

## **Prize Winner**

## Programming, Apps & Robotics Year 3-4

**Harry Liu** 

**Immanuel Primary School** 









## Temperature sensor

I understand that many activities require monitoring temperature such as growing plants and providing human comfortable living environment. Therefore, I have created a temperature sensor to help with monitoring temperature.

The program is coded through the Arduino. There is a temperature sensor detecting temperature and I have set up two outputs to check the temperature.

There are three colour lights including red, green and blue. Each colour indicates different temperatures. Blue means cold, green means average and red means hot. In addition, I have also used the seven-segment number display to monitor the temperature in a more accurate way. It has nine numbers altogether. The number ranged from 0 to 2 means cold, from 3 to 5 means average and from 6 to 9 means hot.

My special thanks go to Don Eickhoff (Techspace Learning teacher), Tom Jenkinson (Science and Technology Leader) and My Family who have played a significant role in my journey.

https://youtu.be/YFC9eiU5pQk

**Harry Liu** 

Immanuel primary school (Year 3)

