



Te Rangapikikōtuku EMPOWER Festival!

7 - 8 SEPT

WORKSHOPS - ESPORTS - ROBOTICS

NMIT & THE SUTER



SATURDAY 7 SEPT WORKSHOPS

Title	Presenter	9.30am to 11am	11.30am to 1pm	1.30pm - 3pm	# 's
Pygame Coding (2.5 hours)	Jessica Cathro, Ministry of Inspiration	9.30am - 12pm			15
Scratch Game Coding (2.5 hours)	Jessica Cathro, Ministry of Inspiration			12.30pm - 3pm	15
Sound Design & Music Production for Gaming (1.5 hours)	Wendy Phua				10
Digital Mini Golf (2 hours)	Sarah Kerkhofs, West Rolleston School	9.30am - 11.30am		12.30pm - 2.30pm	20
Hydrogen Cells (1.5 hours)	Dr David Warren, University of Otago				20
BEAM Robots (2.5 hours)	Dr Mike Paulin, University of Otago	9.30am - 12pm			20
BEAM Robots (2.5 hours)	Dr Mike Paulin, University of Otago			12.30pm - 3pm	20
PC Building Workshop (2 hours)	Riley & Sam, PB Tech	9.30am - 11.30am		12.30pm - 2.30pm	10
Unlock Your Future (45 mins)	Leigh Gray, Ministry of Education				20
Electricity in the body (45 mins)	Heart Otago				20
Exploring AI in Art and Design (1.5 hours)	Liam Goodger, Nelson AI Sandbox				20
Robot Rampage - Fighting (1.5 hours)	Robot Rampage				36
Modern UX Design (1.5hours)	Shuttlerock				20
Introduction to 2D Animation (2.5hours)	Andrew Kunzel, Massey University	9.30am - 12pm			20
Introduction 3D Animation (2.5hours)	Andrew Kunzel, Massey University			12.30pm - 3pm	20
Flying robots (Air) (1.5 hours)	Nathalie Campbell, SmartBots				20
Robotics Workshop (1.5 hours)	KIWIBOTS & Ōtautahi Library Learning Team				20
Being an AI Entrepreneur	Chris Rodley, Snap IT				16

SATURDAY 7 SEPT EVENING ROCKET LEAGUE

Title	Presenter	6pm - 9pm	# 's
Rocket League - Esports	PB Tech	In the build up to Sundays Valorant Tournament, come and have a go at Rocket League! 15 min games, register your interest and drop-in between 6pm - 9pm. Plus Pizza! Ages 13+. Location: Card Merchant Trading, 129 Hardy St, Nelson	50



SUNDAY 8 SEPT

VALORANT TOURNAMENT - THE SUTER

Title	Presenter	9am - 5.30pm	# 's
Valorant E-Sports Tournament	PB Tech	Valorant Tournament hosted locally and professionally casted. Experience being in an esports LAN. Looking for teams between Gold - Diamond, but open to everyone. Must be 16+ to compete, spectators 13+ welcome.	8x Teams
		Location: The Suter Gallery, Bridge St, Nelson	

ROBOCUP Jr & ROBOT RAMPAGE - NMIT

Title	Presenter	9am - 3pm	# 's
Build & Fight	Robot Rampage	<p>This hands-on experience is designed for anyone with a passion for innovation and a desire to learn. Participants will not only construct their own combat robots but also engage in exciting battles to test their creations.</p> <p>Our "Build and Fight" event combines education with entertainment, providing a unique opportunity for participants to learn about the mechanics, electronics, and programming behind robot building. Through this immersive experience, attendees will gain valuable skills in problem-solving, teamwork, and technical design.</p> <p>Outcomes:</p> <ul style="list-style-type: none"> • Youth will learn about engineering principles and apply them to a real life robot • Youth will learn how to design and build a robot of their own imagination • Youth will learn how to work in a team • Youth will learn how to repair and problem solve under high stress conditions <p>Equipment: All provided by Robot Rampage.</p>	40
ROBOCUP Jr	Smartbots		