

Digital Inclusion Grant 2021/22

2021/22 Mid term report

Application DI000042021_22 From Mrs Shanon O'Connor

Form Submitted 26 Oct 2022, 6:31pm NZDT

Instructions

InternetNZ is proud to support your initiative. The questions below help us understand the triumphs and challenges you have faced to date.

We want to celebrate your successes and understand the obstacles you have encountered so far. This will help us all to learn what we could do better in the future.

This report form will be placed on our website for transparency.

Please complete and submit this form no later than the date stipulated in your funding agreement. Email us at funding@internetnz.net.nz if you have any issues or need to arrange an alternative due date. You may not be eligible to apply for further grants from InternetNZ if this is not submitted. The completion of this form should be overseen by someone with an intimate knowledge of the funded initiative.

Mid-project report

*** indicates a required field**

Initiative title *

STEMM Equity and Digital Inclusion in Te Tairāwhiti

Amount granted by InternetNZ? *

\$40,000.00

Must be a dollar amount.

Provide a short summary of the work that has been completed so far as part of this initiative. *

The goals of Tōnui Collab's STEMM Equity and Digital Inclusion project, supported by Internet NZ, is to increase the exposure and engagement of rangatahi Māori in STEMM learning experiences for the purpose of providing rangatahi Māori with exposure to the diversity of STEMM, and equitable access to pathways into STEMM careers. When we talk about STEMM, we are talking about the diversity and intersection of science, technology, engineering, maths and mātauranga Māori. This goal is underpinned by a commitment to creating a more inclusive and diverse STEMM workforce.

In 2022, Tōnui Collab has designed and facilitated 72 full day STEMM wānanga and 66 half day STEMM wānanga in schools and kura for tamariki and rangatahi ranging from Year 1 - Year 10 from across te Tairāwhiti. Tools or technologies explored during these wānanga have included robotics, game development, electronic engineering, and virtual reality.

In 2022, Tōnui Collab has also co-designed and facilitated, three multi-day STEMM wānanga in marae across te Tairāwhiti (Rangiwhao Marae, Pākōwhai Marae and Whangara Marae). Whānau play a significant role in supporting and influencing rangatahi to pursue STEMM education; on day three of our marae wānanga, whānau have been invited to come along and celebrate their tamaiti/tamariki and the learning they have had over the wānanga and we also take the opportunity to share

with rangatahi and whānau potential study and career pathways, celebrating our Māori and Pasifika brothers and sisters as role models that are succeeding in their fields.

Digital Inclusion Grant 2021/22

2021/22 Mid term report

Application DI000042021_22 From Mrs Shanon O'Connor

Form Submitted 26 Oct 2022, 6:31pm NZDT

In 2022, to increase Tōnui Collab's evaluation capability and capacity so that we can accurately

measure the impact of these learning engagements with our tamariki, rangatahi and whānau, we purchased a set of tablets to facilitate 1:1 and 1:2 digital data gathering; we designed and experimented with some evaluation methods such as the utilisation of Kahoot and Flip - digital tools that enabled us to gather quantitative and qualitative data.

We have started discussions with two Māori evaluation practitioners around our activities, our community and how to identify the correct measures and the best methods for collecting the data and interpreting it but have not yet completed this part of the project.

When do you anticipate that your initiative will be completed? *

14/04/2023

Must be a date.

If you are uncertain, please provide an estimate.

Share your evaluation plan and any supporting documents you feel appropriate, that will help us to understand the progress you have made.

This may include survey results or feedback, your annual report, summary to the board or any visual or audio representations of your work.

Remember this report will be placed on our website for transparency.

Upload files:

No files have been uploaded

Upload files:

No files have been uploaded

Upload files:

No files have been uploaded

Provide additional details:

JR McKenzie Trust also awarded Tōnui Collab \$28,500 in 2022 specifically for the marae-based STEMM Wānanga. InternetNZ funding was not used directly for these STEMM Wānanga however the InternetNZ funding enabled Tōnui Collab to acquire the tools, research and operational time to improve our evaluation methods and these were piloted and revised during our marae-based STEMM Wānanga. The video provided captures some of the STEMM Wānanga at Pākōwhai Marae in July 2022.

The following video could not be attached due to size but you can access it and view it at <https://drive.google.com/file/d/1FUqrrDOnbV87hgRCBQwVlpVkJHT6lJmIh/view?usp=sharing>

Let us know if anything you have shared is confidential or can be used to promote this work.

Remember this report will be placed on our website for transparency unless otherwise requested.

What have you learnt so far? *

Through the development of Tōnui Collab's STEMM Equity and Digital Inclusion project, we have learnt that using gamification methodology for some of the data gathering, we regularly use custom designed Kahoot quizzes to identify what the participants are taking away from the STEMM learning experiences - multichoice questions that measure whether they learned how to use a new tool, how they would rate their enjoyment, whether their

Digital Inclusion Grant 2021/22

2021/22 Mid term report

Application DI000042021_22 From Mrs Shanon O'Connor

Form Submitted 26 Oct 2022, 6:31pm NZDT

perceptions of opportunities in STEM related study and careers has shifted.

