From:	Kemp Reweti
To:	Renee Davis
Cc:	<u>Sheryl Waru</u> ; 9(2)(a)
Subject:	Pre-Briefing Document for Mid-Year Activity Verbal Report Tuesday 12th July
Date:	Monday, 11 July 2022 5:24:43 pm
Attachments:	image001.png
	Pre-reading Briefing Document MoE & Puhoro 2022.pdf
Importance:	High

You don't often get email from 9(2)(a)

Learn why this is important

Kia ora Renee,

Thank you for this. As promised please find attached our Pre-Briefing Document for your perusal ahead of our zoom meeting (link in the calendar) tomorrow at Midday.

We look forward to updating you, and providing a verbal update on the progress and development of the Pūhoro STEMM kaupapa in 2022.

Thank you for all your tautoko Renee,

Ngā mihi,

Kemp Reweti (BA, MA)

#### Ngāti Parewahawaha, Ngā Puhi, Tainui, Ngāti Raukawa ki te tonga

Mana Hourua - Chief Operating Officer Pūhoro Charitable Trust 9(2)(a)



From: Renee Davis <Renee.Davis@education.govt.nz> Date: Monday, 11 July 2022 at 7:39 AM To: Kemp Reweti 9(2)(a) Cc: Sheryl Waru <Sheryl.Waru@education.govt.nz>, 9(2)(a)

Subject: RE: Update

Teenaa ano hoki koe e Kemp

Aue te aroha kua rongo i to koorero kua mate to ruuruhi, noo reira e ruhi haere haere haere atu ra. Haere atu ra ki a raatou e tatari mai nei i a koe. Haere, haere, oki atu ra.

E pai ana e hoa, any time this afternoon to get pre information is fine. Sheryl and I are happy to

## Pūhoro Charitable Trust Pre-Briefing for the Mid-Year Verbal Activity Report - July 2022

Prepared for the

# Ministry of Education Te Tāhuhu o te Mātauranga



#### **PŪHORO CHARITABLE TRUST PRE-BRIEFING DOCUMENT**

As per the Agreement between the Ministry of Education and the Pūhoro Charitable Trust Board please see the below reporting item as per section 4: REPORTS pg.3 of the agreement.

Report 3	Description
	A report detailing but not limited to:
	- Rangatahi engagement
Mid-Year activity verbal report	- Rangatahi achievement
	- Programme delivery activities
	- Regional growth
	- Trends, challenges and case studies

#### **Mid-Year Activity Verbal Report**

 A Mid-Year activity verbal report is scheduled for Tuesday 12<sup>th</sup> July 2022 with Renee Davis and Sheryl Waru which will further elaborate upon points that are raised in this Pre-Briefing document.

#### **Pre-Briefing document**

• As per our Report 3 descriptors please find the following overview which will anchor and orient our Mid-Year activity verbal report in 2022.

## <u>Rangatahi Engagement</u>

We present the following table to the Ministry of Education. This details the region, the number of schools engaged with in each, including the number of rangatahi in each year level cohort. The previous breakdown presented in the January 2022 Annual Written report, reported that at 31 December 2021, 1149 rangatahi engaged in the Pūhoro kaupapa across five regions. The following update at June 30<sup>th</sup> 2022 shows an increase to 1503 rangatahi in the Pūhoro kaupapa across eight regions :

## Rangatahi Engagement Breakdown Table:

	KURA	Y11	Y12	Y13	First Year Tertiary	Second Year Tertiary	Third Year Tertiary	Fourth Year Tertiary	Employment	TOTAL	REGION TOTAL
s O	Alfriston College	5	10	6	2	14				37	201
U T	Mangere College	2	6	3		2				13	
н	Manurewa High School	5	3	3	3	1	•			15	
A U	Onehunga High School	14								14	
C K L	Onewhero Area School	1	2	1	1	1	~0			6	
AN	Papakura High School	7	11	1						19	
D	Pukekohe High School	6	11			3				20	
	Rosehill College	12	4	2	3	4				25	
	TKKM o Mangere	6	13	5						24	
	Tuakau College	4	4	14	2	4				28	
C E	Auckland Girls' Grammar School	12	15	11	2	11	1	1		53	131
N T	Botany Downs Secondary College	8	11	5						19	
R A	Otahuhu College	7								7	
L	Sir Edmund Hillary Collegiate	9								9	
A U	Tamaki College	13	1	2						16	
C K L	Waitakere College	5	7							12	
A N D	Western Springs College	15								15	
С Н	Avonside Girls' High School 🛛 🔍	8	12	4	4					28	196
R I	Burnside High School	6	12							18	
S T	Cashmere High School	15	12	5	6					38	
C H	Hagley College 🛛 🔪 💙	1	7	2						10	
U R C	Rolleston College	6								6	
н	Shirley Boys' High School	14	11	3	5					33	
	Te Pā o Rākaihautū	13	12	3	3					31	
	Te Aratai College (formerly Linwood)	16	12	4						32	
H A	Hastings Girls' High School	13	3	8	7					31	198
w ĸ	Karamu High School	14	9		7	2				32	
E S	Napier Girls' High School	16	13		7					36	
в	Sacred Heart College	8	11							19	
A Y	Tamatea High School	4	6	4						14	
	TKKM o Ngāti Kahungunu o Wairoa	10	13	2						25	
	TKKM o Te Ara Hou	6	5	3	3					17	

	Wairoa College	14	10							24	
K	Ōtaki College	12	9	5	9	6				41	62
P	Te Kura Whakatupuranga Rua Mano	7	5	1	6					19	
Ť	TKKM o Te Rito			2						2	
M	Awatapu College	15	10	3	7	4	5	6	1	51	494
N A	Feilding High School	10	9	9	10	6	11	10	2	67	
W A	Freyberg High School	7	5	2	14	3	2	10		43	
T Ū/	Manukura	10	10	10	16	2	17	10		75	
RU	Palmerston North Boys' High School	19	24	18	11	14	11	11		108	
A P E	Palmerston North Girls' High	14	14	11	15	10	11	11	1	87	
H	Ruapehu College	20	4						G	24	
Ŭ	St. Peter's College	5	9	4	2	6				26	
	Ти Тоа	10	2	1				5		13	
R	John Paul College	8					•	0		8	26
T	Western Heights High School	18					X			18	
RU							0				
A W	Fairfield College	13				-				13	124
A	Fraser High School	13	11			.0				24	
A	Hillcrest High School	6	3							9	
o	Otorohanga College	14	13							27	
	Tai Wananga	10	8							18	
	Te Kauwhata College	10	8		2					18	
	Waikato Diocesan School For Girls	10	5							15	
м	Misc. Colleges of tauira enrolled as	1	2	1	2	21	20	23	1	71	71
s	distance OR TUPs from former										
Ŭ	Pūhoro schools	0									
	Pūhoro schools TOTALS	527	397	153	147	114	78	82	5	15	03

#### Iwi data

Pūhoro rangatahi affiliate to **86 iwi** throughout Aotearoa from Te Taitokerau through to Te Waipounamu. Pūhoro rangatahi are encouraged to register officially with their iwi online, and through different tuakiri (identity) sessions are able to further grow their own knowledge of their iwi and connections to the whenua.

