

Projects approved for funding in 2018

Regional/National Grants

Application Number	Title	Organisation	Funding (excl. GST)	Description
PROP-55072-UCMFRNG-PFCTR	Kaiwhanake Taupānga Māori - Māori Youth Game Development programme	Pam Fergusson Charitable Trust	\$94,820	The Māori-Game-Development project is a year-long program designed to empower rangatahi in Huntly and Ngaruawahia to design and develop Māori digital learning games, giving them skills in computer science and programming.
PROP-55524-UCMFRNG-MAU	A Breath of Fresh Air: Engaging Students with Air Quality Science!	Massey University	\$82,200	This project will engage students in Northland and South Auckland to learn about the air they breathe inside their classrooms and their home and the way to improve it.
PROP-55174-UCMFRNG-MAU	Te Ra Whakanui Ngā Pūrere Ā-Koiora: New Zealand National Biomechanics Day	Massey University	\$89,234	Expanded and extended for a second year, NZ National Biomechanics Day is celebrating the science of biomechanics with even more secondary students across New Zealand through an experiential learning day.
PROP-55301-UCMFRNG-UOO	Aquavan... discovering our coastal connections	University of Otago	\$66,330	Travelling along southern NZ waterways, the Aquavan will immerse young minds in marine science, awaken curiosity with encounters with marine critters and investigate how actions upstream affect the coastal environment.
PROP-55360-UCMFRNG-LCR	The Great Weeds Hunt of Aotearoa: Community surveillance of pest plants	Landcare Research New Zealand Ltd	\$119,000	Scientists will work with schools and whanau to hunt out pest plants in their corners of Aotearoa. Students will upload their 'weedy discoveries' to create a community surveillance network.
PROP-55495-UCMFRNG-HSNCT	Develop sustainable 'Houses of Science' across the nation	House of Science NZ Charitable Trust	\$100,000	To develop a sustainable House of Science network throughout New Zealand with a goal of empowering teachers to deliver meaningful, hands-on science lessons in primary and intermediate schools.
PROP-55217-UCMFRNG-FRI	Creepy crawlies meet primary production: attracting kids into science and technology	New Zealand Forest Research Institute Ltd Trading as Scion	\$150,000	Engaging students from 20 schools across the Bay of Plenty in science and technology through practical hands-on learning about pest management and biosecurity in the primary industries.

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PROP-55366-UCMFRNG-GNS	Te Kura o Mōrearea o Papatūānuku o Te Tairāwhiti (Natural Hazard school)	Institute of Geological & Nuclear Sciences Limited - Trading as GNS Science	\$150,000	We will stimulate science and technology interest in Te Tairāwhiti year 7-8 students and teachers, through natural hazards field-based courses delivered by GNS Science, iwi, schools and Gisborne District Council.
PROP-55407-UCMFRNG-PTEAA	Papa Taiao Predator Free Secondary	PAPA TAIAO - EARTHCARE LIMITED	\$150,000	Innovative predator free courses will run with secondary school students in Wellington and Northland, integrated with the science and technology curriculum and NCEA, and tested for scale-up across New Zealand.
PROP-55418-UCMFRNG-MAU	He moana pukepuke e ekengia e te waka - A choppy sea can be navigated	Massey University	\$129,149	This project seeks to enhance Māori student participation and involvement in science and technology through project based learning experiences in veterinary and animal sciences, engineering and environmental science.
PROP-55193-UCMFRNG-RSCHTRUSTVIC	Tūhono i te Ao - Connecting the Worlds	The Research Trust of Victoria University of Wellington	\$118,642	Our Kaupapa is to inspire Māori and Pacific students to pursue STEM subjects by creating activities that put Mātauranga Māori and Pacific culture at the centre of their learning experience.
PROP-55441-UCMFRNG-LCR	Tohu o te wā – Hangarau pūtaiao	Landcare Research New Zealand Ltd	\$150,000	Tohu o te wa is the fusing of science and technology to enable meaningful engagement from tamariki and rangatahi (Māori youth), through the development of a Mātauranga putaiiao mobile application.
PROP-55489-UCMFRNG-TEWHARE	RoboPā 2018	Te Whare Wananga o Awanuiarangi	\$104,348	RoboPa 2018 is a portable maker-space encouraging Māori rangatahi and emerging Kaiako to embrace computational thinking practices, scientific approaches and technological innovation.

