

STEM Applied Learning Programme

Lesson Outline

STEM Theme	eHealth Sensors
Module	2 (eHealth Sensors: Advance)
Total Hours	16 h 20 min

No.	Topic
1	Heart Structure & Function [Part 1]
2	Heart Structure & Function [Part 2]
3	Engineering of Heart Valves
4	Basic Electronics
5	Systems Thinking
6	Introduction to Embedded Systems [Part 1]
7	Introduction to Embedded Systems [Part 2]
8	Input & Output [Part 1]: Buzzer Alarm & LED
9	Input & Output [Part 2]: Digital Thermometer & Piezo buzzer
10	Analog Input: Automatic Light
11	Sensors & Actuators: Conductivity Sensor
12	Liquid Crystal Display (LCD) panel
13	Heart Beat Sensor
14	Syllabus Recap