#### Rangatahi achievement

#### NZQA Data Modelling

NZQA also capture achievement data through proportions of learners that gain science subjects. We received the data set late June and have not completed the full analysis however, we note the following achievement for Year 11 students.

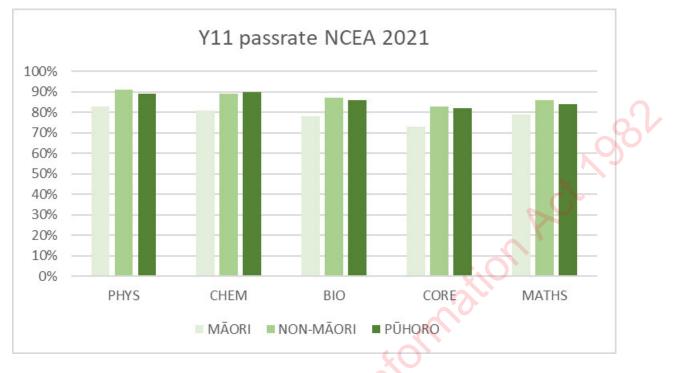
- 19.8% non-Māori Year 11 students gained one or more science subjects in 2021
- 8.9% Māori Year 11 students gained one or more science subjects in 2021
- 38.9% Puhoro Year 11 students gained one or more sciences subjects in 2021.

Almost 1 in 10 Māori students gained one or more science subject in 2021 and almost 1 in 5 non-Māori students gained one or more science subject in 2021. However for Pūhoro students, **almost 2 in 5 gained one or more science subject in 2021** thereby almost doubling subject achievement rates of non-Māori.

#### Rangatahi NCEA Achievement – Across Science Disciplines

This data is cut differently to the NCEA model above and reports achievement against discipline and includes students who gained a science subject (minimum 14 credits per subject) and those who may not have gained a subject but passed a standard or may not have registered for at least 14 credits in a particular science subject).

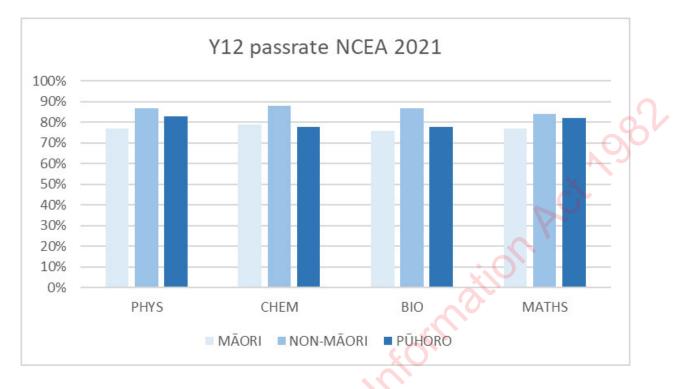
#### <u>Y11 PŪHORO DATA</u>



- Y11 Pūhoro rangatahi exceeded national Māori and non-Māori pass rates in Chemistry by 9% and 1% respectively
- Y11 Pūhoro rangatahi also exceeded national Māori pass rates in Physics, Biology, Core Sciences and Mathematics
- Additionally, Y11 Pūhoro rangatahi were on-par with non-Māori achievement rates in Physics, Biology, Core Sciences and Mathematics, coming within 1-2 percentage points of national non-Māori pass rates

Y11 Pūhoro rangatahi performed well in 2021 NCEA STEM achievement, continuing to maintain an achievement standard set by previous Y11 cohorts. Despite the difficulties of Covid19 (event cancellation, transition from kanohi ki te kanohi to online sessions), our rangatahi were able to continue to achieve impressive results.

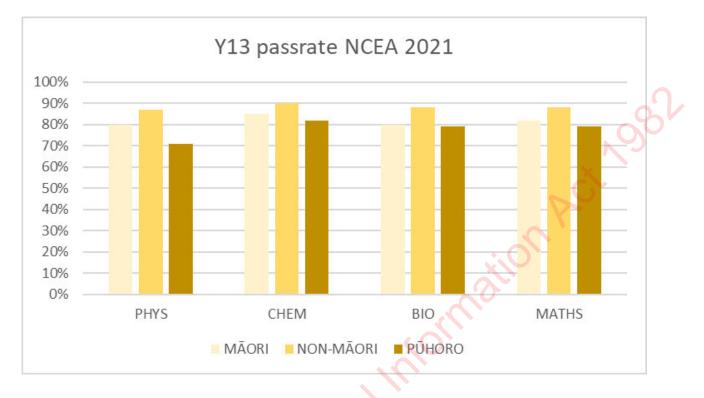
#### <u>Y12 PŪHORO DATA</u>



- Y12 Pūhoro rangatahi exceeded national Māori pass rates in Mathematics, being onpar with national non-Māori achievement, coming within 2 percentage points of their pass rate
- Y12 Pūhoro rangatahi also exceeded national Māori pass rates in Physics and Biology
- Y12 Pūhoro rangatahi achievement in Chemistry was also in line with national Māori pass rates, coming within just 1 percentage point

In 2021, Y12 Pūhoro rangatahi achievement was on-par or above national Māori pass rates. This is expected for tauira that at year 12, are choosing to maintain a science pathway when it is not compulsory. Additionally, some Pūhoro pass rates appear to be closing the gap with non-Māori results which is a great achievement.