Local Grants

Application Number	Title	Organisation	Funding (excl. GST)	Description
PROP-55341-UCMFLG-WMCTU	Te Kura O Papatuanuku Wairarapa Earth School Sustainability Curriculum	The Wairarapa Montessori Charitable Trust	\$29,395	Students from across the Wairarapa are challenged to research and develop their own outdoor, hands-on curriculum for the sustainability science and agricultural learning hub they have imagined and designed.
PROP-55503-UCMFLG-NIW	What's in Your Air, Alex?	National Institute of Water and Atmospheric Research Ltd	\$30,000	Schoolchildren in Alexandra will participate in a high-tech study of local air quality, measuring and mapping air quality across the town and sharing their findings with the community and online.
PROP-55528-UCMFLG-NZANT	Future of work and collaboration through a Simulated Human Mission to Mars	New Zealand Astrobiology Network Trust	\$26,000	Synergy in Space: Students are learning life lessons about the future of work and collaboration from a Simulated Human Mission to Mars.
PROP-55157-UCMFLG-UOA	Connecting real-world Mathematics via a digital portal for children with Cerebral Palsy	University of Auckland	\$20,800	Enabling children with Cerebral Palsy to engage with Mathematics in the world around them through a digital portal that augments their view of the real world with mathematical meaning.
PROP-55425-UCMFLG-UOC	Maths Craft in Class	University of Canterbury	\$30,000	We're bringing Maths Craft to maths class! After a year of running UCM-sponsored festivals around New Zealand, we're teaching mathematics through craft in workshops specially designed for students and teachers.
PROP-55493-UCMFLG-MAU	Virtual Food Technology - How science underpins the backbone of the NZ economy	Massey University	\$25,800	Generating awareness and excitement for food processing technologies using augmented reality (AR) to allow students to construct a working virtual food production facility.
PROP-55100-UCMFLG-TRCDE	Toitu nga toheroa, toitu te tangata	Te Roroa Commercial Development Limited	\$30,000	This project will reconnect the taonga shellfish toheroa back with the people. This will be achieved through outreach education in local schools and within the wider community of Ripiro Beach.
PROP-55316-UCMFLG-UOA	Nga kaitiaki o Ngati Kuri - our future scientists	University of Auckland	\$30,000	Ngataki students are the future of Ngati Kuri. Understanding their role as kaitiaki at an early age fosters connection to their environment and their wider whanau/iwi responsibilities.
PROP-55400-UCMFLG-UOC	Magma drillers save planet Earth	University of Canterbury	\$29,782	The project will inspire school students to study science and engineering by considering the societal benefits and costs of drilling into a volcano using a 3D interactive holographic game.

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PROP-55439-UCMFLG-HBRS	Science, Technology, Engineering and Maths – the way of the future for Horticulture	Hawke's Bay Branch of the Royal Society of New Zealand Incorporated	\$30,000	Year 10/11 students will participate in hands-on activities related to the application of STEM in the horticulture industry, and learn about the potential career opportunities in horticulture available to them.
PROP-55497-UCMFLG-PMVTP	Piece of Pi: Giving Girls the Confidence to do Maths	Pete Mitchell Investments Limited T/A Piece of Pi	\$30,000	To give girls the confidence to do maths by tackling maths anxiety using a combination of a growth mind-set approach to problem-solving, peer support and providing relevance to the subject.
PROP-55498-UCMFLG-MAU	Flying high to 'sea' below	Massey University	\$28,588	Flying high to 'sea' below is a STEM based initiative undertaken in the Far North that showcases how novel technologies can be used to efficiently monitor their natural marine environment.
PROP-55058-UCMFLG-ESR	Waiora, our water: A community approach to water quality	Institute of Environmental Science and Research Limited	\$30,000	"Waiora, our water" will use innovative, citizen-led water quality science techniques to promote the value and relevance of science literacy for the Mahia community, marae, hapu and Rongomaiwahine iwi.
PROP-55077-UCMFLG-NIW	Tamariki moana, children of the sea: marine science, mātauranga Māori and youth	National Institute of Water and Atmospheric Research Ltd	\$30,000	Using localised Mātauranga Māori, science and snorkelling, students will investigate marine ecosystems and taonga species by engaging in hands-on, in-water surveys, generating excitement and enthusiasm for science in Northland.
PROP-55232-UCMFLG-KAMET	Kia Hiki Te Mokopuna - Building Capacity	Kia Ata Mai Educational Trust	\$14,976	To build Māori student capacity in ICT through a series of workshops in collaboration with WINTEC. Students to build and complete projects after each workshop.
PROP-55520-UCMFLG-AIT	When do salps bloom? Students co-design for underwater citizen science	Auckland University of Technology	\$30,000	Students conduct data collection and analysis to co-produce a mobile-learning application that will allow future monitoring of salp populations in coastal marine ecosystems by citizen scientists.
PROP-55012-UCMFLG-UOC	The Big Experiment	University of Canterbury	\$27,540	The Big Experiment will use sport-science to enable students from years 6-8 to become scientific researchers, collecting, analysing and presenting their own data on 'how children change as they grow'.
PROP-55259-UCMFLG-MTSWT	Experiencing Marine Reserves: Te Kura Moana. Mātauranga Māori informing Kaitiakitanga of the future.	Mountains To Sea Wellington Trust	\$30,000	Creating marine-based learning environments; Te Kura Moana. This project encapsulates Te Ao Māori, bringing together oral histories, cultural mapping and Mātauranga Māori to explore and inform kaitiakitanga of our oceans

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PROP-55344-UCMFLG-GHSCH	Science Around Us	Gore High School	\$6,300	To provide opportunities for junior students to experience science in their local community. The intent is to improve engagement and awareness of science in our students.
PROP-55421-UCMFLG-ANCOR	Investigation: Inanga	Avon-Otakaro Network Incorporated	\$22,370	To collaboratively develop and deliver a pilot project to east Christchurch schools and Early Learning Centres focussing on environmental investigation of inanga spawning habitats and perpetuation of the species.