



Briefing Note: STEM – Update on industry connections and programmes supporting STEM in NZ

To:	Hon Jan Tinetti, Associate Minister of Education		
Date:	19 February 2021	Priority:	Low
Security Level:	In Confidence	METIS No:	1250523
Drafter:	Patrick McKibbin	DDI:	s 9(2)(a)
Key Contact:	Rose Jamieson	DDI:	s 9(2)(a)
Messaging seen by Communications team:	No	Round Robin:	No

Purpose of Report

In our agency meeting (11 Feb) the Secretary for Education agreed to provide you with this paper.

The purpose of this paper is to advise you of engagement with employers, business and industry that represent and have an active interest in Science, Technology, Engineering and Maths (STEM).

Note that we will keep you advised through the Education Weekly Update (EWU) on progress on this work and the ongoing conversations with employers, business and industry representing the STEM sector.

Agree to forward this paper to the Minister of Education, Associate Minister of Education (Māori Education), and Associate Minister of Education (Pacific Peoples)

Agree / **Disagree**

Agree that this Briefing will be proactively released.

Agree / **Disagree**

Summary

- The Ministry of Education has ongoing engagement with employers, business and industry. The majority of employers believe there is a role for them in guiding young people into pathways for their future careers.
- There is increasing interest from employers, business and industry in STEM education and pathways for Māori and Pacific learners into STEM careers.
- The technology industry has recently contributed to this STEM conversation with the release of the *Digital Skills for our Digital Future* report. This report identified a number of challenges and opportunities with a number recommendations for their industry and education.
- We have collated a list of organisations that have established programmes to inspire and engage learners in STEM education and industry pathways. This list is attached for your information.



Rose Jamieson
Deputy Secretary
Parent Information Community Intelligence

19 February 2021



Hon Jan Tinetti
Associate Minister of
Education

19/02/2021

Background

1. There is an increasing interest in STEM education and career pathways from employers, business and industry. This has been highlighted by two recent events:
 - The release of the New Zealand Digital Skills Forum report *Digital Skills for our Digital Future* on 27 January 2021,
 - Engagement between the Secretary for Education and the Chief Executives from Transpower and the Government Communications Security Bureau (GCSB).
2. Increased interest in STEM education is due to a number of factors including:
 - Continuing growth in the technology sector and the number of jobs generally requiring STEM-related qualifications
 - Desire to attract talent and to diversify their workforces, particularly Māori and Pacific young people
 - An increased awareness of aging workforces and need to attract new talent.
3. There are many STEM related programmes operating across Aotearoa. These are generally designed to increase learners' knowledge, excite and inspire them, or to connect them to a specific industry.
4. In addition to the ongoing Ministry work on the Digital Technologies and Hangarau Matihiko curricula, we are also active in supporting some STEM related work with a small number of community-based organisations and employers.

The *Digital Skills for a Digital Nation* report

5. The New Zealand Digital Skills Forum *Digital Skills for our Digital Future* report was officially launched on 27 January 2021 by Minister Clark. The report was partly funded by the Ministry of Business, Innovation and Employment as part of their Digital Technologies Industry Transformation Plan. The Ministry of Education provided data and support for the report.
6. The New Zealand Digital Skills Forum is a coalition of industry associations and government organisations that work together to identify key issues and opportunities across ICT, high-tech and digital skills. The group includes NZRise, NZTech and IT Professionals NZ.
7. The report provides an analysis of our digital skills landscape and actionable findings. The report's purpose is to highlight how Aotearoa New Zealand can realise our potential through development of a skilled capable workforce that is prepared for the future of work.
8. A key issue identified by the report is a digital skills shortage. The demand for digital skills is already high, the supply of digitally skilled workers is low, and demand is forecast to grow. The report suggested critical investment in needed by both private and public sector organisations in the development of their staff.
9. The report identified a range of education-related recommendations. These included building a talent pipeline, supporting the transition to work, and upskilling and reskilling the New Zealand workforce. We have included all recommendations from the report in Annex 1.
10. Since the report launch key people from the technology industry have reached out to the Ministry to meet with us and the Tertiary Education Commission (TEC). Technology leaders wish to start a conversation about the recommendations and the following areas:

- How quickly can we develop a digital apprenticeship?
 - What can industry be doing to help encourage more students to study tech?
 - Can we make internships easier and better for both industry and graduates?
 - What changes to courses are needed to better support upskilling of the workforce?
11. We have scheduled a meeting for 24 February that will be attended by key executives from NZ Tech, NZRise, IT Professionals NZ, and Internet NZ. The Secretary for Education and the Chief Executive from TEC will attend the meeting with key people from their teams.

Engagement with Transpower and the GCSB

12. On 20 January 2021 the Secretary for Education met with Alison Andrew, Chief Executive of Transpower, and Andrew Hampton, Chief Executive of the GCSB. This meeting was at the request of these organisations.
13. Both Transpower and GCSB have existing work in STEM skills growth. Discussion included:
- Their attempts to attract into their organisations tertiary learners studying STEM-related qualifications
 - Their struggle to attract workforce largely due to competition between employers for these graduates
 - Their concerns over their aging workforces
 - Their interest in diversifying their workforce in order to provide equitable outcomes for Māori and Pacific learners.
14. Both organisations are actively attracting and supporting young people into their organisations:
- GCSB run a scholarship programme. They also encourage their younger workforce to be active in inspiring young learners in primary and secondary education towards STEM education and pathways
 - Transpower have had a year-long programme that has helped two young Māori learners towards a STEM (cyber security) pathway in their organisation. This programme has not been as successful as they hoped.
15. This meeting identified a number of immediate actions:
- **Action** - Help GCSB to connect and engage with a group of schools to discuss how they might work with Māori and Pacific learners in secondary education to excite and inspire them towards a STEM future
 We are setting up a meeting between five secondary schools in South Auckland that are collaborating on career pathways through the Ara Education Charitable Trust.
 - **Action** – Provide a summary of STEM programmes. This will help Transpower see what is available as options to consider as an alternative to their current work
 The Ministry has collated a list of different STEM programmes that we are aware of and shared this with Transpower and GCSB. A summary is provided below.

STEM programmes available in Aotearoa

16. To date we have identified over 60 different programmes that support STEM pathways across Aotearoa New Zealand (attached at Annex 2).
17. Programmes are being supported and run by different types organisations - community organisations, schools, employers, business and industry, the Ministry of Education and other government agencies. Some programmes support specific industries, and some provide broader STEM education.
18. Of the programmes identified we note:
 - Many are point solutions to a situation or gap, and are generally not coordinated centrally
 - Most are available to all students, of any ethnicity, and operate nationwide
 - A smaller number are specifically focused on Māori and Pacific learners. These instances often include a collaboration with employers and schools
 - Programmes are supported financially by many different organisations including community, philanthropic, employers, and government
 - A range of STEM activities include coding, technology, digital, engineering and gaming, along with some offering more general STEM activities
 - Most are supported by pedagogy.

