Sharing of STEM Activities for Students

學生STEM活動分享
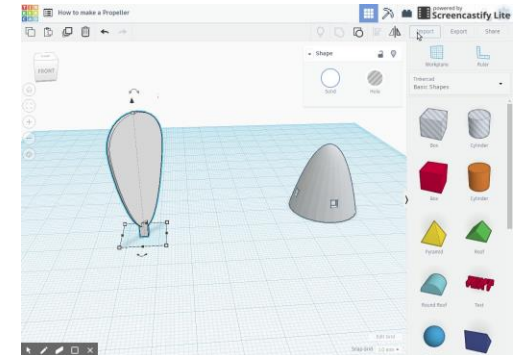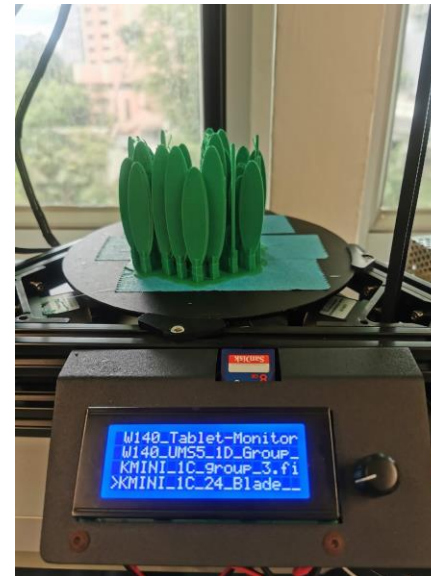
RAIMONDI COLLEGE 高主教書院

STEM Activities - Curriculum

▶ Computer Literacy

  ▶ Tinkercad (S.1) – 3D Printing

  ▶ Mbot ➜ Micro:bit (S.1 –S.2)

  ▶ CoSpace (S.2)

  ▶ AppInventor (S.3)

STEM Activities – Cross- Curriculum Project

► ## Wind Turbine

  ► Investigate factors affecting a Wind Turbine

  ► Design fair test to study one of the factors affecting a Wind Turbine

  ► Design a number of wind turbines with variation on the single factors for conducting the experiment

  ► Design with Tinkercad and print out by 3D printers

STEM Activitics - ECA

LEGO EV3 (since 2014)-> LEGO Spike

3D Printing (since 2016)

Drone Programming – TELLO (since 2018)

mBot – maker class (since 2017)

Robomaster tournament

- 機甲大師（RoboMaster）是由大疆創新（DJI）的創始人汪滔發起並承辦[1]、由共青團中央、全國學聯、深圳市人民政府聯合主辦的年度機械人競技賽事，為全國大學生機械人大賽旗下的四大賽事之一

- 2015年誕生

- 機甲大師青少年挑戰賽（RoboMaster Youth Tournament）是2020年機甲大師賽辦賽五年後在2020年新推出的賽事，着重培養中小學青少年的工程理論知識與人工智能實踐能力，幫助青少年完成從機械人基礎、程序設計到人工智能、機械人控制原理的知識進階，並通過競賽的形式考查臨場反應能力、發現問題和解決問題的能力，同時充分考驗團隊協作能力與責任感。

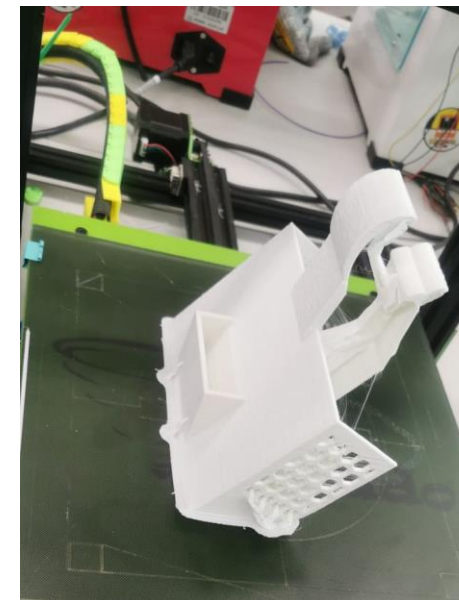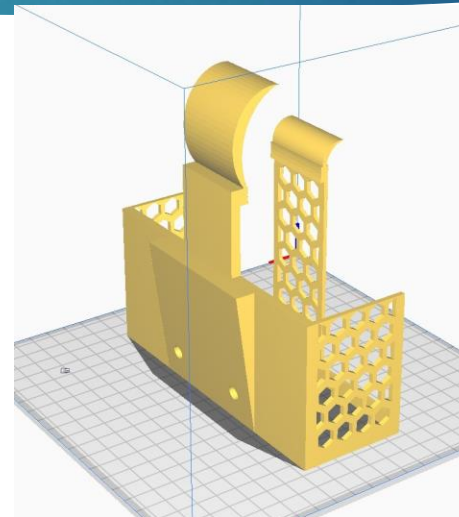(From Wikipedia)

