

# I wonder how we can help our kids to soar?



**WHERE SCIENCE  
TECHNOLOGY  
ENGINEERING AND  
MATHS COME ALIVE.**



**The Wonder Project is Engineering New Zealand's free programme for schools designed to get young Kiwis excited about jobs in STEM: science, technology, engineering and maths.**

In New Zealand, we desperately need more people working in science, technology, engineering and maths. These jobs pay well, are secure – and you don't always have to go to university.

Engineering New Zealand pairs teachers with STEM professionals across New Zealand to build confidence in young Kiwis so they can achieve remarkable things at school, in their communities, and in their future careers.

From building rockets, designing innovative solutions to world problems, and exploring STEM career opportunities, the Wonder Project is sure to ignite wonder and excite students about the world of STEM. It includes a series of programmes that enhance the New Zealand school curriculum.



**Rocket Challenge**  
Year 5–6



**Plant Challenge**  
Year 7–8



**Power Challenge**  
Year 7–8



**STEM Careers**  
Year 7–13

# The Rocket Challenge

Over 6–8 weeks in Term 2, students work with their teacher and a STEM professional to design, build and launch their very own water rocket. The programme takes 1–2 hours per week and aligns to level 3 of the New Zealand school curriculum.

## What we offer schools

- Online learning hub with modules aligned to level 3 of the New Zealand school curriculum
- Online training for participating teachers on core STEM principles
- Support from a volunteering STEM professional for one hour a week
- Free rocket kit with launcher and safety gear
- Printable activity sheets for students
- Online community of teachers and ambassadors

## What your students will learn



Newton's laws of motion



Basic rocketry using STEM



How to work as a team



Engineering design process

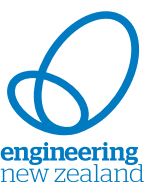
## Proven impact

Here's what participants said about the 2020 Rocket Challenge:

- 97% of teachers increased their confidence in teaching STEM
- 97% of teachers and 80% of students said they would do it again
- 54% of students were more interested in STEM jobs after the challenge
- 89% of teachers said it was the right level of challenge for students

**Te reo Māori student resources also available**

Become a wonder school today at [wonderproject.nz](https://wonderproject.nz)



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