Ministry of Education support for STEM activity

19. In addition to the ongoing work of the Ministry on the Digital Technologies and Hangarau Matihiko curricula the Ministry is active in supporting some STEM related work with employers, business and industry and community organisations. Three examples of our support are summarised below.
20. **P-Tech** - The Ministry provided some support for the IBM P-Tech programme that commenced at two schools in South Auckland in 2020. P-Tech is a collaborative industry education model that provides secondary school students from lower socio-economic backgrounds with the academic, technical, and professional skills and credentials they need for competitive STEM jobs. P-Tech operates across the world in over 200 schools. Our support includes:
 - \$12,500 each for the two schools involved (Aorere College and Manurewa High School). The funding was provided at the start of the programme in 2020 to support skills mapping and teacher release time
 - A member of the Auckland region education team is a participant on the P-Tech working group
 - We meet regularly with P-Tech and assist them to engage with other opportunities and communications (i.e. Education Gazette stories).
21. **Pūhoro STEM Academy** - Pūhoro is a transformative programme based in Massey University aimed at advancing Māori leadership and capability. The programme works directly with secondary school students and their whānau across the country. It provides students and whānau with mentoring, tutoring, wānanga, experiential learning/field trips, all within culturally appropriate settings to help them navigate career pathways into science and technology related industries. Our support includes:
 - The Ministry is currently working through a procurement process with the aim of providing funding support, 9(2)(f)(iv) Pūhoro have also been supported by Massey University, Ministry for Business

Innovation and Employment, and philanthropic funders such as the Tindall Foundation

- We support Pūhoro to connect with relevant employers and industry. This supports the ability to provide their students with opportunities to see and connect their STEM studies to the world of work.
22. **KiwiBots** (The NZ Robotics Trust) – KiwiBots provides opportunities that grow the capability of future innovators and creative thinkers through robotics. Our support includes:
- We have helped two North Island kura with funding (\$1,000) to attend the KiwiBots regional events for the first time. The learners attending the events excelled, with one kura coming second in the competition just missing out on a place to attend the virtual world championship in the USA later that year
 - We have invited KiwiBots to be part of the education stand at the Pasifika Festival in March 2021. KiwiBots will provide hourly hands-on sessions for learners and we will talk to parents about pathways into STEM careers.

Next Steps

23. We will update you following the meeting with the technology sector representatives through the Education Weekly Update.

Proactive Release

24. We recommend that this Briefing is proactively released as per your expectation that information be released as soon as possible. Any information which may need to be withheld will be done so in line with the provisions of the Official Information Act 1982.

Annexes

Annex 1: New Zealand Digital Skills Forum 'Digital Skills for a Digital Nation' report recommendations

Annex 2: STEM Programme Summary

Proactively Released

RECOMMENDATIONS: From the Tech Sector

The tech sector members of the Digital Skills Forum, NZTech, NZRise and IT Professionals NZ, have reviewed this study and its conclusion and have the following recommendations. The tech sector is committed to working with the Government via the Digital Skills Forum to continue to address the digital skills gap with both short term and long term policies and initiatives. Our recommended actions are:

Building the talent pipeline

1. Make sure every child is exposed to digital technologies

In the long term, we need to dramatically increase the supply of digitally skilled people in New Zealand. Therefore, the successful introduction of the digital technologies/hangarau matahiko curriculum is critical. Increased investment should be made to ensure teachers and principals are actively driving the new learning into their schools as quickly as possible.

2. Help all Kiwis to understand the importance of digital skills

The skills issue is not about the tech sector, it is about the future of work. We recommend investment to increase the understanding of the importance of lifelong learning and digital technologies.

3. Increase the numbers studying advanced digital skills

The number of students who study computer science or information technology at a tertiary level needs to increase. A national campaign should be designed to encourage

more students into relevant tertiary study.

4. Actively encourage a more diverse group of Kiwis into digital technology

The tech sector is actually very diverse thanks to immigration. Rather than import diversity, we must invest in the untapped potential of our own population. We recommend the development of significant policy approaches and initiatives to increase women, Māori and Pasifika in digital roles. Consideration should be made to applying positive discrimination to incentivise and encourage individuals into computer sciences and information technology courses, in the same way as it is applied for other nationally critical skills, such as medicine.

5. Undertake a programme of constant digital attraction

New Zealand should invest in building its Digital Nation brand and use ongoing digital campaigns to target and attract the best possible talent from abroad. After all, digital people use digital tools to find their next job. We recommend investment into building a database of digital talent looking to come to New Zealand and a programme of constant engagement.

Supporting the transition to work

6. Develop and promote pathways into digital tech roles

As there are multiple pathways into digital roles, these need to be clearly promoted. We recommend investment into updating pathway information and ongoing promotion of the various pathways into digital technology roles including ways to upskill or reskill into in demand areas.

7. Develop a platform to support internships

To help students transition faster into productive employees, most tertiary courses now include work experience and internships. However, this part of the market is fragmented with businesses being approached by multiple education providers. In addition, it is often unclear what to expect from an intern, which can lead to lower rates of participation. It is recommended that a neutral platform is developed to provide a central location for engaging with students looking for internships or work experience. The platform should be used to create consistency in the experience and help employers understand ways to get the best return from different experience levels.

Upskilling and Reskilling

8. Develop programmes to support re-entry to work

With less than 30% of the tech workforce being female, significant opportunity exists to improve gender balance and help address the skills shortage. We recommend developing programmes to help women return to the workforce and into digital roles.

We recommend extending the pilot Return to IT programme to include support from education providers to help women without digital skills to develop them, so they can return to the workforce in digital roles.

9. Create upskilling programmes for those likely to be hit by automation

The growth in demand for digital skills presents a unique opportunity in that the number and type of roles emerging is broad. Against this backdrop, the Government and tech sector should work together now, to create and pilot programmes specifically targeted at groups within society that may be hit hardest by potential automation of jobs. The focus should be on developing skills that the market will need most, not just on filling education quotas.

10. Educate the market on importance of training and development

The value of investing in training and development of existing staff needs to be promoted explicitly. The Government and industry should consider co-investing in a study on the economic benefits obtained by organisations that develop their digital staff. Successful high profile tech firms who have a policy of ongoing development should be highlighted as exemplars.

