

Tahi Rua Toru Tech (123Tech) is a national program that helps schools and kura introduce the Digital Technologies/Hangarau Matihiko curriculum. It was initially co-funded by the Ministry of Education and industry but has been solely funded by industry since 2022.

**The challenge brief is simple:** Students work in teams to identify a problem they care about in their school or community and create a technology-based solution to solve it.

By participating in the 123Tech Challenge, students acquire hands-on experience with Digital Technologies and develop problem-solving and critical thinking skills. The challenge also fosters creativity, collaboration, and innovation, which are essential for careers in the digital field - a path we aim to encourage students to pursue!

**1900+**

Teachers in kura across **all regions** of Aotearoa have signed up!

**16,000+**

Rangatahi have brainstormed, blogged, designed, pivoted, and invented **uniquedigital technology projects!**



**"The Challenge was a fantastic experience for the students, and something we hope to potentially continue to use as this curriculum is rolled out."**

- Megan Connolly, Teacher / Arahoe School Auckland

## **We want to change the face of digital technologies – *literally!***

We want to remove the stigma that the digital technologies workforce is a "boys club" and open our industry to those from more diverse backgrounds.

The challenge offers a supportive and inclusive learning environment, which can reduce barriers to entry for underrepresented groups in digital technologies. It also encourages diverse perspectives, fostering innovation and driving progress in the digital economy.

**80%**

of the 2022 national finalists were women

**The Challenge is fully translated into te reo Māori**

**"The resources are straight forward and easy to follow. I first decided to trial them with my junior class, and found that the resources were parallel to what I was already teaching, which made the planning and delivery of the lessons very easy."**

- Marisol Bite, Teacher / John Paul College Rotorua

## **The start of a digital technologies journey for students, a *walk in the park* for teachers.**

Our challenge comes with fully-translated resources such as process documentation, project plan, report templates, and information sheets for each step. With the help of our 123 tech team and industry mentors, teachers can easily integrate the challenge into their lesson plans.

**"Watching it work with our trial group was exciting, seeing it have an effect, it became something we were really proud of"**

Overall, the most exciting thing we have seen come out of the Tahi Rua Toru Tech Challenge is watching the student's "light bulb moments" where they see just how wide of a net Digital Technologies casts. to learn how their personal passions can fit in with the curriculum and potentially a future career within the industry.

Students are addressing topics that matter to them, such as climate change, environmentalism, inequality, and barriers to learning. Even after the challenge, some students continue their projects, partnering with organizations like The Department of Conservation.

In 2023 we hope to continue growing this passion for Digital Technologies within the future innovators of Aotearoa, and we'd love for you to be a part of it!

**For more information visit: [123tech.nz](https://123tech.nz)  
Or email the 123tech team: [kiaora@123tech](mailto:kiaora@123tech)**