#### <u>Y13 PŪHORO DATA</u>



- Y13 Pūhoro rangatahi STEM achievement rates were on-par with the national Māori achievement rate for Biology, coming within 1 percentage point
- Y13 Pūhoro rangatahi achievement rates were also virtually on-par with national Māori achievement rates in Mathematics and Chemistry, coming within 3 percentage points
- While Y13 Pūhoro rangatahi fell behind national Māori and non-Māori pass rates in Physics, it was a rise in achievement from the Y13 cohort of 2020 and continues to be an area of increased focus for 2022

In 2021, Y13 Puhoro rangatahi achieved on-par with national Māori in all areas of STEM bar Physics, however this result is an improvement upon the achievement of the Y13 cohort of 2020. Covid19 has continued to impact our senior Puhoro tauira in conjunction with all tauira across Aotearoa. However, despite facing the difficulties of personal, economic and whānau pressures and priorities, Y13 Puhoro rangatahi have remained engaged at school and in the sciences with many choosing to enter directly in tertiary study in 2022.

#### **Tertiary Transitions**

In 2022, despite the struggles and complexities that Covid19 has posed to our rangatahi over the past two years, 59% of Pūhoro Year 13 tauira transitioned directly into tertiary study in Semester 1 2022 with an additional 10% currently in preparation to enter tertiary studies in either Semester 2 of 2022 or in 2023. Of these tauira, 58% have chosen, or will choose a STEM pathway including, but not limited to, studies in the sciences, vet science, sport and health sciences, computer and data science and environmental sciences. A further 9% transitioned into apprenticeships/trades or preparations for the NZDF and 20% have transitioned into mahi. Additionally,7% of tauira in study have included Māori studies within their degrees and 5% of tauira in mahi are working in kaupapa Māori organisations.

At a time when Covid19 impacts have worn heavily on tauira physical and mental wellbeing, we celebrate all our tauira who amid these crises have persisted at school, completed their NCEA and have committed to a tertiary and STEM pathway.

#### **Programme delivery activities**

#### Whānau STEMM Expo

Pūhoro were pleased to deliver three Pūhoro STEMM whānau expo in the Waikato, Hawke's Bay and the Manawatū regions, following necessary protocols within the red light settings put in place during February-March 2022. The expo provided opportunities for Pūhoro rangatahi, accompanied by their whānau to come and understand more about Pūhoro, explore different hands-on science experiments and gain more of an understanding on potential careers in the Sciences and NZ Defence Force (NZDF).

On Saturday 19 February 2022, a total of **99 rangatahi** and whānau engaged in the Manawatū STEMM expo, followed by **104** rangatahi for the Hawke's Bay STEMM expo that occurred the following week on Saturday 26 February 2022. Waikato had the pleasure of engaging with a total of **78 rangatahi** and their whānau on Saturday 19 March 2022.

#### Wānanga Pūrau Mini STEMM Wānanga

In the Term 1 holidays of 2022, the Wānanga Pūrau events were created and implemented in response to the necessary cancellation of the Term 1 Wānanga due to Covid-19 group gathering restrictions. These were day events that were carried out in the regions by kaihautū and encompassed mātauranga Māori learnings, digital technology, and an array of broader science learnings to smaller rangatahi groups that were permissible within the current red-light settings of that period.

A total of *twenty-one (21) Wānanga Pūrau* were held across five regions and attended 214 times by rangatahi from Y11-13.

#### Term 2 Wānanga across Pūhoro regions

Pūhoro has successfully just completed Term 2 Wānanga across Auckland, Manawatū, Hawke's Bay, Christchurch, Rotorua and Waikato. This was the first time that wānanga had been held in Waikato and Rotorua, as they are both new regions for Pūhoro in 2022. This was also the first time that Termly wānanga had been held in their usual format as in Term 1 they were unable to go ahead due to red-light settings in place at that time. Term 2 Wānanga across the regions featured hands on workshops around STEMM and career exposure in the industry.

#### Pō Whakanui – Celebration of Pūhoro Interns

Pūhoro postponed the Pō whakanui in February due to red-light settings in place at that time and held it on Monday 4<sup>th</sup> July 2022. It was an opportunity to celebrate Pūhoro interns with their whānau and internship supervisors and showcase their research and work experience undertaken over the summer of November 2021 – February 2022. Rangatahi were able to present their internship posters which were judged by a panel, and furthermore it gave rangatahi a chance to disseminate the findings of their internship research to those in attendance.

#### **Regional growth**

#### **Confirmed Partnerships**

#### ESR – Institute of Environmental Science and Research multi-year partnership

On Monday 6<sup>th</sup> of December 2021. ESR representatives and the Pūhoro team joined for a special online signing and acknowledgement of the ESR and Pūhoro agreement named the Manatū Whakaaetanga – Stakeholder Relationship Agreement. Due to the challenges with Covid-19 at that time it was agreed that Pūhoro and ESR would meet together online to celebrate the national partnership. Appropriately, under the guidance of tikanga Māori, the celebratory ceremony began under the guidance of Ngāti Toa who performed karanga, karakia and mihi. This partnership will provide further opportunities for rangatahi to be exposed to the science networks within the CRI (Crown Research Institute) sector, and accordingly have opportunities to place rangatahi within internships in this network.

## Foundation North and the Tindall Foundation – Central/West Auckland and Northland Expansion

The Pūhoro proposal sought a joint partnership with The Tindall Foundation and Foundation North to support Pūhoro provision and expansion to an additional region in Auckland and a region in Northland. The Tindall Foundation and Foundation North have confirmed their support of this expansion. Expansion has already begun in Auckland and will commence in September in Northland (Whangārei, to begin with).

#### Mid-Central District Health Board & Manawhenua Hauora Partnership

Pūhoro Charitable Trust signed an agreement with the Mid-Central District Health Board and Manawhenua Hauora on the 5th May 2022. This partnership has the overarching goal of supporting our rangatahi to have access to Health employment visibility across the Years 11 – 13, and access to ongoing support should they transition to higher education or employment within the Health Sector.

#### Te Wānanga o Raukawa into Kāpiti/Horowhenua region

Pūhoro Charitable Trust has now completed after successful initial meetings with the senior leadership of Te Wānanga o Raukawa a partnership agreement which was signed at Te Wānanga o Raukawa on Monday 20<sup>th</sup> June. This will further support expansion of the Pūhoro kaupapa into a Kāpiti/Horowhenua region and increase rangatahi access to the TWOR courses and programmes.