Robomaster Youth Tournament

More Equipment
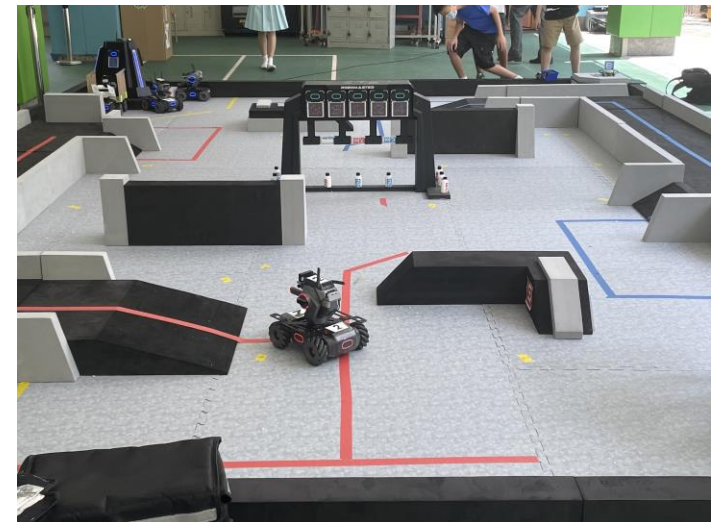
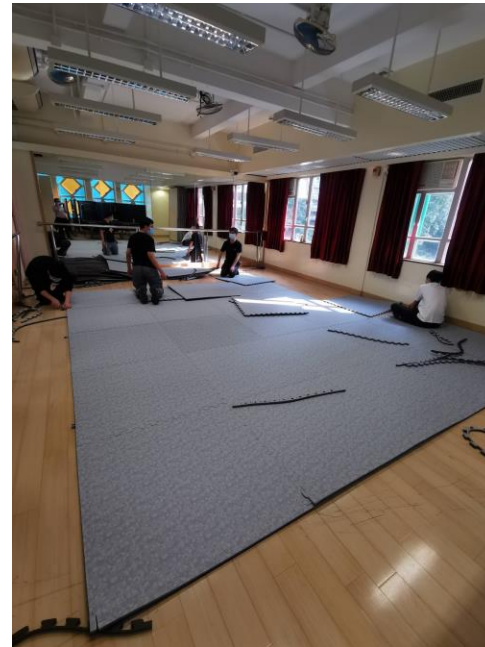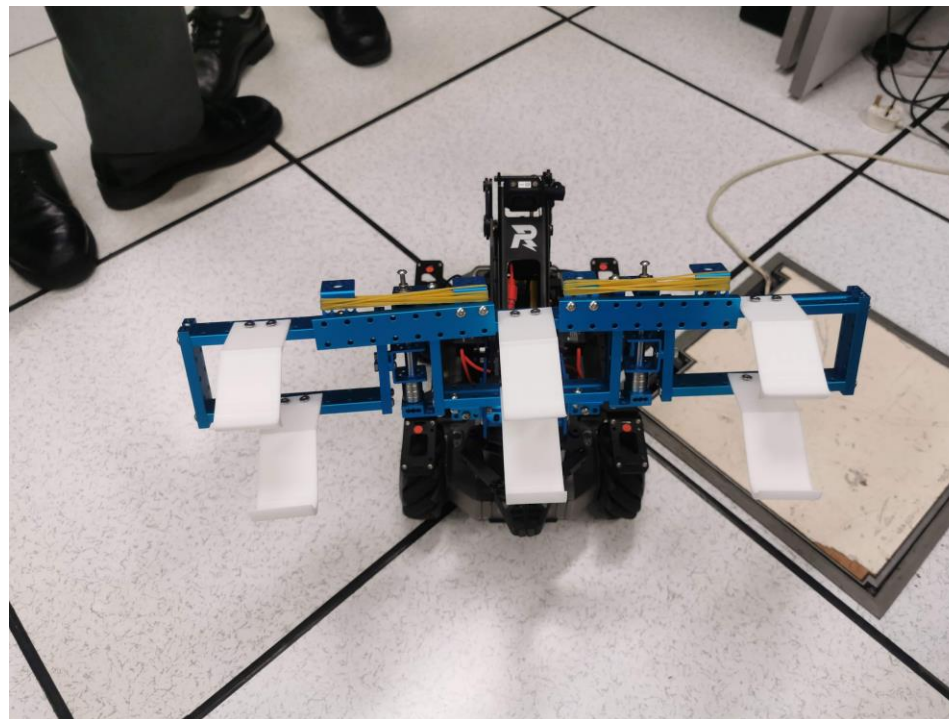# Bags for Carrying Robomasters

Rent the Arena

3D Print Mods

Practice at school covered playground

OGCIO Grant Approved

The Cerberus

The Best Teamfight Tactics

Joint Program with Primary Section

S1 Info Day

Equipment supported by OGCIO

- An 8-port Wifi-6 Router
- 7 Notebook Computers
- The Arena
- 4 Additional Robomasters
- Bottles of Ammo