

techtorium®

NEW ZEALAND INSTITUTE OF
INFORMATION TECHNOLOGY

2026

Tech Pathways

Creating IT professionals
through excellence in education

Te whakatipu kaimahi hangarau
ngaio mā te huarahi ako hiranga



What is Tech Pathways?

Our Tech Pathways Programme is delivered on Wednesdays during the school term. This is an opportunity to gain further IT skills and knowledge on a weekly basis at Techorium. The students can advance and/or start on their IT journey with us on this programme where they can get familiar with our environment and engage with our staff and full-time students.

Technology in the New Zealand curriculum has three strands:

1. Technological Practice

How and why we use technology.

2. Technological Knowledge

Using technology to create solutions.

3. Nature of Technology

How and where technology is used to connect us in our world.

Students will learn how to:

- **Think critically:** Analyse, interpret and synthesise information to reason and solve problems effectively.
- **Investigate:** Conduct research and develop strong interrogative questioning techniques.
- **Innovate:** Apply creative thinking, curiosity, and imagination to foster personal expression and innovation.
- **Self-manage:** Demonstrate perseverance, self-discipline and adaptability while planning and directing their own work.
- **Communicate:** Master oral and written communication, including public speaking, active listening and presenting.
- **Collaborate:** Exhibit leadership and teamwork within both physical and virtual workspaces.
- **Navigate technology:** Apply Information and Communication Technology (ICT) and media literacy in professional contexts.

Tech Pathways - IT Essentials

Wednesday, IT Essentials, 9am-3pm. - Total Credits 38

***For Years 12 & 13**

Strands covered in IT Essentials:

Technological Knowledge – Using technology to create solutions.

Nature of Technology – How and where technology is used to connect us in our world.

The opportunities of working as Computer Support, Cloud, Network and Server Engineers are growing world wide. Our way of communicating and collaborating both at work and at home has moved our technological requirements from a 'nice to have' to a

'must have'. These Computer Engineering roles have grown as a result, making it a solid and exciting industry to be in.

Student Profile

This pathway is for students who are more interested in understanding how computers, networks and the cloud work. Providing practical exercises, scenarios and 'in class' project work. These students may have expressed an interest in becoming Network Engineers or PC Support Technicians. This provides for the hands-on aspiring tech students who want to be on the move.

Term	Total Weeks	Us	Duration	1st Intake	2nd Intake	Resit Day/ Fun Day	Title	Versions	Level	Credits	Total Credits
1	7 Weeks	29788	3 Weeks	11 Feb - 25 Feb	4 Mar - 18 Mar	25 Mar	Develop, test, and evaluate an interactive website for organisational use.	V2	3	5	8
		5968	3 Weeks				Discuss the social implications of Information Technology	V9	3	3	
2	9 Weeks	32943	8 Weeks	22 Apr - 10 Jun		17 Jun	Apply IT technical knowledge and professional practice to provide support of a computer's hardware, software and Network	V1	4	15	15
3	9 Weeks	29805	4 Weeks	22 July - 12 Aug	19 Aug - 9 Sep	16 Sep	Design and create an integrated digital solution to meet the requirements of a specified brief.	V2	4	5	10
		29782	4 Weeks				Demonstrate knowledge of computing hardware, software, and terminology to select digital tools for specified purpose.	V2	2	5	
4	4 Weeks Choose one of the following Unit Stds for Term 4: 29793 or 32941	29793	3 Weeks	14 Oct - 28 Oct		4 Nov	Investigate, plan, design and create digital outcome solutions to meet the requirements of a specified brief	V2	3	5	5
		32941	3 Weeks		Demonstrate and apply knowledge of the principles of computer networks		V1	3	5		



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Techtorium New Zealand Institute of Technology
182 Broadway, Newmarket, Auckland NZ 1023

Email: pathways@techtorium.ac.nz

Phone: +64 9 529 7523 or 0800 529 7523

Website: www.techtorium.ac.nz

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