#### Auckland University of Technology – South Auckland

Pūhoro Charitable Trust and Auckland University of Technology (AUT) formally announced its partnership at the regional secondary school wānanga at AUT South Campus on Friday 1 July 2022. This partnership facilitates access to AUT campus facilities, staff and resources to improve outcomes for Māori learners

#### Trends, challenges and case studies

#### Covid-19 Delivery Adjustments as required

Pūhoro was able to pivot swiftly during Term 1 of the year 2022, despite a component of the Term commencing under Covid-19 red-light settings. This was evident in the pre-empted plan to switch general Term Wānanga for Term 1 towards smaller excursions in the form of Wānanga Pūrau – Mini STEMM Wānanga. Because of this, rangatahi were successfully able to experience Wānanga in smaller groups without missing out entirely. This clearly conveyed the swift responsiveness of Pūhoro, learning from past experiences Covid-19 has brought throughout the last three years.

A shift towards the orange-light setting in Term 1 of 2022 was welcomed by Pūhoro, with face-to-face Kaihautū sessions and Wānanga now able to resume in their entirety. A shift to a relatively "normal" environment has been organic, however Pūhoro remain vigilant to the potential effects of three years under Covid-19 restrictions, on the wellbeing of our rangatahi.

To ensure the continuation of our rangatahi successes, Kaihautū have been extra attentive to their holistic wellbeing, keeping in touch with rangatahi and their whānau, ensuring they feel balanced and ensuring that everyone is on the same page. Despite the potential for continued change in traffic-light settings moving forward, Pūhoro will continue to mobilise its resources and pivot accordingly to ensure the safety of rangatahi wellbeing, whether it be via Kaihautū face-to-face contact, phone contact, social media postings or online engagement, therefore using any resources at Pūhoro staff disposal to keep engagement high.

#### Case Study – Kura Matihiko (Digital School) Digital Pathways focus

As Pūhoro has grown and developed, we have been able to see more clearly the gaps that exist for rangatahi Māori and necessary opportunities we can facilitate which can help close those gaps particularly in relation to the future workforce and the capability required.

Digital pathways for rangatahi Māori have come into a clear focus for Pūhoro and the following information highlights the need for an improvement in this area for Māori. Only 4% of the entire Tech workforce identify as Māori (3,944 out of 98,583) as of 2019. There is a clear talent pipeline issue as a declining number of Māori are taking up Tech, which includes a lack of basic digital foundations through to falling higher level study uptake in Tech. Subsequently, this then negatively impacts already declining industry numbers of Māori in the Tech sector. This is further emphasised as Māori completion rates in Tech study (tertiary and non-tertiary) sit at around 38%. This data illustrates that there is an alarming disconnect between Māori and not only the Tech industry but also Tech education.

In response to this, Pūhoro has employed three digital educators into the kaupapa and created Kura Matihiko (Digital School) which was trialed across Pūhoro regions during the Term 1 Wānanga Pūrau – Mini STEMM Wānanga. As part of the programme, rangatahi are introduced to coding, they learn how to write code in both HTML and CSS languages to create their own personal two page website. This website includes their pepeha and some interesting facts about themselves they would like to share. Rangatahi are also introduced to content creation and a few aspects that come with it, such as recording (using the camera and green screen etc.), editing (using Da Vinci Resolve) and learning how to code it into their

own website. Rangatahi are then able to get creative with their content, filming videos of themselves sharing their pepeha and projecting it onto their green screen Pūhoro t-shirts that were created specifically for Kura Matihiko. Some feedback received from Kura Matihiko is highlighted below:

"My highlights today was learning how to code, make videos, editing and making some more friends (2). And learning to play a game at the end of the lesson" – Y11 Fraser High School Rangatahi Hamilton

"This experience had a lot of impact for me because I got to learn something I have never done before and learnt how to edit them. It was really easy" – Y11 Karamu High School Rangatahi Hawke's Bay

"Everything, I loved the whole day and enjoyed everything we did"- Y11 Karamu High School Rangatahi Hawke's Bay

"I learnt how to do heaps of different things like coding my own website, and finally learning how to edit my own videos" – Y11 Karamu High School Rangatahi Hawke's Bay

"Was valuable because I want to make a YouTube video and also make a website for my business" – Y11 Karamu High School Rangatahi Hawke's Bay

"It was amazing, definitely would do it again" – Y11 Karamu High School Rangatahi Hawke's Bay

"This whole experience was so amazing and enjoyable even though I'm not a very techy person. I enjoyed working with my peers to create a website and videos. It was so amazing" – Y11 Karamu High School Rangatahi Hawke's Bay





What this initiative showed us, is that rangatahi have a desire to engage more fully in Tech and Kura Matihiko was able to connect both tuakiri (identity) and Tech together in a meaningful way which further strengthened their appetite and desire to pursue it. The three digital educators in Pūhoro wanting to build upon Kura Matihiko, created a Wānanga workshop called Meta Marae (pictured below) which was experienced at Term 2 Wānanga for the first time. The workshop required rangatahi to plan out the building of their own virtual Marae. From there, once their plan had been created, they then entered a VR landscape and were able to create in that forum their own Meta Marae based upon the components that they had planned out together previously. Rangatahi and school teachers who witnessed this new workshop, commented on how interesting and enjoyable it was, and noted the important connection for rangatahi between their identity and the workshop being undertaken.







To further strengthen this pathway, and link it to the industry, Pūhoro was able to partner with Māui Hangarau (pictured below) a day event held across the country which promotes Māori in Tech and showcases to rangatahi, Māori working in the Tech industry. Lee Timutimu, the creator of the Māui Hangarau kaupapa invited Pūhoro to be part of the 'Activation Zone', where rangatahi could engage with a Pūhoro station which further promotes Māori engagement in Tech. To date, Pūhoro has participated in the Auckland Ko Māui Hangarau and is scheduled to attend Christchurch, Hawke's Bay and Waikato events. In Auckland there were a number of rangatahi interested in their Activation Zone as well as Pūhoro rangatahi being offered the opportunity to attend the day event also.



Puhoro will continue to build up its Digital Pathway offerings and focus in on exposing rangatahi to Tech in ways that connect with tuakiri and Mātauranga Māori. As rangatahi participate in these innovative and new digital offerings created by Puhoro, more of our rangatahi will engage in digital pathways, be presented with opportunities to engage in Tech and with Tech industry professionals, and above all connect themselves into a world which is currently underrepresented by Māori. awesome information (because I know it will be awesome ) that we will be presented with aapoopoo.

