STEM Magazine 2022-2023

STEM for Humanity

STEM for Humanity

One of our main themes in STEM education is to advocate the idea of STEM for humanity. The purpose of STEM is ultimately the betterment of mankind. Let’s take a look at the amazing achievements in 2022-2023!

P.6 STEM Lessons - Aerospace

QEF PROJECT

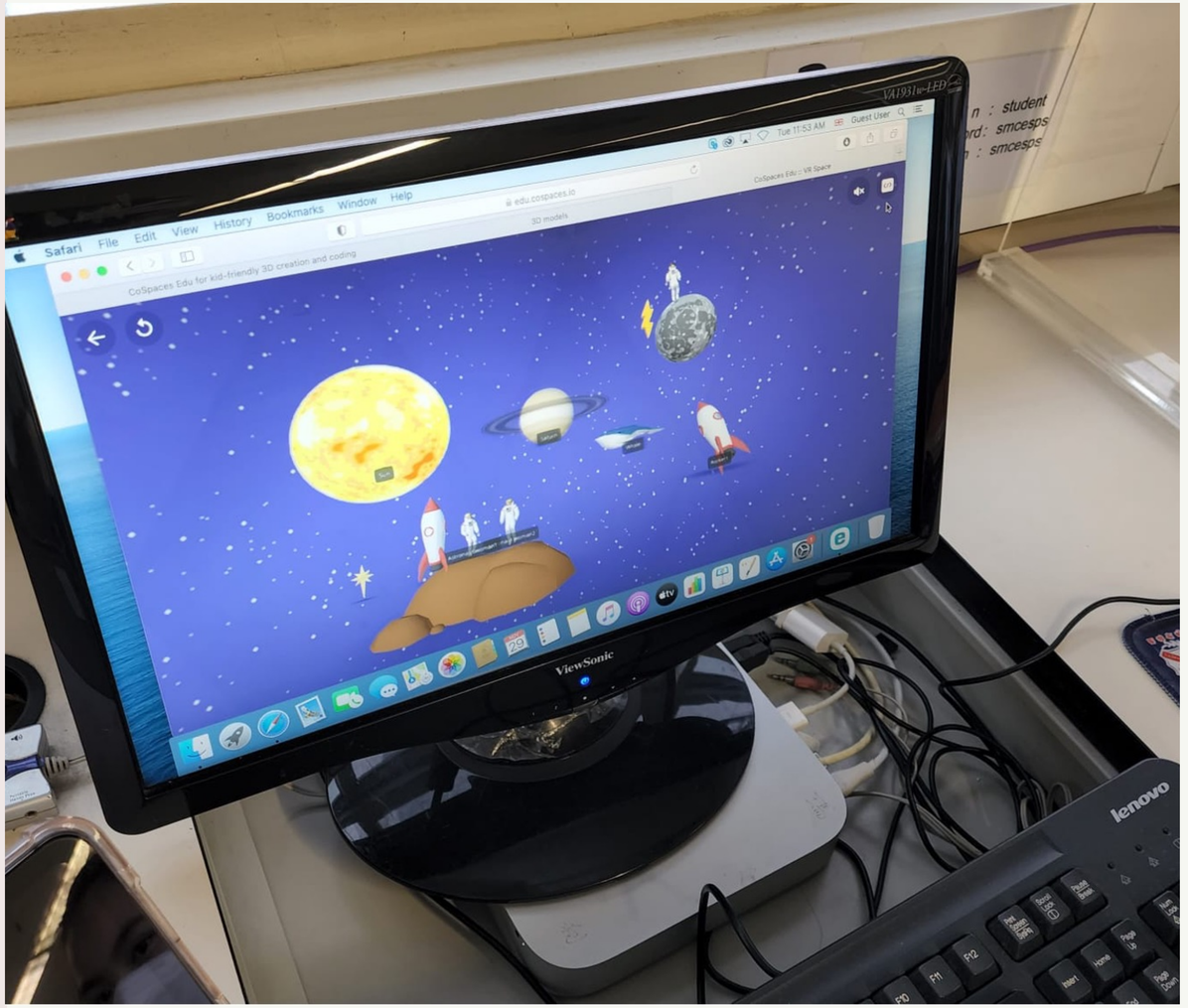
- Our P.6 students went on an outer space journey through designing their own VR space scenes. Look at their amazing work!



P.6 STEM Lessons - Aerospace

QEF PROJECT

- The theme of the project was to design a VR scene to solve problems related to living in outer space.