Proactively released

Programme Name	Who runs the programme?	Where is the programme based?	Schools involved	Who is the programme for?	Ethnicity focus (if applicable)	General Description of the programme.	Funding (who funds and \$ if known)	Focus area, i.e. STEM, Technology, Environment etc)	Is the programme supported by Pedagogy and curriculum resources?	Comments	Website link
P-Tech	IBM - partnerships with other businesses, i.e. The Warehouse Group	Auckland	Manurewa High School, and Aorere College	Year 9-13 students	Any students. Generally Māori and Pacific students due to location	Pathways in Technology Early College High Schools (P-TECH) are innovative public schools that bring together the best elements of secondary school, college and career.	IBM primary funder Other businesses such as The Warehouse Group contribute to participate Ministry of Education have provided small amount of support funding Eudine Amount - \$25,000.	STEM	Yes - IBM provide significant support to schools and teachers with resources which include support for the students from people in business to help students	IBM P-Tech is in 200 schools around the world. Students are supported by the schools and businesses towards jobs for the future. Some students end up in the employment of IBM but many in other businesses	https://www.ptech.org/open-p-tech/
Toro Studios	Toro Studios (Barry Soutar)	Gisborne	Local Gisborne Primary and secondary Students	Primary through secondary - Māori students	Māori students	Primary to secondary and employment pathway for young Māori in Gisborne into the animation and production sector to support 20 plus organisations across New Zealand with similar staffing issues	Seed funding from Toro Studios and Tairāwhiti EDA - self funding over time	STEM - this will include software development and cyber security	Students at all levels will be inspired and excited into a future of STEM through a 12 week programme that helps young people to be employment ready	Tonui Collab – creating opportunities for Year 1-13 through empowering young people to innovate through STEM workshops. This has been underway for over 12 months and they provided 10,000 students from Tairāwhiti with opportunities in 2019/2020 - Young Animators – creating learning opportunities for Year 1-13 in animation and film - Toro Academy – creating fit for purpose animation programme for school leavers and career changers (in just 12 weeks) – first cohort expected in 2021. There will also be a software development opportunity for young people to support the work. This will include software development and cyber security - The work and education is supported by the regional development and Iwi in the region. - Projections are to train and create over 700 jobs in animation, software development and cyber security in the next 5 years.	http://www.torostudio.nz/
Schools to Skies (and Schools to Seas)	RNZAF & Navy	Auckland and Blenheim	Multiple schools	Year 13 Girls	Any students	"School to Skies" Programme is a Tech and Aviation Camp that will give Year 13 Girls the chance to try before they buy. Applications are open for girls in Year 13, from anywhere in NZ, who are studying NCEA Level 3 (or equivalent) maths AND science subjects.	NZDF	STEM - NCEA Level 3 (or equivalent) maths AND science subjects	Out of school programme designed to broaden the minds of young women to a career in STEM with NZDF	Schools to Skies ran a teacher only version of the programme in January 21 for 40 teachers	https://rnzaf.schooltoskies.co.nz/info/
School Gen	Genesis	Auckland	Nationwide	Primary students	Any students	School-gen aims to get young New Zealanders interested in science, engineering, technology and maths while learning cool stuff about energy – how it's made, how it works and how it can be managed. The programme wants to encourage the energy innovators of the future by helping them build the skills and knowledge they need for the jobs of the future – whatever they will be.	Genesis - 100% funding to schools provided through the Genesis School Gen Trust	STEM	Yes - has provided free educational / curriculum resources to schools across New Zealand for more than 14 years.		https://www.schoolgen.co.nz/
GirlBoss Advantage	GirlBoss NZ	Auckland	Nationwide	Year 11-13 Girls	Any students	The GirlBoss Advantage Programme works with corporate organisations who will help to mentor, grow and support high school aged young women to achieve their dreams, whilst simultaneously addressing the skills and diversity gap which many growth industries are experiencing.	Corporates or Government	Multiple Industries are possible - see comments	The programme is developed with key input from teaching staff but does not provide any specific resources for schools	The most recent instance of this programme (with Fletcher Building) was funded by MOE as part of the Reform of Vocational Education. GirlBoss Advantage partnered with Fletcher Building to run a 5 day accelerator programme that was designed for young women who are passionate about, Leadership, Engineering, Trades, Building, Construction, Infrastructure, Surveying / Quantity Surveying, Innovation, Property Development, Architecture, Design, Urban Planning, etc. Some young women who attended the 5 day course have gone onto university to complete further studies in these areas and are being supported by business.	https://www.girlbossadvantage.com/
Wonder Project	Engineering NZ	Wellington	Nationwide	Years 5-13	Any Students	The Wonder Project is a series of hands-on programmes that seamlessly knit into the New Zealand school curriculum. They're designed to spark wonder and awe in young Kiwis from Year 5-13 and get them excited about a future STEM career.	Industry Association and Business	STEM	Yes - Engineering New Zealand pairs teachers with STEM professionals across New Zealand to build confidence in students so they can achieve remarkable things at school, in their communities, and in their future careers	There are three strands of the Wonder Project for different ages, as follows: - Rocket Challenge - Year 5-6 - Students will blast off into STEM by designing, building and launching a water rocket of their own with a little help from their teacher and a STEM professional. They'll learn about Newton's laws, the engineering design process, and working as a team. - Plant Challenge - Year 7-8 - To combat climate change and fight off global food shortages, students are tasked with engineering a sustainable world using hydroponic technology. Students will experience the wonder of growing their own plants, and with help from a Wonder Project Ambassador will conduct controlled experiments, collect data, and evaluate their findings. - STEM Careers - Year 7-13 - Senior students have limitless job opportunities in STEM, they just don't know it. We'll inspire students to keep taking STEM subjects after Year 10, and give them a taste of the real world with industry visits and motivation talks from STEM professionals.	https://wonderproject.nz/
HeyFuture!	The Mind Lab	Auckland	Nationwide	Years 13+	Any students	HeyFuture! is a hands-on, two-week course that prepares 18-22 year olds for the future. A range of speakers, workshops and a real-life industry project will build skills, confidence, and real-life experiences across a range of areas including problem solving, collaboration, creativity, curiosity, perseverance and 'getting stuff done'.	User/School pays, scholarships are available (1250 for 2 week course)	STEM	Unknown - Focus of this is outside of schools but will be well supported by the knowledge and skills of teaching professionals		https://themindlab.com/heyfuture/
Bricks 4 Kids	LEGO NZ	Nationwide	Nationwide	Years 1-8	Any students	Bricks 4 Kids uses LEGO® products to provide a fun, hands-on learning and building experience focused on STEM concepts. The goal of Bricks 4 Kidz is to provide a learning experience for children that encourages critical thinking, creativity, organisational skills, problem-solving, and teamwork.	School	STEM	Yes		https://www.bricks4kidz.co.nz/stem/
STEM Club	Make Room Wellington	Wellington		Students aged 8-13	Any students	Stem Club is a weekly education programme for young people interested in the world of STEM and creating. It equips young people with hands-on practical skills, in and after-school club setting.	User, \$300 for a term	STEM	Unknown		About Stem Club – Make Room Wellington
MindLabKids.Com	The Mind Lab	Online	Nationwide	Students aged 5-12	Any students	MindLabKids.Com is a free video-based learning website for kids aged 5-12 where they can have fun with STEM, learn amazing science skills and have a go at hands-on activities that they can do at home.	Free for user, backed by Unitec and Spark	STEM	Unknown but likely to be well supported in the area of pedagogy.		Create, innovate and learn. An endless supply of kid-friendly challenges at home. Mind Lab Kids
Nano Girl Labs	Michelle Dickinson AKA 'Nano Girl'	Online	Nationwide	All learners	Any students	There are a variety of online and in-person programmes available. All aim to inspire students futures in STEM, and encourage them to dream big.	Free for user online. Physical events cost \$ and cookbook for science can be purchased	STEM	Unknown. Certainly developed with teaching in mind and engaging students into STEM.		Home (nanogirl.co)
Kiwi Bots	The NZ Robotics Charitable Trust	Nationwide	Nationwide	All learners	Any students	Wide variety of programmes (age dependant) that provide rangatahi with opportunities to develop technical, social, practical and emotional skills - all while learning about STEM. Programmes centre around robotics.	Fisher and Paykel, Smales Farm, Wright Family Foundation	STEM	Yes, kits are designed for teaching and the work is often supported by a science or technology teacher in schools.		Home The New Zealand Robotics Charitable Trust (kiwibots.co.nz)
The GO Club	Kāpiti Impact Hub	Wellington	Local Kapiti Schools	Primary aged girls	Any students	The GO Club is New Zealand's first STEM after-school club for girls that aims to take the curiosity young girls have for STEM and turn that into confidence, empowering them to take on STEM subjects in High School and beyond.	Unknown	STEM	Unknown		STEM for kids The GO Club New Zealand

