



Pūhoro STEM Academy in Partnership with High-Value Nutrition National Science Challenge

Tēnā koutou katoa,

Over the summer of 2020–2021, the Pūhoro STEM Academy with the support of the “High-Value Nutrition” (HVN) and “Our Land and Water” National Science Challenges, supported 47 work experience and STEM internships for Year 13 and tertiary students. The work experience and internships were a great success both for interns and for their host organisations. In preparation for the 2021–2022 summer period **we invite expressions of interest to host opportunities for our taura.**

Pūhoro is a complete STEM (science, technology, engineering and mathematics) pipeline for young Māori that supports engagement from secondary school through tertiary education and into employment. Pūhoro seeks to increase and improve Māori STEM engagement that will lead to improved diversity and mātauranga Māori expertise across the STEM landscape. The Institute of Environmental and Scientific Research commissioned a Cost Benefit Analysis on the benefits of the Pūhoro programme. It demonstrated that the potential economic benefits outweigh the economic costs by a factor of ten.

HVN has the mission to grow the science excellence and knowledge New Zealand needs to create and deliver foods to the world that people choose to stay healthy and well. We create scientific platforms that businesses may access to validate the health benefits of their food and beverage products. The partnerships formed between researchers and businesses lead to productive collaborations to support economic growth.

We are looking for a range of food, nutrition and health-related projects in the following areas: food science (including new product development), nutritional science (including the relationship between food and immune, metabolic, digestive, and infant health), mātauranga Māori, and consumer insights. As part of the internship, some interface with industry collaborators will deepen the experience for the students. Further details about these internships and work experiences are given below.

Internships

- These internships are directed at students who have just completed their first, second or third year of tertiary study
- 10 – 12 week duration (30 – 40 hours per week)
- Mid November 2021 to mid February 2022

Timing

15th November, Monday 2021 – Whakatau and Te Tiriti workshops
16th November, Tuesday 2021 – Mātauranga and Science Workshops
17th November, Wednesday 2021 – Official start of internships
10th February, Thursday 2022 – Official close of internships
11th February, Friday 2022 – Pō Whakanui

HIGH-VALUE
NUTRITION

Ko Ngā Kai
Whāi Painga

National
SCIENCE
Challenges



Work Experience

- Introduction to science with close mentoring.
- Directed at Year 13 students (high school) who have completed sciences through to NCEA Level 3.
- Four week duration (30 – 40 hours per week)
- Between Mid-November 2021 and February 2022
- Work experience or Hands-on projects (assistance with sampling / lab work / shadowing researchers) without the expectation of carrying out independent research.

Applications for the Pūhoro STEM Academy internships are due mid September 2021.

We would love to discuss this opportunity further with you. We wish to begin the internships on the Wednesday the 17th of November 2021 and have them conclude by the 10th of February 2022.

Please find on the next page some of the preliminary information that would help us suit a student to your project. Please contact Dr. Mahonri Owen if you would like any further information.

Ngā mihi,

Dr. Mahonri Owen

Ngāpuhi and Ngāti Tūwharetoa

Kaihautū Te Urunga Pae | Pūhoro STEM Academy

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Name and organisation	
Internship or Work experience?	
Please provide details on any specific project in mind and/or whether your research includes a Te Āo Maori component?	
Please include details of your organisations focus and an indication of what degree level courses align closely with your potential project.	
What types of activities might the Pūhoro intern undertake during their internship with you?	