minutes
Regular pentagon ABCDE has a perimeter of 10 metres. Devin walks along the pentagon directly from A to B to C to D to E to A to C.
How far, in metres, has Devin walked on this path?
(Note: Regular means that the sides are the same length and the angles are all the same size)



3C Time: 5 minutes
How many 3-digit whole number are multiples of 18?

3D Time: 6 minutes
At a store, one doughnut tow two eclairs cost \$4.00. Two doughnuts and three éclair cost \$4.50.
What is total cost of one doughnut and one éclair?

3E Time: 7 minutes
In a cryptarithm, every letter represents a different digit.
In the cryptarithm shown, determine the greatest possible value of SIGN?

$$\begin{array}{r} \text{PEN} \\ + \text{INK} \\ \hline \text{SIGN} \end{array}$$

Answers earlier in this newsletter

IWI DEANS

Whatua	Bruce Alison	bruce.alison@otamatea.school.nz
Arawa	Chris Gill	chris.gill@otamatea.school.nz
Ngapuhi	Steve Davie-Martin	steve.davie-martin@otamatea.school.nz
Maniapoto	Yvonne Gee	yvonne.gee@otamatea.school.nz

FREE Counselling, Doctor and Public Health Nurse services available at the school. Contact the Student Support Centre for an appointment



Otamatea High School
120 Bickerstaffe Road, Maungaturoto
Office Hours: 8am – 4pm
Telephone: 09 431 8230 Freephone: 0800 682 628
Facsimile: 09 431 8229
Email: ohs@otamatea.school.nz