

## STEM Applied Learning Programme

### Lesson Outline

<b>STEM Theme</b>	Robotics
<b>Module</b>	3 (Annikken Andee Bluetooth Robotic Car)
<b>Total Hours</b>	22.5

No.	Topic
1	Advance Arduino/ Creating Your First Display Boxes
2	Advance Arduino/ Displaying Raw Analog Input Information
3	Advance Arduino/ Displaying TMP36 Temperature Sensor Reading
4	Advance Arduino/ Using Buttons to control LED or Relays
5	Advance Arduino/ Using Buttons to control Buzzer
6	Advance Arduino/ Using Buttons to control RGB LEDs
7	Advance Arduino/ Using Buttons to control Servos )
8	Advance Arduino/ Creating Slider Inputs and Outputs
9	Advance Arduino/ Using Sliders to Control Servos
10	Advance Arduino/ Using the Text Input Button to Control LCD Display
11	Advance Arduino/How to Get Your Smartphone (iOS) to Talk
12	Project – Robotic Car 1
13	Project – Robotic Car 2
14	Project – Robotic Car 3
15	Project – Robotic Car 4