

Robotics Engineering Fundamentals

Students design, build and test mechanical systems on the VEX GO platform. Over four days they apply forces, gears and motors to their own builds and practise problem solving.

DATES

**Monday 14 to Thursday
17 December**

TIMES

2.5 hours a day

AGES

7 to 8 years

SEATS

8 seats, book by 30 Nov

Schedule

MONDAY

Robot chassis

Build a wheeled chassis and test how weight, wheels and friction change the way it moves.

TUESDAY

Mechanisms

Build levers, gears and linkages, then compare them with motorised versions.

WEDNESDAY

Motors and drive

Set up motors and drivetrains, using paired forces to control motion.

THURSDAY

Design challenge

Design, prototype and improve a motorised mechanism for a set task.

What's included

- ✓ 10 hours of coaching
- ✓ One coach for every five students
- ✓ Engineering, problem-solving and core robotics skills
- ✓ A personalised report written by your child's coach
- ✓ An engineering notebook documenting their work each day

Rp 6.000.000

for four days, 2.5 hours a day. A 50% deposit holds a seat, with a full refund if you cancel 14 or more days before the camp.



BOOK ON WHATSAPP

+62 811 8000 2110

Scan to message us about this camp.



Thomas Abbott

Runs robotics at a large Australian independent school. 15 teams taken to VEX Worlds.



Jeslyn Tan

Coordinates robotics at three Australian schools. Represented Australia at ISEF.

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