# Robotics with Python and AI

Students build a VEX GO robot, then write Python to control it. They move from functions and loops to conditions and sensor input, and finish by using AI to interpret what the robot's sensors read.

DATES
**Monday 28 to Thursday 31 December**

TIMES
**2.5 hours a day**

AGES
**8 to 10 years**

SEATS
**8 seats, book by 14 Dec**

## Schedule

MONDAY
### Build the robot
Assemble a base robot and learn how its motors, sensors and controller work together.

TUESDAY
### First Python programs
Write first Python commands, using functions and parameters to program set routes.

WEDNESDAY
### Loops and conditions
Use for and while loops with if and else so the robot repeats tasks and makes decisions.

THURSDAY
### Sensor feedback
Read sensor data in Python and interpret it with AI so the robot adapts to its surroundings.

## What's included

- 10 hours of coaching
- One coach for every five students
- Python on VEX GO robots
- A personalized 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 and has taken 15 teams to the VEX World Championships.



**Jeslyn Tan**
Coordinates robotics at three Australian schools and represented Australia at ISEF.

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