



## Papakura High School Panui Week 11 Term 1 2018

Dear Parents and Caregivers,

Greetings, Kia ora, Talofa lava, Malo e lelei, Kia orana, Fakaalofa lahi atu, Namaste!

Term 1 has been another exciting, action packed and focused term for the whanau of Papakura High School. In this first edition for the year, you will read about some of the amazing progress our students are making in Information Technology - bringing learning to life through the medium of 3D printing. Visitors to our school would also be impressed to see the very large size school logo on the front of our assembly hall. Our school is going through times of major change - one of the most pleasing of these is the significant increase in our school roll. Our Year 9 intake for 2018 is 181 students - a great increase from only 120 a few years ago. We are very happy that our overall roll is well above Ministry of Education predictions for the year - a sign of very positive progress for our school.

**John Rohs**  
Principal



Visit our website [www.papakurahigh.school.nz](http://www.papakurahigh.school.nz)

# 3D printing at Papakura High School

## (ICT Department / Junior Curriculum)

Greetings, Kia ora, la orana, Talofa lava, Malo e lelei, Kia orana, Fakaalofa lahi atu, Namaste!

With the Government proposing to shift education into a digitally oriented system, Papakura High School has made some significant adjustments in the junior programme. Our ICT department is covering two key areas – “computational thinking” and “designing and developing digital outcomes”. This also includes computer programming, coding and 3D printing.

When I first saw a 3D printer in action, I knew the device belonged in my Digital Technology programme at Papakura High School. The technology could guide students all the way through the manufacturing process — from concept to completion — and reward them with an object they could physically hold in their hands.

But it wasn't until I had an Ultimaker 2+ printer in my classroom that I realized its value as an educational tool. Being able to bring those designs to life with a 3D printer adds a whole new dimension to the student experience.

Motivating students is one of my biggest goals in teaching. It's important that they learn to do technical drawings and to use the appropriate software, but when you make it come to life with the 3D printer and they can touch it and feel it, they want to do more and learn more.

That level of interaction creates engagement, and it's a big reason why more schools in New Zealand are investing in the technology. 3D printers in our school help students think creatively. It's a whole new medium with a new range of possibilities.

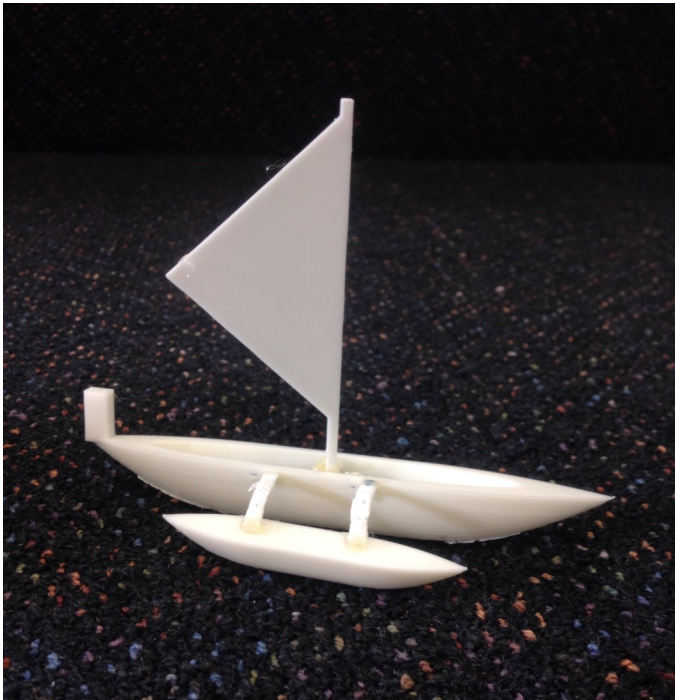


Therefore, I decided to implement this new programme with my junior classes (9KIRI, 9APAR and 9OTUU). The level of engagement from students was amazing. 3D printing allows my students to bring ideas to life, going from a sketch on paper to a physical model. Students were asked to develop a series of designs based on their cultural background. A large number of students created a design based on our school Marae and their final 3D designs were incredible.

It is amazing to see our students becoming creators. Instead of consuming the creations of someone else they became the inventors themselves. We aim to provide the best learning programme for our students that will increase their knowledge and skills.