STEAM Schools	Ministry of Inspiration	Nationwide	Nationwide	Years 9-13	Any students	STEAM Schools is a one-day-a-week programme that aims to involve children in hands-on learning around a topic that integrates the STEAM subject areas.	Supported by a variety of charitable trusts, e.g. Rātā Foundation. Rely on grants, donations, and student fees to run our organization.	STEM	Unknown. Programmes seem to be developed by teachers so are likely to be based on pedagogy		STEAM Schools Ministry of Inspiration
Pūhoro STEM Academy	Massey University	Palmerston North	Schools in various parts of NZ are aligned to this programme through their student participation	Māori students in years 11-13 and into tertiary	Māori students	Pūhoro is a transformative programme aimed at advancing Māori leadership and capability to deliver a world-class science community. The programme works directly with secondary school students and their whānau across the country, providing students and whānau with mentoring, tutoring, wānanga within culturally appropriate settings to help them navigate career pathways into STEM	Massey University, Tindall Foundation, MBIE (Provincial Growth Fund) and other funders. Ministry of Education are supportive and have provided some funding. Genesis have recently begun supporting Pūhoro at two schools in the central North Island.	STEM	The programme itself supports students directly to be able to take and achieve STEM subjects in schools	Results of this programme in terms of engagement, support and academic success are exceptional and way above the standard levels for all students	https://www.puhoro.co.nz/
Y-Tech	Y-Tech	Auckland	Many	Students, teachers and parents	Any students	A group of students from South Auckland organises Y-Tech each year. Different students join the panel each to organise the events. Y-Tech is a free student organised event aimed at providing youth aged 14 to 20 insight into the ever advancing field of technology.	Various organisations - MOE has helped with some funding in the past and organisation provide venues and foods for free, i.e. Auckland University and Datacom.	STEM	No	This is a fantastic event based organisation that is organised for students by students. They are supported by Edwina Mistry who is a well known advocate for STEM engagements and participation. Next event in 2021 is just being organised.	https://omgtech.co.nz/event/ytech
Shadowtech (students) (not running 2020)	NZ Tech	Auckland	Nationwide	Year 11-13 Girls	Any students	ShadowTech is a national mentoring programme with events across New Zealand. In each region, ShadowTech is held on a single day each year, and coordinated by a local tertiary institute.	Industry	Technology	Not specifically resources but students will get real world advice from technology professionals in their area and be able to build lasting relationships.	Students and mentors register their interest in participating, and are matched by the tertiary provider. They meet in a central location to hear inspirational speakers, then spend the day with mentors at their workplace; attending meetings; being introduced to various departments, and mentors even take the girls out for lunch!	https://shadowtech.nz/
Shadowtech (teachers) Feb 2021	NZ Tech	Auckland	Main Centres across NZ	Teachers	Educators	Connecting Teachers and Career Advisors to Industry	Ministry of Education in 2021 - Part of the Reform of Vocational Education Funding	Technology	Not specifically resources but teachers will get real world advice from technology professionals in their area and be able to build lasting relationships.	ShadowTech Teachers is also a great opportunity to build an ongoing relationship between your school and an industry organisation in a community to help provide benefits and connections in the future such as School Visits, site visits for students, experiences for students and work experience. It is hoped it will help to bridge the gap in knowledge between teachers and careers advisors and give them first hand knowledge of the pathways that exist, or the skills required to do the jobs in the current or future workplace	https://shadowtech.nz/
Brightsparks	Skills Org ITO	Nationwide	Nationwide		Any students	In it's 21st year, the Skills Bright Sparks programme is New Zealand's top competition for young inventors. Encompassing all areas of modern technology, it's the most diverse technology competition in New Zealand. Skills Bright Sparks welcomes entries from more than just electronics and includes inventions with a focus on software, the environment, science, engineering and robotics.	Skills Org, Private Sponsorship - ASB Bank	Technology / Electronics and Programming focused, but also linked to Science, Maths	Unknown'	Project Based Invention Competition- Categories include Hardware, Software, Girls only category, Some Project are done as part of school, others a passion projects.	https://www.brightsparks.org.nz/
CREST Awards	Royal Society of NZ	Nationwide	Nationwide	Year 0-13	Any students	CREST is designed to encourage years 0-13 students to be innovative, creative, and to problem solve in science, technology and environmental studies.	Unknown	Science, Technology	Yes	Engages students at secondary schools who predominately are University bound and highly engaged in the Sciences.	https://www.royalsociety.org.nz/what-we-do/funds-and-opportunities/crest-awards/
The Electric Garden	Digital Aotearoa Future	Nationwide	Nationwide	Year 5-8	Any students	The Electric Garden is made up of two parts: A wireless Electric Garden sensor that students install in their school garden, and a Learning Platform where students use data gathered from the sensor in guided Digital Technologies lessons. Students use their real-time data showing soil temperature, soil moisture, air humidity, air temperature and the amount of light to learn Digital Technologies.	Spark Foundation	Digital Technologies. Links to Science and Maths	Yes- DTHM		https://www.electrigarden.nz/
Like a Boss	21C Skills Lab	Nationwide	Nationwide	Year 7-10	Any students	Like a Boss (L.A.B) is a free ten-module programme designed for educators to help Y7-10 students create their own business for good and build the skills to thrive in the new era of work.	Business and philanthropy	Various incl STEM	Unknown. It is a free ten-module programme designed for educators to help Y7 plus students build skills useful for their future. Some of these skill and the projects will be STEM related, i.e. Aons etc.	Could be adapted to focus on STEM themed ventures - strong link to developing 21C Skills and Enterprise skills.	https://www.likeaboss.org.nz/
Girls in HIVis	Connexis ITO	Nationwide	Nationwide	Year 11-13 Girls	Any students	Education and Awareness of the Infrastructure Industry, linking Talent pipeline and pathways for young women into Apprenticeships.	ITO	STEM	Gateway, Unit Standards	This is an event	https://www.connexis.org.nz/girls-with-hi-vis/
Health Science Academy	CMDHB	South Auckland	James Cook High, Tangaroa College, Manurewa High School, Alfriston College, Otahuhu College, Onehunga College	Pasifika and Māori. Year 11-13	Any students	Aimed at increasing Pasifika and Māori workforce in health industry specific to CMHB region.	Tindall Foundation	Science, Maths, English	The curriculum is strongly science-based (to align with tertiary course entry requirements). The academy allows for cross-curricular and contextualised learning.	Year 11 students do a double science in either Physics, Chemistry or Biology to support their success and discovering a specialisation at Year 12 and 13 for entry to Tertiary. Students receive mentoring, study support and health career related workplace visits.	https://countiesmanukau.health.nz/news/health-science-academies-focus-for-fit-for-purpose-camp/
Agrication	Core Education / NZ Young Farmers	Nationwide	Nationwide	Year 1-12	Any students	Curriculum resources using Industry examples as the context of learning.	Red Meat Profit Partnership + Industry	Science, Technology, Literacy	Yes		https://agrication.co.nz/
Wool in School	Young Farmers	Nationwide	Nationwide	Year 7-8	Any students	The Wool in Schools project aims to help you understand wool's place in our lives, and how and why it is part of our future. We have identified or developed resources that support New Zealand curriculum teaching of year 7 and 8 students. These have a range of applications, including Science, Technology, Mathematics and Economics, History, English and Art, for you to tailor to your needs. You could even create a full-on fibre factory, from Fibre to Finished Product, complete with marketing campaign	PGG Wrightsons, The Campaign for Wool HRH Prince of Wales.	Science, Technology, Mathematics and Economics, History, English and Art	Yes		https://woolinschools.nz/
Dairy in School	DairyNZ	Nationwide	Nationwide	Year 0-10	Any students	Curriculum resources using Dairy as the context of learning.	DairyNZ	STEM	Yes		https://www.dairynzschoos.co.nz/
LEARNZ	Core Education	Nationwide	Nationwide	Year 1-8	Any students	Virtual Fieldtrips	Field Trips are sponsored by Org. Industry. MOE has a contract with Core Education to fund these for the last few years	STEM	Yes	Traditional been focused on Primary/Intermediate curriculum areas. MOE is supporting an instance of LERANZ in 2021 around pathways into construction	http://www2.learnz.org.nz/core-fieldtrips.php

