

What is Futureintech?

- An initiative of IPENZ, funded by the government (NZTE) in partnership with industry.
- Promoting tertiary qualifications and careers in technology, engineering and science.
- Supporting curriculum learning.
- **Free** to schools
- Resources – brochures, posters, website and people



Ambassadors

- trained/qualified in technology, engineering or science.
- Have enthusiasm and passion.
- Able to communicate to young people.
- Want to share their pathways, tell their story and inspire students



What we hope to achieve:

- Fun
- Interest/Inspire
- Relevance
- Possibilities



How Does it Work?

- Young graduates (Ambassadors) volunteer to share their knowledge and enthusiasm.
- Teachers request a visit/s from an Ambassador from the local Futureintech Facilitator
- Facilitator recruits, prepares and matches up an Ambassador to the request.

Science Action Pack:

- a selection of curriculum-linked activities from all four Worlds.
- simple and easy to do
- does not require expensive equipment or ingredients



Extracting DNA



Surveyor/GIS Analyst



Photography



Bridge in a Bag

- A physical world unit for levels 3 & 4
- 3 bridges
- 19 activities
- Make simple models out of materials like paper, drinking straws, and wood.



Earth & Space Science




KiwiMars 2012

- <http://www.kiwispace.org.nz/display/MDRS/Classroom+Activities+and+Resources>
- New materials e.g insulation
- New technologies e.g microwaves, cellphones
- Mechanical engineering, robotics
- Geology – search for minerals/rocks that suggest the presence of water
- <http://www.kiwispace.org.nz/display/~mark.mackay/2012/03/07/Control+a+Mars+Rover+from+your+School%21>

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A career in technology, engineering and science

Hangarauāwhiri – He urunga i roto i te ao hangarau, te ao whiwhanga, te ao pūhiko

Electricity

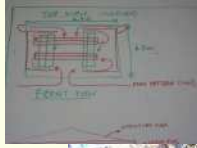



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Transpower Neighbourhood Engineers Awards



- 6 gifted and talented year 7 & 8 students
- a real problem – old & rusty bike stands with difficult access
- a real audience – students' need, caretaker's concerns, BOT

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- what activities develop fitness
- what parts of the body are affected by different activities
- how the body functions
- why exercise is good for people
- what do students want in a fitness trail
- best designs for these activities
- where to locate it

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Ideas

- Body systems
- What is lightning
- Olympics
- Seaweed – touch tank
- Mathsweek – games & puzzles
- Recycling & properties of metal
- Culture/community

• <http://www.futureintech.org.nz/what-we-do/>

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What do you need to do?

- Just ask
- With your support, we can tailor a visit to focus on what your students are learning.