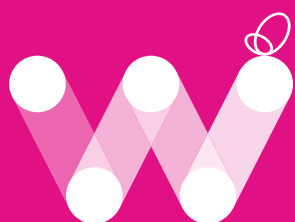


I wonder how we can help the next generation?



**Wonder
Project**

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

Be part of Wonder Week 5–9 August 2019

Wonder Week is part of Engineering New Zealand's Wonder Project, a free programme for schools designed to get young Kiwis excited about careers in STEM: science, technology, engineering and maths.

We aim to educate young New Zealanders about the boundless job opportunities in STEM, and erase any preconceptions that a career in these fields may be out of reach, especially those currently underrepresented (females, Maori and Pasifika peoples).



Welcome to Wonder Week!

Wonder Week is part of the STEM Careers offering for students in Year 11–13. Students are taken behind the scenes of some of our largest and most successful engineering firms, manufacturers, research centres, and tech companies to see a real-world glimpse of what it's like to work in STEM.



Rocket Challenge
Year 5–8



Community Challenge
Year 7–10



STEM Careers
Year 10–13



We want students in Year 11–13 (ages 15–18) to understand the incredible opportunities available to them in a STEM career. The best way to do this is by showing them examples of interesting STEM projects and doing activities with them that will get them thinking about what it means to be a structural or biomedical engineer, a web developer, a geoscientist or any one of the thousands of amazing jobs a STEM career might take you.

How it works

Organisations like yours host a group of senior students either in your office or on a project site. You can choose to host students for a half-day or the whole day. If that doesn't work for you, you can send some of your staff to a school to do a presentation or activity.

Our team will help you prepare for the day and match you with students from a local school. Students will be accompanied by at least one teacher.

If you're hosting a group of students you need to:

- Register your interest with us.
- Book a space in your office large enough to host a group of students and teachers.
- If you're doing an activity, make sure you have the space and supplies you need.
- Organise for 1 or 2 of your graduate engineers to give a presentation on why they love their job (and make them practise ahead of time!). If you need help with ideas, our team can give you tips.
- If you're doing a site visit, plan a tour of the facilities, or get an engineer to present their work.
- Organise parking for the school group, and transport if you're moving students between sites.
- Fill out the health and safety form and send it back to us.
- Print name labels for students and teachers.
- Organise catering (morning and afternoon tea, lunch) if you're hosting students for a full day, or let teachers know that students should bring a lunch.

If you're sending engineers to a school you need to:

- Tell us and the school, which day and time you can present.
- Make sure you have the supplies for your activity.
- Practise your presentation/activity ahead of time.



Sample half-day programme

9.55–10am	Student and teachers sign in
10–10.05am	Health and safety briefing
10.05–10.15am	What your business does in 'kid-speak'
10.15–10.30am	Young graduate gives visual presentation on their job and why they love STEM
10.30–10.40am	Morning tea
10.40–11.10am	Office tour – you may want to break students into groups and do rotating stations
11.10–11.25am	Young graduate gives visual presentation on their job and explain the career pathway
11.25–11.55am	Interactive exercises
11.55am – 12pm	Thank you and wrap-up

Sample full-day programme

9.55–10am	Student and teachers sign in
10–10.05am	Health and safety briefing
10.05–10.15am	What your business does in 'kid-speak'
10.15–10.30am	Engineering/technology/science basics
10.30–10.40am	Morning tea
10.40–11am	'A day in the life' – young graduates talk about their job and why they love STEM
11am – 12.30pm	Interactive exercises
12.30–1pm	Lunch (either provided or students bring their own)
1–2.25pm	Site visit
2.25–2.30pm	Thank you and wrap-up

Health and safety

Health and safety is part of your responsibility when hosting students. You'll have to coordinate with the appropriate person in your organisation to make sure the visit meets New Zealand's health and safety requirements. Please share this information with teachers from the participating school ahead of time and let them know if there are any dress requirements (ie closed-toe shoes).

Food and swag bags

If you're hosting students over the lunch period, you can either specify to teachers beforehand that they bring their own lunch, or you can cater for them. Just keep in mind that some schools have a no-nut policy, so organise nut-free snacks please. In the past, some companies have provided goodie bags (swag bags) to each student containing company-branded pens, pads, cups, hats, and key-rings. You're welcome to do that, but we don't expect you to!

Plan an awesome activity

Students in the Year 11–13 age group have a good understanding of science and mathematics, but they may not know much about your particular industry and the wide variety of career options available to them. Your job is to give them a glimpse of the real world and inspire them to consider a career in STEM. Try to build your activities with this in mind, showing them how to solve a typical industry problem – how would you think through the issue, what STEM principles would you use?

Get involved

Register your interest at wonderproject.nz/wonder-week

You'll need to tell us:

- Which days during 5–9 August your session will be
- What time your session will run
- How many students you can host
- What activity you'll be doing – send us your elevator pitch so we can get schools excited!
- How you'll meet health and safety requirements

Be part of Wonder Week. Register your interest at www.wonderproject.nz/wonder-week



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