Enviroschools	Toimata Foundation	Nationwide	Nationwide	ECE< Year 0-6	Any students	Enviroschools is a nationwide programme supported by Toimata Foundation, founding partner Te Mauri Tau, and a large network of regional partners. Early childhood centres and schools commit to a long-term sustainability journey, where tamariki/students connect with and explore the environment, then plan, design and take action in their local places in collaboration with their communities	Ministry of Environment, DoC, MotherEarth, Local Govt	STEM, Sustainability	Yes		https://enviroschools.org.nz/about-us/ Educational Programme- no direct spotlight on Pathways, but Inspiring Futures or other programme could leverage this programme.
Robopā	Wananga o awaniarangi	Bay of Plenty	22 Kura	Year4-8	Any students	RoboPa is a portable maker-space where Māori youth can access technologies, code and equipment. Participants will engage in computational tasks designed to challenge them to solve problems in a team environment. Utilising VEX Robotics Kits and Competitions	Curious Minds have in the past	Engineering, Technology	Unknown but is well supported in these kura and aligned to curriculum in these instances.	RoboPā 2018 is a portable maker-space encouraging Māori rangatahi and emerging kaiako to embrace computational thinking practices, scientific approaches and technological innovation	https://www.wananga.ac.nz/experience/news/national-robotics-scrimmage-2020/
GameTan	GameTan	Auckland	Region-wide	Target Māori and Pasifika young people	Any students. Generally Māori and Pacific students due to location	To give New Zealanders prosperous opportunities and career pathways to do what they're passionate about in gaming and STEAM. They have specialized designed courses, programmes and initiatives surrounding STEAM and career pathways youth and people can pursue right now!	Philanthropic - Foundation North, TSI	STEAM via Gaming	No		https://www.gametan.co.nz/about
Andy Makes First	Makes: Andy Crowe, Make First Ltd	Auckland	South Auckland	Year 1-13	Any students	Andy Makes supports youth and educators to explore STEAM pathways. Primary and secondary school students who attend Make First tech workshops encounter and learn knowledge and skills in a collaborative environment, including coding for beginners, 3D printing, and game design. Make First also works with learning organisations, helping them to develop their digital curriculum, and learning pedagogies. It supports schools to develop their design thinking approaches, inquiry-based tech learning models, and teaching materials.	User pays, The Southern Initiative	DTHM	Yes	Workshop delivery	https://www.learningarchitects.com/
MATCH	Māoriland Charitable Trust	Otaki	Kura Kapapa in Otaki - Horowhenua-Kapiti Coast	For rangatahi in years 7 – 10 - For rangatahi in NCEA levels 1 – 3-For rangatahi not in education or employment aged 18 – 24	Māori students	The Māoriland Tech Creative Hub – M.A.T.C.H is a creative space for rangatahi to use and unleash their creative thinking and problem-solving skills to develop and build creative solutions for our future. M.A.T.C.H is developed around a tuakana-teina model for rangatahi to work collaboratively, is Indigenous-led and STREAMS focussed – science, technology, reading, entrepreneurial, arts, mathematics, and sustainability. This approach recognises the importance of Indigenous knowledge when working towards an innovation-focused future society.	18-24 programme funded by MSD	STEM	Yes	8 students from the 18-24 programme about to start 6weeks paid work experience.	https://maorilandfilm.co.nz/match/
Digital Native Academy-DNA	Digital Natives Academy (DNA) Charitable Trust	Rotorua	Kura and mainstream Schools in BOP regions well as whanau and individuals	Focussed on Māori rangatahi and whanau	Māori students	to create career pathways for whānau who don't have access to technology. To inspire them to become makers and innovators of technology, rather than users and consumers of it.	Some funding from NZQA	Yes	Yes	Have produced an excellent resource for Rangatahi Wellbeing in the digital world.	https://digitalnatives.academy/
KO MĀUI HANGARAU TŪRANGANUI-A-KIWA	Arataki Systems	Tauranga	Tauranga & Otaki (so far) Gisborne March 21st 2021		Māori students	A high-powered summit featuring some of the best Māori Tech Innovators and Entrepreneurs from around the country. The aim is to awaken, inspire and ignite Rangatahi into pathways in tech, innovation and entrepreneurship! An event designed to capture the hearts and minds of Rangatahi who have an interest in Digital Innovation, Technology and Entrepreneurship. An event that exposes Rangatahi to some of the best Māori Tech Innovators and Entrepreneurs in the country, to learn about their journey, experiences and challenges.	Not sure	STEM	No - its an event for pathways		https://www.kmh.nz/
Fusion Networks / Manaiakalani Schools	Fusion Networks	Auckland	Manaiakalani Schools		Any students. Generally Māori and Pacific students due to location	Fusion have a long history working with Education providers including Manaiakalani, The Ministry of Education and Network 4 Learning. School they work with expect a lot from them, and we always deliver above and beyond. They have supported Manaiakalani schools to provide innovative programmes that support technology and digital outcomes through to internships and employment.	Fusion Networks	Technology	Yes working with Manaiakalani Schools	Programme also works with Learncoach	https://www.fusionnetworks.co.nz/
Code Avengers	Code Avengers	Online	Unknown	Year 1-13 students and beyond		They are an online digital technology education service based in New Zealand. Their team is built of talented school teachers, software developers, designers, and marketers working to create the best learning platform available.	Monthly plan paid for by user	Digital, web etc	Yes	Partners include MOE and Te Kura	https://www.codeavengers.com/
Tahi Rua Toru Tech (123 Tech)	IT Professionals New Zealand, in partnership with the NZ Ministry of Education and a number of other partners	Wellington	Nationwide	Years 1-8	Any students	123Tech is New Zealand's exciting digital challenge for school students built around the successful TechHub Challenge. Through 123Tech, we'll help you solve problems in your local school or community using digital technologies – and have fun along the way!	MOE	Digital Technologies.	Yes - supports the Digital Technologies and Hangarau Matihiko curriculum	Run through until 2020	https://123tech.nz/