E mihi ana R -----Original Message-----From: Kemp Reweti <sup>9(2)(a)</sup> Sent: Friday, 8 July 2022 4:23 pm To: Renee Davis <Renee.Davis@education.govt.nz> Cc: Sheryl Waru <Sheryl.Waru@education.govt.nz>; <sup>9(2)(a)</sup> Subject: Update

Tēnā koe Renee,

9(2)(a)

9(2)(a)

Renee, I am aware of the pre-information, I was to send through today, for our pending hui next week for pre-reading. I am returning to work on Monday, may I please ask for a small extension on this so I can get this to you before our hui on Tuesday.

א(2)(a)

Ngā mihi,

Kemp Reweti Sent from my iPhone

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#### Document 2

From:	Kemp Reweti
То:	Sheryl Waru
Subject:	FW: Pūhoro Data
Date:	Thursday, 1 December 2022 11:22:16 am
Attachments:	image001.png
	Puhoro Internship Booklet.pdf
	Annual Report 2021-2022 Final.pdf
Importance:	High

Kia ora Sheryl! You are not a hoha at all (or ever!). Don't you worry e hoa, we know how critical timing is for you guys that's how we roll, love it!

Please find the responses below in yellow:

Also Sheryl, please find attached two additional documents

- 1. Pūhoro Internship Booklet
- 2. Annual Report (our first one in the Trust which we did all in house!) we are very proud of it

This may further help with any info you need.

THANK YOU FOR EVERYTHING! Kemp.

From: Sheryl Waru
Sent: Thursday, 1 December 2022 9:33 am
To: Kemp Reweti 9(2)(a)
Subject: Pūhoro Data

Tēna Koe e hoa,

So awesome to speak with you this morning and now I have your cell phone on SPEEED DIAL for UBER picks up lol

I am starting to collate some information to compliment your amazing Data we have access to online from the website (I love this e hoa) I just need to narrow down some of the numbers for Pūhoro Akonga.

How many Wāhine are enrolled with Pūhoro?

Nine hundred and nine (909) wāhine are enrolled in Pūhoro across the Te Urunga Tū (High School) and Te Urunga Pae (Tertiary) and Te Urunga Tapu (Industry) Phases of the kaupapa.

What are the numbers of akonga across each year?

Year 11 = 546 | Year 12 = 359

Year 13 = 139

1

2

#### 3 What are the Tane and Wahine ratio per year?

Year 11 = 335 F:211 M

Year 12 = **228 F: 131 M** 

Year 13 = **85 F: 54 M** 

#### 4 Is there a strategy that Pūhoro engages to encourage more wahine to enrol with **Pūhoro?**

Kia ora Sheryl, we do not have a written strategy engaged to encourage more wahine to enrol in Pūhoro. However, it's important to note that we have in place some key influences that further uphold this within the Puhoro kaupapa. These can be seen through the following:

- Our Manahautū CE is a wahine toa. This naturally provides a living example to our wahine in the kaupapa that they can overcome any barrier before them in order to get to the top.
- Our Board consists of 4 W\u00e4hine and 2 T\u00e4ne therefore two-thirds are w\u00e4hine M\u00e4ori.
- Overall there are 62% Females and 38% Males in the Puhoro kaupapa
- Pūhoro actively seeks to employ wāhine as kaihautū in the different regions, to ensure representation of both wāhine and tāne. All regions have wāhine representation for example Ōtautahi has<sup>9(2)(a)</sup> kaihautū and <sup>9(2)(a)</sup> and a region in Auckland has<sup>9(2)(a)</sup> female kaihautū<sup>9(2)(a)</sup>Noting that in Ruapehu and Rotorua these regions are led solely by wāhine Māori.
- Pūhoro has ensured that our pūrākau based STEM challenges and activities within schools have wāhine ATUA representation also, e.g. we have a STEM Rona me te Marama challenge and a STEM Mahuika challenge.

#### 5 Outcomes: What is the stats for Graduates who progress to STEM related careers?

Kia ora Sheryl this is definitely and area that is developing for Pūhoro. There are two parts to this. We provide for our rangatahi whilst they are still in tertiary Employment Opportunities (Paid Pūhoro Internships).

For the summer of 2022-2023 (November 2022 – February 2023). We have provided 75 Internships. (Sheryl, I have also attached our stunning booklet we created this year which showcases our interns. What you will notice very clearly from this booklet is this Sheryl. Is that there is a ratio of 59 F:16 M

For the summer of 2021 – 2022 (November 2021 – February 2022) we provided over 30 Paid internships and for the summer of 2019-2020 we provided 54 Paid internships. So this is one aspect of how we are able to create Employment Opportunities for our rangatahi in the pipeline.

The second aspect to it is what we call Sheryl Te Urunga Tapu (Employment in Industry) which is the final phase of the programme. We are still seeing the fruits of this and have 9(2)(a)we have designated in that phase (and they are all female!) See below who they are and what they graduated with in the second phase. There are probably more, we are still to further refine our statistics for this, noting that the pipeline takes many years as rangatahi progress along it.

0(2)(2)	
9(2)(a)	Has graduated with a Bachelor of Science Human Nutrition
	Has graduated with a Bachelor of Environmental Studies
	las graduated with a Bachelor of Science Marine Biology
	las graduated with a Bachelor of Info Science (IT Major)
9(2)(a)	Has graduated with a Bachelor of Applied Science
Sport/Heal	th/Nutrition
9(2)(a)	las graduated with a Bachelor of Arts Mātauranga Māori
9(2)(a)	Has graduated with a Bachelor of Design 9(2)
9(2)(a) <mark>la</mark>	as graduated with a Bachelor of Science Microbiology (a) will also be the first
Pūhoro ran	gatahi to commence their PhD, which she starts in 2023

#### Hope this helps! Kemp

Ok e hoa, keep up the amazing mahi and thank you so much for speaking with me this morning. I look forward to hearing from you soon. Happy December!!!!!

I thought I would share this with you too as I shared this with the team as a report back to the Ministry and we really appreciated all the mahi you all did for us during our Hikoi. I named this the Renee and Sheryl Hikoi lol.

The Renee and Sheryl Hikoi

Nga mihi Sheryl

Sheryl Waru Ngāti Maniapoto Ngāti Rereahu Senior Advisor Te Tuarongo

9(2)(a)

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From: Kemp Reweti Sheryl Waru To: Subject: Data kura Date: Thursday, 30 March 2023 11:33:26 am

#### Kura Kaupapa Māori + Kura-a-iwi Engagement

With capability building in the Pūhoro team, Pūhoro serves some Kura Kaupapa Māori currently and is implementing a strategy to continue development in this area of growth.

