

The Education University of Hong Kong 2021-2022 Quality Education Fund Thematic Network — Tertiary Institutes STEM Project Team

SCHOOL: CHRISTIAN AND MISSIONARY ALLIANCE SUN

KEI SECONDARY SCHOOL (S4)

TOPIC: REFLECTIVE COLOUR SENSING WITH RGB

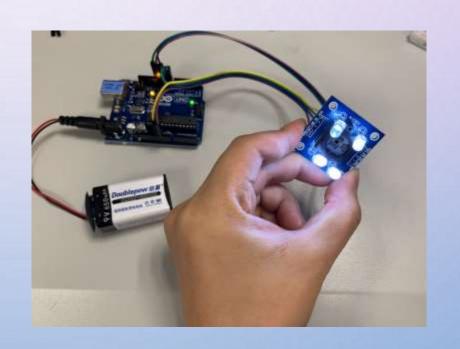
COLOUR SENSOR





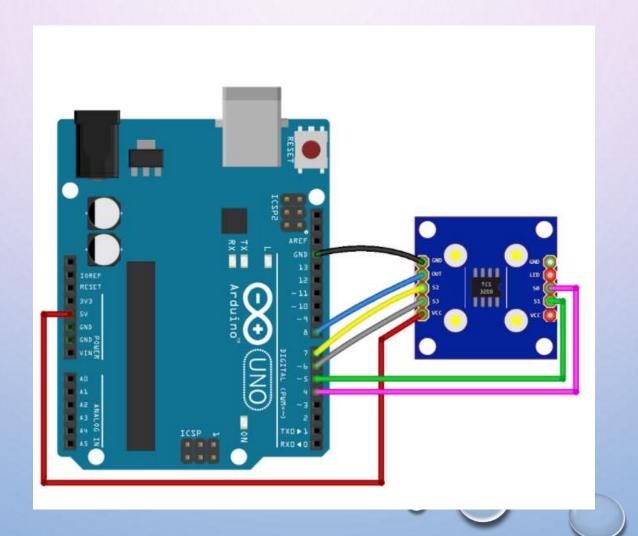
2 COLOR SENSOR – TCS230







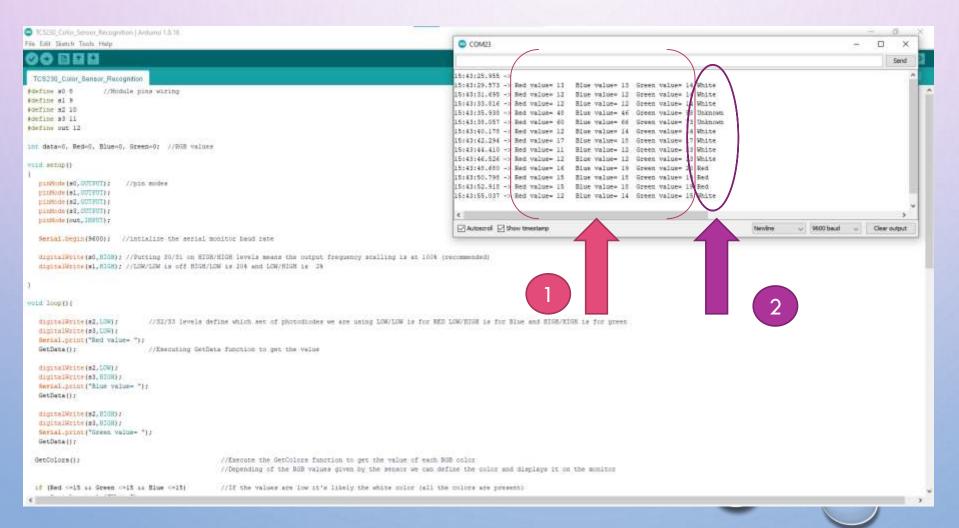
CIRCUIT



和學校開稿等系 Department of Science and Environmental Studies



COLOR SENSOR RECOGNITION

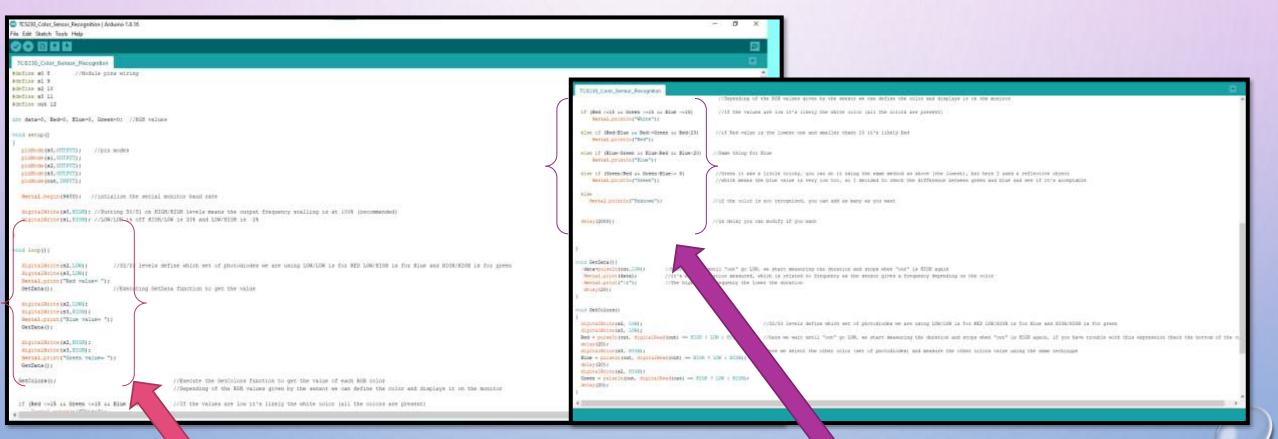




科學與環境學



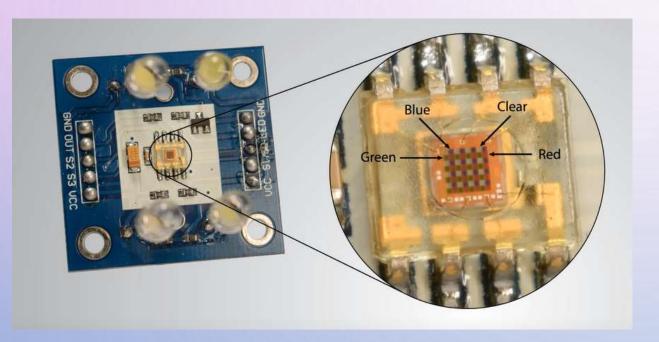
CODE







NOTES





科學院環境學 Department of



SCIENCE INVESTIGATION/ ENGINEERING DESIGN CYCLE









REFERENCE: MATERIAL LIST(HKD)

Spectroscopy Sensor SEN-15050 SparkFun Triad Spectroscopy Sensor - AS7265x - \sim \$510





Color Sensor TCS230 - \$52 RGB LED - ~\$2

Temperature sensor DS18B20 - \$9

Turbidity
SEN1089 - \$84.71
Pasco PS-2002 Graphing Logger + Pasco Pasport Ps-2122 Turbidimeter - >\$5000

