

The MOI Effect

MOI doesn't just teach STEAMS—we ignite it. STEAMS School's one-day-a-week programme is immersive, hands-on, and future-focused, empowering tamariki and rangatahi to think like engineers, experiment like scientists, and create like innovators. Through real-world challenges, cutting-edge technology, and a spiral learning model that grows with the learner, students build confidence, resilience, and curiosity. They don't just learn *about* technology—they use it, question it, break it, fix it, and reimagine what's possible.

The typical STEAMS School day is broken up into three sessions: **Ignite, Explore, Create**

**Variations occur in STEAMS specialized and STEAMS Sr.*

Session 1: Ignite – Guided Discovery

This session sparks curiosity and sets the stage. Learning is driven through conversation, shared thinking, and guided discovery. The teacher introduces key ideas and opens up pathways for deeper exploration. This is where core concepts are unpacked, questioned, and brought to life.

Example—Term 1 Theme: *Flight*

Big Question: *How is LIFT achieved?*

Key Concepts: Bernoulli's Principle, gravity vs lift, high and low pressure, balanced and unbalanced forces.

Students actively engage with the teacher through demonstrations, discussion, and digital explorations as the learning is deliberately steered toward big ideas and real-world connections.

Session 2: Explore – Hands-on Experimentation

Now it's time to test the theory. In this session, tamariki dive into practical, hands-on investigations that bring the learning to life. Through experimentation, observation, and play, students experience the science in action.

Example:

A Bernoulli Exploration Lab where multiple interactive stations are set up around the room. Students rotate through activities that let them *see, feel, and experiment with* air pressure and lift—discovering firsthand how invisible forces create flight.

This is messy, exciting, curiosity-driven learning at its best.

Session 3: Create – Deeper Exploration & MOI Thread Learning

This session is all about taking learning further. Students apply their new understanding through creative projects, engineering challenges, and open-ended exploration.

Examples:

- Designing and making Bernoulli masks to take home
- Engineering a Bernoulli blower
- Extending ideas into real-world problem solving

Alongside this, **MOI Thread Learning** weaves through the session. MOI spirals learning in **coding, electronics, and technology** every term—allowing new ākonga to jump in confidently while experienced learners continue to level up.

Students repeatedly revisit and build on these skills in increasingly independent and creative ways, developing confidence, competence, and innovation.

Thread learning may include:

- Designing and building circuits using a range of materials
- Unplugged coding and computational thinking
- Programming Ozobots and Edisons
- Soldering, Tinkercad design, 3D printing, and laser cutting
- Critical thinking and problem-solving challenges

This is where curiosity turns into capability—and learners begin to see themselves as engineers, coders, makers, and innovators.

STEAMS School is recommended for tamariki who:

- Have an enquiring mind and a thirst for knowledge-*they are curious*
- Are willing to sustain concentration and effort-*they are in-depth learners*
- Will actively contribute to a positive learning environment-*they share knowledge*

When does it meet, and where?

Location	Nelson	Richmond	Blenheim
Classes			
Little (5-6)	Wed		Thurs
JR (7-9)	Tues/Fri	Thurs	Thurs
SR (10-13)	Tues/Fri	Thurs	Thurs
Specialized (8-15)	Wed		

Classes run from 9-245, with little STEAMerS from 9-1145.

NELSON: Victory Village at the back of Victory School

RICHMOND: 27 Dorset Street, Richmond 7020, at Holy Trinity Church

BLenheim: Waterlea Racecourse

To register for Term 4 NELSON/RICHMOND 2026, please go here:

<https://events.humanitix.com/steams-school-nelson-term-4-2026>

To register for Term 4 BLENHEIM 2026, please go here:

<https://events.humanitix.com/steams-school-blenheim-term-4-2026>

How much does it cost?

Fees are charged per term. The cost is \$73 per day (incl. GST), or \$30 per day (incl. GST) for Little STEAMerS. A limited number of partial scholarships are available and reviewed each term.

Students begin with a three-week paid trial (attended consecutively). If it's a good fit for both whānau and teacher, enrolment continues for the remainder of the term.

Will my child's school mind if they miss a day each week?

You'll need to let your child's school know they'll be attending STEAMS School one day per week. So far, this hasn't been an issue—many schools across the region actively support student participation in the programme.