Partial Māori medium	Kura Kaupapa Māori	Kura-a-lwi	Total	
Waitakere College	TKKM o Ngāti	Te Kura-a-iwi o		
Western Springs	Kahungunu o Te	Whakatupuranga Rua		
College	Wairoa	Mano	X	
Te Pa o Rakaihautū	TKKM o Te Ara Hou			
Wairoa College	TKKM o Te Rito			
Manukura	TKKM o Mangere			
Western Heights High	TKKM o Te Rāwhiti			
School	Roa	• •		
Papakura High School	Te Kōpuku High	X		
Tuakau College				
Te Kauwhata College		~0		
9	6	1	16	

\*Te Kura Kaupapa Māori o Hoani Waititi – Attended Term 1 Wānanga and have expressed re nme. Have also ex, official official official

interest in being a part of the Pūhoro programme.

\*\*Te Wharekura o Rakaumangamanga – Have also expressed interest in being part of the

From:Kemp RewetiTo:Sheryl WaruSubject:Payment SchedulesDate:Tuesday, 30 May 2023 12:29:12 pmAttachments:image001.pngImportance:High

Kia ora Sheryl, thank you for your patience. Had a kōrero with our accountants and a 70/30 split would be better operationally for us. Just had to fix the table a little bit Sheryl hope you don't mind as we don't extend out to 2028 (yet lol lol). Please see the below table. Can you let me know if this is possible? If not then I can come back with another table for you with a more 50/50 split thank you so much e hoa. Kemp

	2023/24	2024/25	2025/26	2026/27	Multi-Year Total
Pūhoro STEMM Academy	9(2)(b)(ii)			ilo	
July 20 <sup>th</sup> Payment					
20 <sup>th</sup> January Payment			×0		

From: Sheryl Waru <<u>Sheryl.Waru@education.govt.nz</u> Date: Monday, 29 May 2023 at 11:40 AM To: Kemp Reweti 9(2)(a) Subject: Payment Schedules

	2023/24	2024/25	2026/27	2027/28	Multi Year Total
P horo STEM Academy	9(2)(b)(ii)				

Kia Ora e hoa,

I have done some further investigation into the payment schedules allocated per year.

You can see from the information above that these have been set according to the proposal by Pūhoro last year. Our team have tried to base it on the total amount however we have been informed that the yearly amounts have been set. What I can do is determine the amount required by Pūhoro for the year and what that looks like for you, eg: Your most busy time of the year for resourcing etc: 2023/2024 9(2)(b)(ii) 2024/2025 9(2)(b)(ii) and so

forth.

So have a think about how you want the <sup>9(2)(b)(ii)</sup>to be paid out in two payments based on your funding need, the same for the other three years so I can lock those in.

If this doesn't make sense please let me know and I can walk you through this. Once you come back to me with some figures then I can put your contact through the process and send it back to you.

Have a great day e hoa.

Nga mihi Sheryl

#### Sheryl Waru |Ngāti Maniapoto|Ngāti Rereahu

Senior Advisor Te Tuarongo

9(2)(a)

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From:	Kemp Reweti
FIOIII	<u>Kemp Reweu</u>
To:	Sheryl Waru
Cc:	Renee Davis; Adrienne Darrah; Darren Nathan
Subject:	Re: Invitation
Date:	Friday, 30 June 2023 9:11:30 am
Attachments:	image001.png
	image002.png
	image003.png
	image004.png
	image005.png
Importance:	High

Tēnā Koe Sheryl, Tēnā koutou Renee, Adrienne and Darren, Mānawatia a Matariki ki a tātou katoa.

It would be our privilege to come with members of my Senior Leadership Team next week to discuss the Pūhoro kaupapa further with the team, and we are very grateful for the opportunity to also have Iona Holsted present.

Looking very much forward to our korero together. Thank you for all you do in the support of our kaupapa.

Ngā mihi,

#### Kemp Reweti (BA, MA)

Ngāti Parewahawaha, Ngā Puhi, Tainui waka, Ngāti Raukawa ki te tonga



From: Sheryl Waru <Sheryl.Waru@education.govt.nz>
Date: Thursday, 29 June 2023 at 6:31 PM
To: Kemp Reweti 9(2)(a)
Cc: Renee Davis <renee.davis@education.govt.nz>, Adrienne Darrah
<Adrienne.Darrah@education.govt.nz>, Darren Nathan
<Darren.Nathan@education.govt.nz>
Subject: Invitation

Tena Koe Kemp,

Firstly thank you for accepting our invitation to meet our team and share "the Pūhoro way" of encouraging Rangatahi Māori to embrace their natural abilities in STEM, like their ancestors did, and challenging the narrative of underrepresentation of Māori in the field. We are excited to

have your senior leadership team join us to showcase the incredible work you have accomplished. Your dedicated efforts towards creating a comprehensive strategy are highly commendable, and we look forward to learning from your insights and experiences.

We are privileged to have **Iona Holsted**, Te Tumu Whakarae mō te Mātauranga| Secretary for Education join in this hui as this presents an excellent opportunity for you and your team to meet her.

I will schedule a calendar invite for you that includes the meet and greet time and some important points to consider for your korero/presentation. This will ensure that you have all the necessary information for a successful and productive conversation.

Any patai please do not hesitate to contact me.

Nga mihi Sheryl

Sheryl Waru |Ngāti Maniapoto|Ngāti Rereahu Senior Advisor Te Tuarongo

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From:	Kemp Reweti
To:	Sheryl Waru
Cc:	<sub>Robin Hapi</sub> ; 9(2)(a)
Subject:	Re: Variation Agreement
Date:	Monday, 3 July 2023 10:05:59 am
Attachments:	image002.png
	image003.png
	image004.png
	image005.png
	Outcome Agreement Signed PCT
Importance:	High

Kia ora Sheryl,

It's my privilege to send through the following signed agreement on behalf of the Pūhoro Charitable Trust. As this is quite momentous Sheryl, I hope you don't mind I have cc'ed in our Co-Chairs. Pā Robin Hapi and Pā Will Edwards. Thank you for your unwavering support and tautoko of the Pūhoro kaupapa.

Please let me know if you have any further requirements.

Ngā mihi,

Kemp Reweti (BA, MA) Ngāti Parewahawaha, Ngā Puhi, Tainui waka, Ngāti Raukawa ki te tonga

Acting Manahautū Pūhoro Charitable Trust 9(2)(a)



From:	Kemp Reweti
To:	Sheryl Waru
Cc:	Kimiora McAllister
Subject:	Re: Gazette Connection
Date:	Monday, 24 July 2023 9:03:04 am
Attachments:	image001.png
	image002.png
	image003.png
	image004.png

No problem at all Sheryl and take your time e hoa, I know how busy you are!