*Left: Vaarii Tuhoe  
Head of Information and Communication Technology*

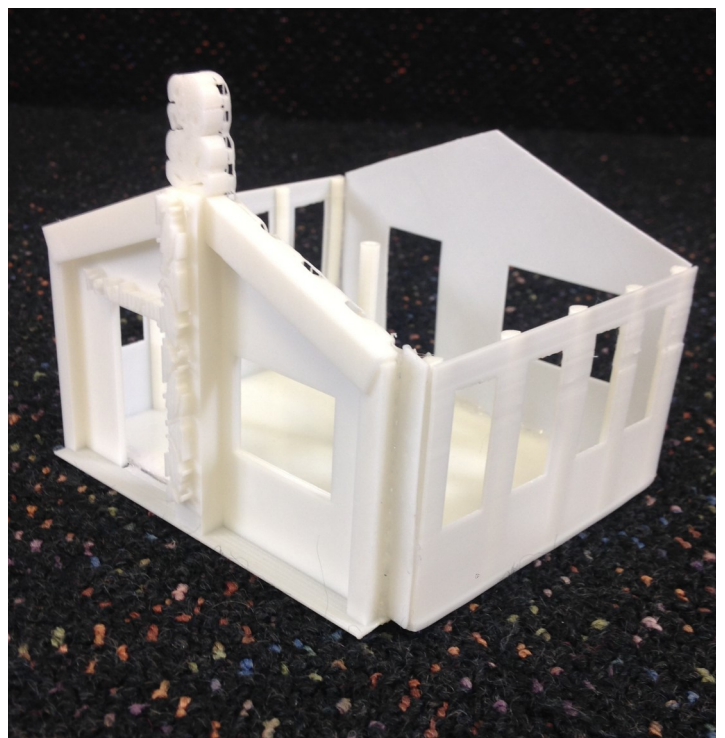




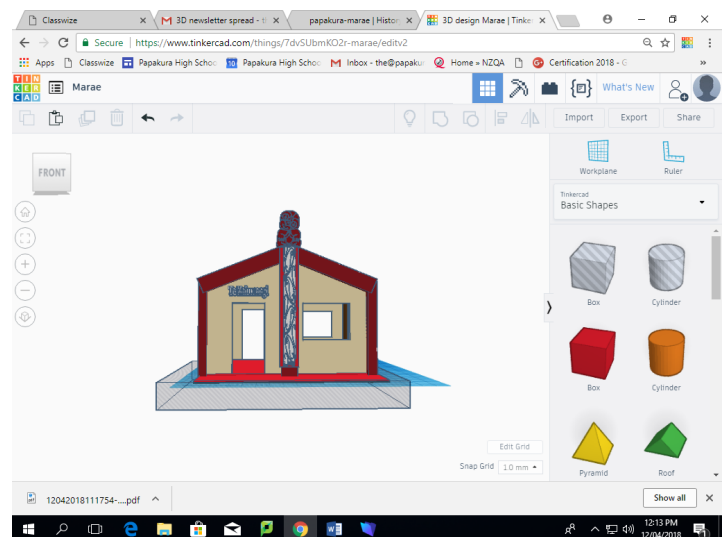
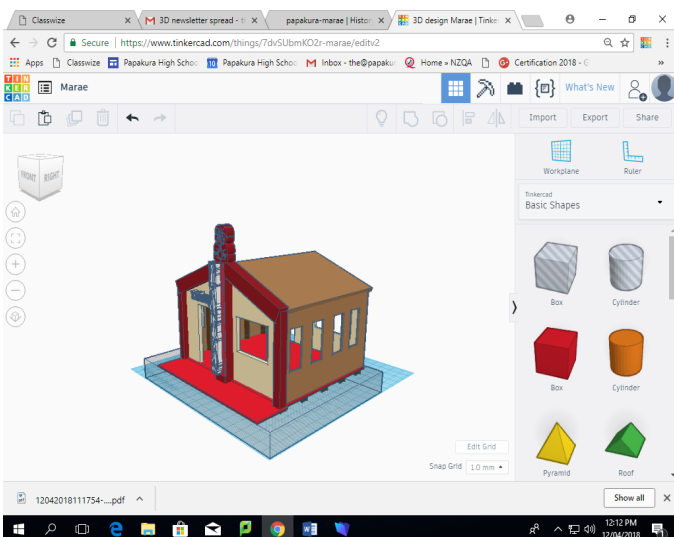
This waka was designed by Athens Pirika-Kohu (90TUU). After some investigation on Pacific migration, navigation and voyaging vessels Athens decided to create his own waka which he believes has a strong connection with his Maori culture.

Students were given the opportunity to explore the different aspects of our school Marae. Within the strong groundswell of interest in Maori cultural and social activities, many of our students are gravitating to the Marae where they can share stories, ideas and practices.

**Tinkercad** is a simple, online 3D design and 3D printing app for everyone. **Tinkercad** is used by designers, hobbyists, teachers, and kids, to make toys, prototypes, home decor, Minecraft models, jewellery – the list is truly endless!