We also learnt that inviting tamariki, rangatahi, and their whānau to share their thoughts, questions, concerns, interests in video are more impactful than numbers on a page however this takes more time and investment to capture and we need to plan accordingly, valuing this as a medium means creating time, dedicating budget, and nurturing the relationships - building trust with our tamariki, rangatahi, and whānau so that they are comfortable sharing.

One challenge that has arisen with the approach of using Kahoot quizzes is that sometimes, wifi is limited and unstable in some of the spaces we work in and this presents a barrier for tamariki, rangatahi, and whānau to complete the online quizzes. Alternative strategies need to be implemented when this happens and we are experimenting with a few options.

Describe what is working well so far or challenges you have faced. These insights may help others.

What (if anything) have you changed in your approach or practices? Explain why this was necessary?

In 2022, Tōnuī Collab planned on designing and facilitating full day and multi-day STEMM wānanga in schools and kura across te Tairāwhiti. To date, we have had 72 full day or multi-day STEMM Wānanga and 66 half-day STEMM Wānanga, the move to half-day STEMM Wānanga has been driven by the requests from teachers and kaiako who both wanted to provide these STEMM learning opportunities for their tamariki and rangatahi but who also have constraints in their daily timetables. Reducing the length of the STEMM Wānanga does present some challenges and we are constantly reviewing and redesigning the structure of the STEMM Wānanga to optimise the engagement for our tamariki and rangatahi.

Describe any changes from the original proposal and the rationale for those changes.

Which population group/s were affected by this project or program? *

Education status > Primary school students

Education status > Intermediate school students

Education status > Secondary school students

Education status > Kura Kaupapa Māori students

Ethnic and racial groups > Indigenous peoples > Māori

Please choose only the group/s that were at the very core of this initiative.

Financial report

*** indicates a required field**

Project income and expenditure

Please provide details of any project income (funds received) and project expenditure (funds spent) to date.

Use the 'Notes' column to provide any additional information you think we should be aware of.

Income description	Income type	Confirmed funding?	Income amount (\$)	Notes
			Must be a dollar amount.	

Digital Inclusion Grant 2021/22

2021/22 Mid term report

Application DI000042021_22 From Mrs Shanon O'Connor

Form Submitted 26 Oct 2022, 6:31pm NZDT

STEMM club	Earned income	Confirmed*	\$9,410.00	After School and Holiday Clubs
Funding Grant	Philanthropic grants	Confirmed	\$100,000.00	HB Williams Family Trust
Funding Grant	Philanthropic grants	Confirmed	\$28,500.00	JR McKenzie Trust
Funding Grant	Government grants	Confirmed	\$45,000.00	DIA
Contract Work	Earned income	Confirmed	\$53,218.00	PLD contracts from the MOE
Funding Grant	Philanthropic grants	Confirmed	\$40,000.00	InternetNZ

Expenditure

Expenditure description	Expenditure type	Expenditure amount (\$)	Notes
Staffing	Salaries and wages	\$177,593.51	
Rent	Infrastructure and/or hardware	\$22,847.00	
Telephone and Internet	Infrastructure and/or hardware	\$5,057.51	
Hardware	Infrastructure and/or hardware	\$28,952.34	
Travel	Project and production	\$3,927.53	
Office Expenses	Administrative and infrastructure	\$4,802.22	
Advertising	Advertising and promotion	\$3,323.53	
Accountancy	Administrative and infrastructure	\$1,010.84	

Income and expenditure totals

Total income amount

\$276,128.00

This number/amount is calculated.

Total expenditure amount

\$247,514.48

This number/amount is calculated.

Income - expenditure

\$28,613.52

This number/amount is calculated.

Digital Inclusion Grant 2021/22

2021/22 Mid term report

Application DI000042021_22 From Mrs Shanon O'Connor

Form Submitted 26 Oct 2022, 6:31pm NZDT

Have you experienced any issues with your intended project budget to date? If so, please explain reasons for any major variances or for providing incomplete information:

The budget for this project has shifted in a number of places, in term 1 we initially rented VR headsets but we realised quickly that this was not cost effective or sustainable so our hardware costs went up when we purchased headsets. Rent costs appear to be increased because marae costs were included in this line. We have saved in our telephone and internet expenses as well as our travel costs. We have not yet incurred consultancy fees as this is still being confirmed.

Feedback

You are almost at the end of our midterm reporting process. Before submitting your midterm report, please take a few moments to provide some feedback.

Please indicate how you found the acquittal process:

Very easy Easy Neutral Difficult Very Difficult

How many minutes in total did it take you to complete this form?

240

Estimate in minutes (i.e. 1 hour = 60 minutes)

Provide us with any feedback you have from learning about evaluation so far.

Evaluation planning, and working through the evaluation toolkit, has been insightful. The process has encouraged us as a team to reflect on why we do what we do, and what changes we might make to be more impactful. Working through this process has also invited us to reflect on the ways we engage with our tamariki, rangatahi and whānau, we are motivated to discuss what questions we are and are not asking and how we might do better.

For example, feedback on the evaluation toolkit, or the impact evaluation planning had on this initiative or your organisation.

Provide us with your feedback about any improvements to this grant process that we might consider.

I think this is a good grant process.

InternetNZ is a membership organisation. Would you be interested in hearing more about becoming a member?

Yes please No thanks I am already a member