Sheryl, I received a remittance email from the Ministry of Education last week and yes e hoa, this has been paid! Thank you for all your consistency e hoa to get this over the line. Thank you e hoa for all you do. Just off to a whakatau, have a good week, stay warm e hoa!

Kemp

From: Sheryl Waru <Sheryl.Waru@education.govt.nz>

Date: Monday, 24 July 2023 at 8:35 AM

To: Kemp Reweti

Cc: Kimiora McAllister 9(2)(a)

Subject: RE: Gazette Connection

Morena Kemp and Kimiora,

I will get onto the gazette today and do a formal introduction via email. Thank you for reminding me I will get that started and flick you a heads up of what is coming. They will be vital to getting Pūhoro into the Gazette.

Have a fantastic day. Also can you just confirm with me that payment has been made, I had the running around last week as Puhoro was all signed off. I also understand that may be a payment timeframe so I am also hoping this feel into that time frame.

Nga mihi Sheryl

Sheryl Waru | Senior Advisor Te Tuarongo 9(2)(a)

From: Kemp Reweti Sent: Monday, 24 July 2023 8:31 am To: Sheryl Waru <Sheryl.Waru@education.govt.nz> Cc: Kimiora McAllister 9(2)(a) Subject: Gazette Connection Importance: High

Kia ora Sheryl!! How are you e hoa? Hope you are well my friend.

Sheryl, I am just looping back around in regards to the Gazette kaupapa. I would love for us to be

connected to someone there. Sheryl, my thinking around this is particularly in regards to our wananga coming up in Term 3, this would be a great chance to get someone from the Gazette to one of these events, to take pikitia, maybe interview some rangatahi, staff and also teachers that are there around our kaupapa. So thought I would give you a heads up on that in terms of how I think we could approach this in an impactful way. This would also allow that gazette staff member to get a good feel around our kaupapa, what it looks like and the impact its having. How does that sound?

Would love to connect up Sheryl, let me know. Reflecting this week on the NZtech kaupapa too and will circle back around that e hoa. Awesome!!! Have cc'ed in the wonderful Kimiora who oversees our wananga.

Ngā mihi,

#### Kemp Reweti (BA, MA)

Ngāti Parewahawaha, Ngā Puhi, Tainui waka, Ngāti Raukawa ki te tonga

Acting Manahautū Pūhoro Charitable Trust 9(2)(a)



From: Sheryl Waru <<u>Sheryl.Waru@education.govt.nz</u>> Date: Tuesday, 11 July 2023 at 9:07 AM To: Kemp Reweti<sup>9(2)(a)</sup> Subject: RE: Purchase Order Number

Too funny e hoa lol that was awesome to do. I have sent my memo through for review and will await an approval response to send to Adrienne and then its all go from there. I am just reading some of the notes that were taken during our hui. One of the suggestions that lona made was connecting you with the Education Gazette here in the ministry I am not sure if you know what that is here is a link to the website: <u>https://gazette.education.govt.nz/</u> It has a lot of information in it about our schools throughout Aotearoa and some really great content. I am happy to make enquiries and get you connected if that suits? Also there was a discussion about connecting you with NZtech, Im sure James will be able to further connect you with them too.

#### Out of scope

#### Nga mihi Sheryl

#### Sheryl Waru | Senior Advisor Te Tuarongo

9(2)(a)

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From: To:	Kemp Reweti Kimora McAllister; 9(2)(a)
Cc:	Sheryl Waru; Tia M
Subject:	Re: Education Gazette Kaupapa
Date:	Monday, 24 July 2023 12:38:54 pm
Attachments:	image001.png image002.png image003.png image004.png image005.png
Importance:	High
9(2)(a) Kia ora	8

t's such a privilege to meet and connect with

It's such a privilege to meet and connect with you. We would love the chance to have a korero with you 9(2)(a) to understand a bit more about the Gazette and how this works, and also to talk to you about our kaupapa here at Pūhoro.

9(2)(a) his week is a bit difficult, but I have cc'ed in my colleague Tia Matthews to find a time that could work for you and us next week for a Teams hui if this is ok?

Looking forward to connecting, and thank you Sheryl for the wonderful connect.

Ngā mihi,

#### Kemp Reweti (BA, MA)

Ngāti Parewahawaha, Ngā Puhi, Tainui waka, Ngāti Raukawa ki te tonga

Acting Manahautū Pūhoro Charitable Trust 9(2)(a)
REAL REAL REAL REAL REAL REAL REAL REAL
From: Sheryl Waru <sheryl.waru@education.govt.nz></sheryl.waru@education.govt.nz>
Date: Monday, 24 July 2023 at 11:42 AM
Date: Monday, 24 July 2023 at 11:42 AM To: Kemp Reweti
9(2)(a)
Cc: <sup>9(2)(a)</sup>
Subject: Education Gazette Kaupapa
Morena Kemp and Kimiora, 9(2)(a) 9(2)(a)

May I introduce  $9^{(2)(a)}$  ho was highly recommended by our Edito here at the MoE.  $9^{(2)(a)}$  will be able to provide some insight and scope of the Education Gazette. Let the magic begin, I will leave this kaupapa in your hands and look forward to reading all about our Rangatahi Māori and their achievements. Any patai please do not hesitate to contact me I will be more than happy to help.

**9(2)(a)** please find attached the Annual Report for Pūhoro 2021-2022 that they put together themselves, it gives an overview of who Pūhoro are and what they are about, the only change in this report is there is a current acting Manahautū Kemp Reweti who I have included in this email.

1981

Nga mihi Sheryl Waru

Sheryl Waru |Ngāti Maniapoto|Ngāti Rereahu Senior Advisor Te Tuarongo

9(2)(a) National Office M tauranga House education.govt.nz

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From:	Kemp Reweti
То:	k.davis@ministers.govt.nz
Cc:	9(2)(a); <u>Sheryl Waru</u>
Subject:	Pūhoro STEMM Academy update
Date:	Tuesday, 8 August 2023 1:00:27 pm
Attachments:	image001.png image002.png image003.png
	image004.png
	Letter to Minister Kelvin Davis.pdf
Importance:	High

Tēnā Koe Minister Davis,

Please find the attached letter which provides a high level overview of our progress in Pūhoro to date and an invitation to our upcoming Wānanga in Whangārei. Minister Davis we express our continued gratitude for the opportunity that we have to serve our rangatahi and extend and support them into STEMM through the incredible support of the Ministry of Education. He mihi nunui ki a koutou.

