# Tello

## Autonomous Vehicles Level 2

### Duration

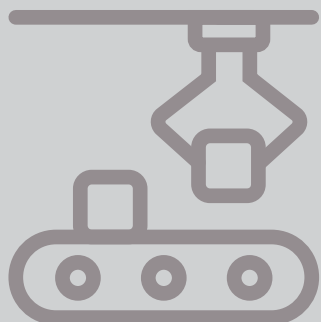**AM Session**
9:30 – 11:30am

**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

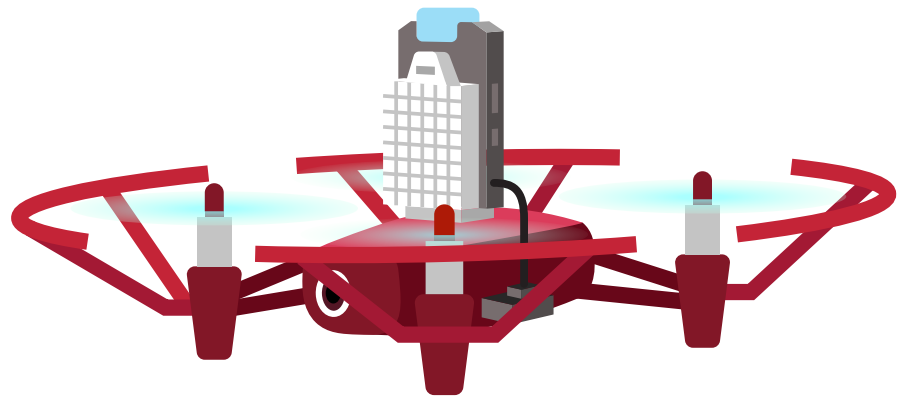This program is suitable for students from level 9 to level 12.

### Class Size

1 Class: 28 students

Students will use blockly to program the Tello drone to navigate a path using precise measurements in the coding. Once successful they will then be challenged to make the drone autonomous by allowing the drones to use patterns to navigate or land.

- Block Coding
- Drone Configuration
- Precision Measuring & Testing
- 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. |