Code Club Aotearoa	Code Club Aotearoa is an initiative of Digital Future Aotearoa	Nationwide	Nationwide	All Learners	Any students	Code Club is a nationwide network of free volunteer-led coding clubs for kiwi kids. Code Club helps volunteers and clubs find each other, and supplies coding projects for volunteers to teach at club sessions. We are helping Aotearoa New Zealand reach its digital potential by encouraging children to combine their imaginations with an understanding of programming, and to take their incredible inventions to the world. Diversity and inclusivity are core values of Code Club Aotearoa.	Charitable organisation	Coding (Technology)	Yes	https://www.codeavengers.com/	https://codeclub.nz/
Tech Hub	IT Professionals of NZ	Wellington	Nationwide	All Learners	Any students	TechHub (formerly known as ICT-Connect) is the IT industry's in-school outreach programme, operated by the peak body IT Professionals New Zealand. IT is an interesting, challenging, rewarding and diverse profession at the cutting edge of innovation. TechHub shows you how to get there.	IT Industry	Technology / Digital	Yes	TechHub organises hundreds of school visits from IT professionals each year, to get kids excited about a future career in IT, as well as running contests, providing career and educational information about IT, organising and attending career expos and much more. TechHub also helps support other activities designed to help young people understand the huge range of opportunities in the IT industry and supports schools, teachers and parents engaging with the IT industry.	https://techhub.nz/
CS4HS (Computer Science for High School Teachers)	AUT	Auckland	Educators	Early learning, Primary, Secondary School Teachers from across NZ-Digital Technology/Computer Science Teachers	Educators	CS4HS is a workshop aimed at supporting digital technologies teachers with training in STEM subjects in New Zealand schools, and creative ways to present these in the classroom. The purpose of the conference is to upskill our valuable high school educators by presenting ideas to engage students with new technologies so students can be better equipped for the needs of twenty-first century learners.	AUT, Google	STEM, Computer Science	Yes		https://www.cs4hs.aut.ac.nz/schedule1.html
Rangers	OMG Tech	Auckland	Nationwide	Year 1-8	Any students	Rangers gives any primary & intermediate school in NZ the opportunity to take part in its award winning workshops (Plus any grown up, parent, or other member of the public that wants to take part) to be inspired and learn how to use future technology.	Donations to OMG Tech who are a registered charity. Partners include Spark, Microsoft, Westpac, Xero, Datacom, Ara, Internet NZ and many more organisations	Technology	Yes - OMG Tech back up their work with good resources for teachers		https://omgtech.co.nz/rangers
Hour of Code	OMG Tech	Auckland	Nationwide	All learners	Any students	The Hour of Code is a global movement reaching tens of millions of students in 180+ countries. Anyone, anywhere can organize an Hour of Code event. One-hour tutorials are available in over 45 languages. No experience needed. Ages 4 to 104. Typically, worldwide there will be over ten thousand Hour of Code events registered, join the movement! OMG Tech have created a how-to here on our learning management platform. Organisers can take yourself through and learn how to run hour-of-code yourself with your tamariki and rangatahi. It is a fun and easy way to introduce coding to them in a self-led environment.	Donations to OMG Tech who are a registered charity. Partners include Spark, Microsoft, Westpac, Xero, Datacom, Ara, Internet NZ and many more organisations	Coding (technology)	Yes - OMG Tech back up their work with good resources for teachers		https://omgtech.co.nz/hourofcode
Professional Development	OMG Tech	Auckland	Nationwide	Teachers		Digital technology is critical to every aspect of life, now and into the future - be it robots, artificial intelligence, flying cars, augmented reality, 3D printing and so much more... To recognise this the Government has made it part of the New Zealand Curriculum in all schools. Which means you are now the key to ensuring all children learn digital technology! Whether you are just starting on your digital technologies haerenga (journey), or whether you are well on your way, let us help you!	Donations to OMG Tech who are a registered charity. Partners include Spark, Microsoft, Westpac, Xero, Datacom, Ara, Internet NZ and many more organisations	STEM	Yes - OMG Tech back up their work with good resources for teachers. They have fully accredited facilitators ready to take staff on their unique digital technologies journey. Come meet the team or flick us an email and we can talk you through the options. It is fully funded by the Ministry of Education.		https://omgtech.learnworlds.com/
Mana Tangata	OMG Tech	Auckland	Nationwide	Disadvantaged learners	Any students	The Mana Tangata programme selects 30 students from communities around Aotearoa NZ that are not well represented in tech and pairs them with an awesome tech industry mentor. Together you create the path to become a future technology leader.	Donations to OMG Tech who are a registered charity. Partners include Spark, Microsoft, Westpac, Xero, Datacom, Ara, Internet NZ and many more organisations	STEM	Yes - OMG Tech back up their work with good resources for teachers	Connects disadvantaged learners to industry	https://omgtech.co.nz/mana-tangata-1
Kōkōkaha (Powered by Wind)	Yachting NZ	Auckland	Nationwide	Year 5-10	Any students	Kōkōkaha is an integrated unit of work that focuses on the science, technology, engineering and maths (STEM) associated with harnessing the wind. Kōkōkaha's learning experiences are designed for students in years 5 through to 10 and are intended to provide them with the skills and knowledge to design their own technologies to harness the power of the wind. Kōkōkaha learning experiences can easily be adapted for older or younger children. Kōkōkaha is available to schools and kura throughout New Zealand.	Volvo, Curious Minds, Southern Trust, Maritime NZ, Lion Foundation, MOE, Sport NZ and Emirates Team NZ	STEM	Yes		Home Kōkōkaha (kokokaha-yachting.nz)
NASA Scientist for a day	MBIE	Wellington	Nationwide	Years 7-10		NASA Scientist for a Day is a worldwide competition that NASA put on each year inviting students to write a 300-word essay to answer a question about our unique solar system and the exciting world of astronomy. For the 2021 competition, students are asked to learn about three moons of Uranus — Ariel, Oberon and Titania, then write an essay of up to 300 words explaining which of these moons they would want to explore with a robotic spacecraft.	MBIE	STEM - Space and Science	No - The New Zealand Space Agency is encouraging teachers to take up further space education as part of their curriculum. Giving students an insight into the wonders of space and teaching space exploration is a powerful tool to inspire and engage their interest in STEM subjects and space science.		https://www.mbie.govt.nz/science-and-technology/space/nzspacetalk/schools/nasa-scientist-for-a-day/

