

# Thymio Robots

## Autonomous Vehicles Level 1

### Duration

#### AM Session

9:30 – 11:30am

#### PM Session

12:00 – 2:00pm

*Session timings may be adjusted slightly to suit school calendars between the hours of 9:30 – 2:30.*

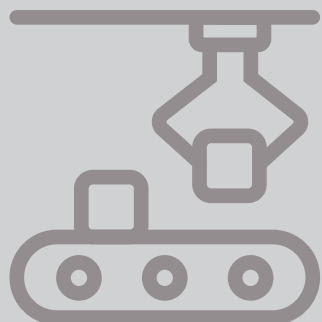
### Curriculum Level

This program is suitable for students from level 7 to level 12.

### Class Size

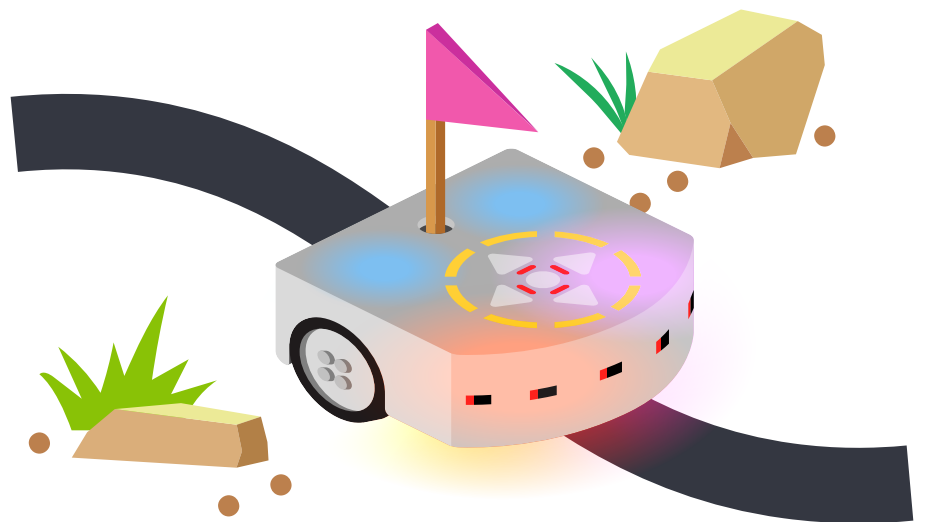
1 Class: 28 students

2 Classes: 52 students



Students learn the basics of coding using icon and scratch based coding. They then code a self-moving car while keeping weight and balance in mind.

- GUI Programming
- Autonomous Configuration
- Sensor Configuration
- Career Pathways



### Autonomous Vehicles

#### Level 1 Thymio Robots

Programming Thymios to self navigate.

#### Level 2A Tello

Coding the drone to fly an obstacle course.  
Coding the RoboMaster to navigate around obstacles and recognize images.

#### Level 2B RoboMaster

#### Level 3 Smart City

Using different technologies to create a smart city.