Minister Davis, please also note that at any time you require Pūhoro to come and hui with you to give a more in-depth update around the progress of Pūhoro and the meaningful mahi and advances that are being made then we are more than willing to oblige.

Ngā mihi,

### Kemp Reweti (BA, MA) Ngāti Parewahawaha, Ngā Puhi, Tainui waka, Ngāti Raukawa ki te tonga



From:	Kemp Reweti
To:	Sheryl Waru
Subject:	Te Tai Tokerau Wānanga + Rangatah Feedback
Date:	Wednesday, 16 August 2023 4:22:09 pm
Attachments:	image001.png
	image002.png
	image003.png
	image004.png

Tēnā Koe Sheryl,

I would like to provide you with a high level update on our most recent Wānanga held in Te Tai Tokerau. This is the first wānanga we have been able to host in that region, and it was a great success.

We were hosted by North Tec Te Pūkenga which enables us to further strengthen and normalise for our rangatahi that tertiary environment.

We had 83 Year 11 rangatahi register for the event, and on the day 62 rangatahi attended from a planned seven schools however, on the day eight schools we are engaging in attended from Te Tai Tokerau namely;

Kamo High School, Tikipunga High School, Bay of Islands College, Whangarei Boys' High School, Whangarei Girls' High School, Te Kura Kaupapa Maori o Kaikohe, Northland College and Te Kura Kaupapa o Kāpehu Whetu.

Rangatahi engaged in three key workshops and one activation session:

- 1. Met Dr Maxine Ronald the only Maori surgeon in Whangarei who discussed the pathway into medicine and her journey.
- 2. Engaged with Awanui and learnt the Medical Laboratory Science Pathways and engaged in hands on activities. <u>https://awanuigroup.co.nz</u>
- 3. Finally, engaged in a workshop around Tuakiri identity as Māori and ways we can strengthen our Mātauranga in the STEMM space.
- Engaged in a digital technology activation session which enabled rangatahi to play a educational game to endeavour to difuse a bomb and use soft skills to succeed as a group.

Feedback was positive please find the following snapshot from our rangatahi. Please also find the attached group photo to use as you would like Sheryl this is an image of them in the North Tec Marae Te Puna o te Mātauranga aren't our rangatahi Māori stunning! (I have sent this via WETRANSFER) as it was too large to attach, can you let me know if you get it? And can download it?

*"i enjoyed and like learning about what cancer cells looked like and there are more than one type of cancer per body part"* 

"I learnt more about Māori backgrounds and the history that comes with my people. i also

liked the guy taking it"

"I really enjoyed the participation and the engagement. People really got into it."

"Surgeon talk. I learned a lot about the history of Māori people in medicine. It was really cool to have someone come talk about their experiences."

"We were put into groups and had the chance to experience 3 different workshops. We first went to the Surgeon workshop. We met a māori wahine student who taught us about surgery and how different surgeons operate different organs. I learnt a lot"

Teachers and Whānau were equally impressed by the kaupapa and how the wānanga further consolidate engagement with the programme and create that Māori STEMM community in the region. Thank you for the on-going support of the Ministry of Education.

Innovation

Winner

Ngā mihi,

eleasedi

### Kemp Reweti (BA, MA)

Ngāti Parewahawaha, Ngā Puhi, Tainui waka, Ngāti Raukawa ki te tonga

Manahautū Pūhoro Charitable Trust 9(2)(a)

From:	Kemp Reweti
To:	Amanda Kirby
Cc:	9(2)(a) <u>Renee Davis; Sheryl Waru</u>
Subject:	Re: E mihi ana
Date:	Thursday, 2 November 2023 3:54:31 pm
Attachments:	image001.png
	image002.png
Importance:	High

Amanda, it is a privilege to connect with you. Thank you so much. I am connecting through the wonderful  $P^{(2)(a)}$  who is our communications advisor. She has recently returned from maternity leave and we are so grateful to have her back with us. We have our final graduation tonight Amanda, and following that will have a good pool of shots from our different grads.  $P^{(2)(a)}$  will be good for the text as well. She is on leave tomorrow so I wonder Amanda if you are ok with this if she could reach out to you early next week?

Thank you whānau,

#### Kemp Reweti (BA, MA)

Ngāti Parewahawaha, Ngā Puhi, Tainui waka, Ngāti Raukawa ki te tonga



From: Amanda Kirby <Amanda.Kirby@education.govt.nz> Date: Thursday, 2 November 2023 at 1:48 PM To: Kemp Reweti<sup>9(2)(a)</sup> Subject: RE: E mihi ana

Tēnā koe e Kemp

I'm Amanda and I run our pānui for whānau Māori called <u>Kia Manawaroa</u>, and would love to include a story about the Pūhoro STEMM graduation/s.

Do you have anyone on your side who might have some good photos and a bit of text they could send me to include or use as a base for a story?

Now would be a great time to promote Pūhoro STEMM as we approach a new academic year and rangatahi and their whānau are making decisions about next steps.

Find out more about Kia Manawaroa on the Parents and Whānau website

**Amanda Kirby** | Ngāti Tanire, Ngāti Tinomana, Ngāti Tamainupō Principal Advisor Communications | Te Pou Tuarongo <u>Te Tāhuhu o te Mātauranga | Ministry of Education</u>

Kia Manawaroa Pānui for whānau Māori with kids in education

9(2)(a)

Kia ora Kemp,

As always, it was great catching up with you on Tuesday night. I wanted to send my thanks for another great Pūhoro event that show casts excellence for Māori achieving success as Māori. Please pass on my thanks and congratulations to Taz and Tia for not just a wonderful evening of graduation, but their efforts and success in supporting another cohort of ākonga Māori participation in STEMM – e kore ngā mihi e mutu mo ēnei mahi rangatira e hoa!

I have cc'd my colleague Amanda Kirby into this email. Amanda is our Comm's guru and is keen to touch base with you on possible content for some up coming publications. She will connect with you shortly.

Don't forget to let me know next time you are in Waikato or Auckland, and we can have another catch up.

E mihi ana **Renee Davis** | Acting Manager Relationships M tauranga M ori | Te Pou Tuarongo 9(2)(a)

National Office – 1 The Terrace, Wellington education.govt.nz

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