Science Alive	Science Alive - a New Zealand Charitable Trust	Christchurch	Christchurch Schools	Unknown (Year 7-10 students)	Any students	2021 brings the new, rejuvenated Science Alive with a mission to deliver, promote, inspire and engage people with the endless opportunities that the world of science. Science Alive is a New Zealand Charitable Trust established to inspire the public in Science & Technology, through interactive experiences.	Sessions are \$450 incl GST per day within Christchurch Charitable Trust - Supported by Asia Pacific Network of Science and Technology Centres, Australasian Science and Exhibits network, and Association of Science and Technology Centres	Space and science - STEM	Yes	In 2021 Science Alive is launching a suite of activities to cater to this, including online virtual education resources, new outreach programmes, in-community exhibitions and educator support. We will continue to develop more offerings and engagements with our communities, and provide more information as these become available. We believe in the potential of every child and are driven to spark hope, excitement and curiosity within our future generations. We recognise that the world is changing at an unprecedented rate, and the demands and lifestyles of our youth are moving with this.	https://www.sciencealive.co.nz/
Bright Sparks	Skills (ITO)	Wellington	Nationwide	Young Inventors	Any students	In it's 21st year, the Skills Bright Sparks programme is New Zealand's top competition for young inventors. Encompassing all areas of modern technology, it's the most diverse technology competition in New Zealand. Skills Bright Sparks welcomes entries from more than just electronics and includes inventions with a focus on software, the environment, science, engineering and robotics. You name it, Skills Bright Sparks want to see it.	Skills (ITO)	STEM	Yes		https://www.brightsparks.org.nz/
Sir Paul Callaghan Eureka! Awards and Scholarships	Eureka! Trust	Wellington	Nationwide	Entry into the Sir Paul Callaghan Eureka! Awards is open to all secondary school students year 11-13 and undergraduate tertiary students, younger than 25.	Any students	In the Sir Paul Callaghan Eureka! Awards year 11-13 students and tertiary students deliver 12-minute presentations about how an application of science or technology will benefit New Zealand. Each year the contestant who the Judges decide has delivered the best presentation is awarded the Sir Paul Callaghan Eureka! Premier Award, and prize money totalling \$10,000. The Judges also select three runners up who receive Highly Commended Awards, plus prize money of \$5,000. The remaining eight contestants who were selected as National Finalists each receive a Merit Award, and prize money of \$1,500. As well as the Awards and prize money a number of Scholarships are also available to contestants to help fund their tertiary studies. While most of the Scholarships reflect the issues identified in the National Science Challenges there are also special Scholarships available for Maori and Pasifika students.	Since 2014 the trust has received \$25,000 of funding per year, to assist with the operational costs associated with running the awards ceremony. This funding comes from ELSA baselines. \$10,000 of this funding is designated to support the delivery and marketing of two specific scholarships: 1) The Ministry of Education Gold Scholarship - valued at \$5,000 and awarded for the best STEM presentation by a Maori secondary school student 2) The Ministry of Education Gold Scholarship - valued at \$5,000 and awarded for the best STEM presentation by a Pasifika secondary school student	STEM	Unknown	N/A	https://www.eureka.org.nz/eureka-awards
The Prime Minister's Vocational Excellence Award	Ministry of Education	Wellington	Nationwide	Year 12 and 13 students	Any students	The Prime Minister's Vocational Excellence Award is a \$2000 prize for the top student studying a vocational programme of learning in each state and state-integrated secondary school and wharekura, as nominated by the school principal.	Ministry of Education	Vocational Education and Training	No - is only a \$2000 prize	Prize is designed to provide parity with school prizes such as Dux to raise the status of vocational education.	Home – Prime Minister's Vocational Excellence Awards (education.govt.nz)
Royal Society Te Apārangi Science Teacher Leadership Programme	Royal Society Te Apārangi			Science teachers	Any students	Strengthening teacher and school capability to deliver quality science teaching and learning from primary through to secondary		Science			https://www.royalsociety.org.nz/what-we-do/funds-and-opportunities/science-teaching-leadership-programme/about-science-teaching-leadership-programme/
Secondary-Tertiary Programmes	Secondary-Tertiary Lead Providers (there are 24 of these across the country)	Nationwide	Nationwide	Year 11-13 students interested in a career in the trades, technology or industry	Any students	Trades Academies (Secondary-Tertiary Programmes) aim to engage young people in education and equip them with the relevant vocational skills and training they need to succeed in the world of work. 21.8% of Trades Academy programmes are Manufacturing and Technology programmes. These programmes focus on everything from automotive to electronics and CAD, from mechanical and electrical engineering to aviation. 12.2% of Trades Academy programmes are Construction and Infrastructure programmes.	Ministry of Education	Vocational Education and Training	Vocational Pathways	More information on specific Trades Academy programmes can be found at the websites of the lead providers e.g. https://www.eit.ac.nz/subject-areas/trades-academy/	https://youthguarantee.education.govt.nz/initiatives/opportunities-at-school-and-beyond/trades-academies/
LEOTC (Learning Experiences Outside the Classroom)	various	across NZ	Numerous	Students years 0-13	Any students	LEOTC provides programmes to enrich curriculum delivery. Providers include zoos, museums, wildlife parks, the Sci-Tech roadshow, environmental centres, Antarctic Centre.	Ministry of Education makes a contribution to funding	across the curriculum, but many have a strong science focus included	Yes - providers work with teachers to deliver programmes to complement in class learning		
Sir Paul Callaghan Science Academies	The National Science Technology Roadshow Trust	across NZ	Multiple	Primary teachers and through them, their students	Any students	academies are provided during school holidays to upskill teachers and provide them with a range of activities and resources	Ministry of Education	Primary Science	Yes - and delivered by expert teachers		
Work with MBIE including the Science Learning Hub,	University of Waikato through MBIE	across NZ	Multiple	schools	Any students	an online repository of science information, resources and activities for teachers and students	MBIE	STEM	usually		
Unlocking Curious Minds, Participatory Science Platform	various through MBIE	across NZ	Multiple	schools and citizens	Any students	community involvement in citizen science	MBIE	STEM	usually		