*Below: Screenshots of the programme students used to create their 3D designs.*





## L2 & L3 English and Drama



***“Double, double, toil and trouble; ...”  
Macbeth, Pop-Up-Globe***

On a fine Tuesday, our Senior English and Drama students travelled to the Ellerslie Racecourse to watch Macbeth at the 2018 Season of the Pop-Up-Globe.

There was no trouble with our students, only toil, tears and blood spilling across the audience in this action packed performance. Our students revelled in being part of the performance, standing with the actors and at times being unwitting extras in the performance that surrounded us.

As Macbeth and his wife, played by Amanda Billings of Shortland Street fame, set about their toil and trouble on stage our students were gripped by the action and what might happen next. For some it was the perfect introduction to Shakespeare, and the others a welcome return (even if it was raining blood).

All in all, the day was successful and has resulted in a lot of discussion of ideas and themes that can be transferred into our upcoming assessments.

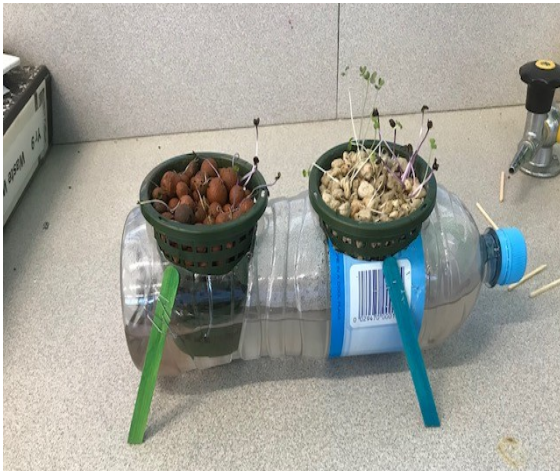




# STEM Department Term 1

## Design Thinking, Problem Solving, Model Making and Prototyping

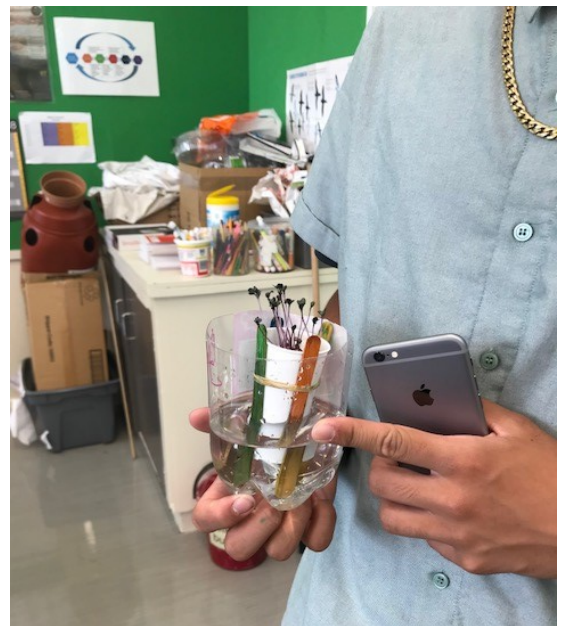
Students in the STEM programme are taking part in cutting edge learning by using design thinking to problem solve everyday issues. STEM requires participants to utilise their own entrepreneurial skills to produce new and exciting practical solutions to everyday problems. Construction Pathway students have been designing, modelling and prototyping hydroponics units to grow microgreens for the hospitality department. The finished units will be used and tested by hospitality students and feedback given to the students who designed them. These projects enable students to use their own skills alongside learning new knowledge to produce their own products. Students can gain NCEA Level 2 and 3 credits as they progress through their work.



## Making a unit to grow Microgreens for the Hospitality department.

*Photos above and below:*

Students make models of their designs to help them figure out materials, construction and any issues. They make prototypes to test their design and assess if they need to refine their design before making the final product.





# Young Women in Leadership Programme

Papakura High School has been involved in the Massey Young Women in Leadership programme for some years now.

We are delighted to announce that the young women pictured below have been offered a place in the programme for 2018. These young women will undergo a leadership workshop at Massey University and design and deliver a project at Papakura High School. The leadership project they have chosen is based on raising awareness of self harm and suicide prevention.

Other potential leaders from each whanau will be co-opted to join forces to deliver a school wide awareness event. This commitment by the young women to be involved in this challenging choice of projects is very impressive.

A wide range of consulting with various staff and community leaders has begun. The group will work alongside a Massey University leader and mentor. Their project will begin by undertaking a survey of both staff and students, to gauge exactly where the awareness gaps in self harm and suicide prevention are. This issue is 'close to the heart' for them and they hope to make a difference in the school and wider community by raising awareness.

Their leadership experience will be shared with all the participating high schools in May.

The girls launched this programme with a Mufti Day held on the last day of Term 1.



