Smart Warehouse

Robotics & Coding Level 3

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.
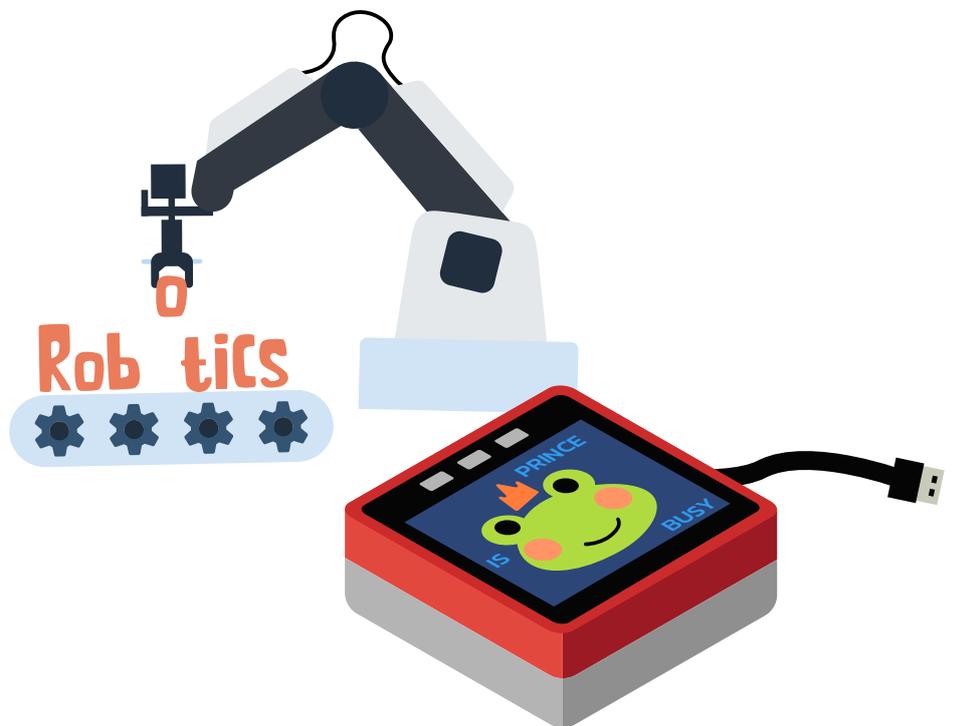
Curriculum Level

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

Class Size

1 Class: 28 students

Students will program the Dobot robot arm to sort items according to colour. Once successful, they will try and combine the Dobot arm with the thymio robots to create a smart warehouse system.

Robotics & Coding	
Level 1 **Robo Puppy**	Use the puppy / humanoid robot and code it to do a 60 Sec routine.
Level 2A **Thymio Robots**	Use Block Coding to program the Thymio / Robomaster / Tello to follow lines and avoid obstacles.
Level 2B **RoboMaster**	
Level 2C **Tello**	
Level 3 **Smart Warehouse**	Use a Robotic arm and program it to sort through different items and combine it with Thymio to act out a warehouse scenario. *Releasing Term 3.*