Proactively released

Sir Paul Callaghan Eureka! Awards and Scholarships	Eureka! Trust	Wellington	Nationwide	Entry into the Sir Paul Callaghan Eureka! Awards is open to all secondary school students year 11-13 and undergraduate tertiary students, younger than 25.	Any students	In the Sir Paul Callaghan Eureka! Awards year 11-13 students and tertiary students deliver 12-minute presentations about how an application of science or technology will benefit New Zealand. Each year the contestant who the Judges decide has delivered the best presentation is awarded the Sir Paul Callaghan Eureka! Premier Award, and prize money totalling \$10,000. The Judges also select three runners up who receive Highly Commended Awards, plus prize money of \$5,000. The remaining eight contestants who were selected as National Finalists each receive a Merit Award, and prize money of \$1,500. As well as the Awards and prize money a number of Scholarships are also available to contestants to help fund their tertiary studies. While most of the Scholarships reflect the issues identified in the National Science Challenges there are also special Scholarships available for Maori and Pasifika students.	Since 2014 the trust has received \$25,000 of funding per year, to assist with the operational costs associated with running the awards ceremony. This funding comes from ELSA baselines. \$10,000 of this funding is designated to support the delivery and marketing of two specific scholarships: 1) The Ministry of Education Gold Scholarship - valued at \$5,000 and awarded for the best STEM presentation by a Maori secondary school student 2) The Ministry of Education Gold Scholarship - valued at \$5,000 and awarded for the best STEM presentation by a Pasifika secondary school student	STEM	Unknown	N/A	https://www.eureka.org.nz/eureka-awards
Ahi Ka Rangers	Ara Journeys	across NZ		yr 11 - 13 school students	Any Students	A ecological mobile game (APP) and data collection platform designed to transform a generation of gamers into global citizen scientists.	Private enterprise, Licencing user rates	Technology, Data (Maths), Environment, Science	Unknown	New to market in 2021. Te Ao Maori led	https://www.arajourneys.com/rangers
Sotuh Auckland STEM Holiday Programme	Mary Aue + Partners	Mangere		Year 1-13 (5-18yr olds)	Any students. Generally Māori and Pacific students due to location	2 week school holiday programme focused on STEM and supporting young people in the community to access and engage the latest tech and pathways into STEM careers.	Foundation North, Local Govt, Private Enterprise- Microsoft NZ, PBTEch	Technology, Engineering	Unknown	Currently no direct link to Schools- however they are intereted in supporting Teachers within the community their students come from. Partners include- PBTEch, GameTan, Microsoft, Datacom, MOTAT, Code Avengers.	https://www.facebook.com/groups/2306247169676318
Mission Ready Tech Accelerators	Mission Ready	Auckland (in person) and Nationwide Online		Possibly Tear 13 students and beyond secondary students.	Any Students	The Mission Ready accelerator was launched by a passionate team with local and global project experience industry network, talent development experience, and a keen eye on tech skills requirements. We were set up to bridge the growing skills shortage by challenging the way the next tech workforce is prepared. That's why we created this model in collaboration with industry employers and leaders.	User funded	Technology	They work in conjunction with Otago Polytechnic who are NZQA accredited public education institution, consistently ranked in its external evaluations and reviews as highly confident.	9 to 19 week Accelerator Programmes where hands-on experience and industry based training will learners time, effort and money Supported well by industry and employers including Datacom, 2Degrees, Vodafone, Auckland Council, Catalyst and others	https://www.missionreadyhq.com/
RAD - Recycle A Device	RAD - Not for profit	Auckland	Nationwide	All students who do not have a device	Generally Māori and Pacific students due to need	Recycle A Device or RAD is an Aotearoa initiative that helps those who need a laptop be matched with a donated and refurbished device. There are many good quality devices that are no longer needed in our communities. RAD provides an end-to-end process that takes donated devices, refurbishes them, and gives them a second life in the hands of those who need them the most.	RAD is a Not for Profit organisation and is a collaboration between Digital Future Aotearoa, Spark Foundation, Spend My Super, Pam Fergusson Charitable Trust, The Southern Initiative and Remojo Tech.	Enabling learners to have equipment	Unknown	https://recycleadvice.nz/	

Proactively released