*Pictured above left to right: Brooke Himiona, Desiree Mycroft, Zita Maree Pickering, Susiana Crichton, Seraphina Lui and Michelle Vainerere*



# Kahurangi te Uta



**Kahurangi te Uta  
on What Now 1st  
April. Check out the  
full hair-raising  
video on our PHS  
Facebook page or  
TVNZ on Demand.  
Mahi whakamataku**





# Kura Sport



*Above: Mixed Touch team preparing for game*

*Above: Senior volleyball girls against Mt Roskill Grammar at Auckland Champs*

*Right: Aubrey Petersen in the senior boys high jump event*



*Below: Senior Mixed Touch Team playing Aorere College*

*Below: Talia Rumbold racing in the 1500m junior girls*





# Sport

## Mixed Touch

Our team has made the finals for the mixed competition and will face off against Aorere College. One player to watch out for is Year 9 student Kahurangi Woollen.

## Athletics

This year we saw 11 of our students represent Papakura High School at the Athletics Counties Zone. A stand out performer was Sione Tomu who came first in his 100m sprint event for intermediate boys.

## Senior Volleyball

Our senior volleyball entered three teams into the competition this term, with all of our teams making it to the play off rounds of their league. Our senior girls team represented us well at the Auckland volleyball championships, winning three out of their four games. Leading the charge was student-coach Foketi Tuiolemotu with her high work rate for her team.



*Above: Senior Volleyball girls with Elim Christian College at Auckland Champs*

Visit our website [www.papakurahigh.school.nz](http://www.papakurahigh.school.nz)



## Senior School Ball Information



### **Senior School Ball** **Friday 14 September 2018**

*Information packs and permission slips available from Week 1 Term 2.  
\$20 deposit to be paid to accounts by end of Term 2.*

**Fundraising Committee** has a number of events and activities planned so make sure you get out and give your support.

**Bunnings Warehouse Takanini Sausage Sizzle Saturday 28 April 2018**  
**9am—4pm**

*Car wash days will be held during Term 2 on a regular basis.  
Look for dates on our facebook page*





# Papakura High School Wellness Centre

DON'T BE SHY!!

Clinic staff: Sue Iles and Angem Din

Mob: txt/call 02102573660 or tel 09 2951516

Email: [A.din@papakurahigh.school.nz](mailto:A.din@papakurahigh.school.nz) & [S.iles@papakurahigh.school.nz](mailto:S.iles@papakurahigh.school.nz)

Services we provide:

- Sore throat clinics
- Sexual health
- Mental health
- Wound care (cuts and grazes)
- ACC forms for injuries
- Organise doctors, physio, dental appointments
- Assess all injuries/illnesses
- Home contact
- Health promotion eg smoking cessation



## Winter Weather and Uniform

This is just a reminder to all parents and whanau that the Uniform Shop in Wood St stocks all of our winter uniform items. Our new school jacket is available - there are a range of choices but these are the only permissible jackets which must be worn. If families are struggling with the costs for a number of students for uniform, please contact our pastoral team. Hoodies, beanies and other items are not permitted.

Second Hand Uniforms are always in great demand. If your child has outgrown theirs or they no longer require it, please drop it into the office – someone else will make use of it.

For more information visit our website [www.papakurahigh.school.nz](http://www.papakurahigh.school.nz) and go to the Enrolment tab.



*Thank you Amanda Kavemanu for modelling our smart winter jacket.*



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### Enrolments 2018

Please contact Mrs Muir,  
Enrolments Officer for an enrolment pack.  
ph (09) 296 4400 ext 733

### Absences

must be telephoned through to our Attendance  
Officer. Please leave a message on

09 296 4400 ext 706  
0508 ABSENT  
0508 227 368

Email [znv@papakurahigh.school.nz](mailto:znv@papakurahigh.school.nz)

### Kaiarahi Whanau Contact Details

Otuuwaitoa	Troy England	021 1300 847
Te Aparangi	Gail Boyce	021 1287 644
Kirikiri	Di Corban	021 1271 076



### NCEA Fees and Financial Assistance

Entry Fee \$76.70  
Entry Fee with Financial Assistance \$20.00  
Entry Fee for NZ Scholarship subject \$30.00 per  
subject.

Financial assistance forms must be completed by  
1st September 2018.

Forms are available from accounts department.



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

### Important Dates

#### Senior Report Conferences

Tuesday 26 June  
2.30pm—7.00pm  
Lessons finish 1.30pm

#### Start Term 2

30 April 2018

#### End Term 2

Friday 6 July 2018

#### Start Term 3

Monday 23 July 2018

#### Tournament Week

3—7 September

#### Senior School Ball

Friday 14 September 2018