P.5 STEM Lessons - Morse Code Watch

QEF PROJECT

- Our P.5 students constructed many amazing electronic inventions. Have you ever imagined making a watch that allows you to send secret messages?



P.5 STEM Lessons - Fashion Design

QEF PROJECT

- And imagine being able to add a programmable light ribbon onto your school uniform!



S.3 Entrepreneurship and Innovation

E & I Project

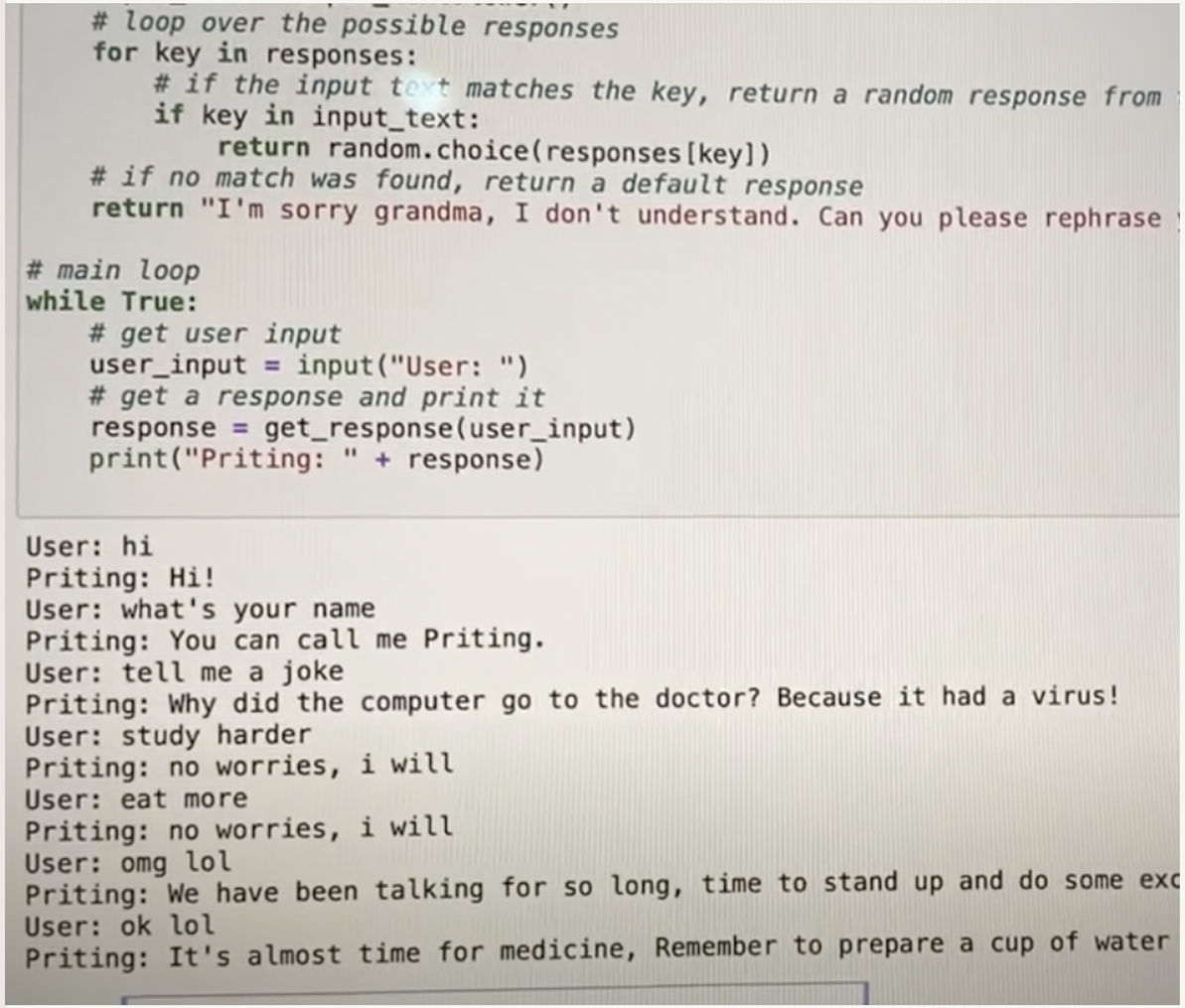
- Have you ever thought about bringing positive influence into the world with your knowledge and skills in STEM? Our S.3 students went on the endeavor of creating innovative solutions to meet the meeds of other people with their talents and interests in STEM. They had the opportunity to pitch their ideas to an audience too!



S.3 Entrepreneurship and Innovation

E & I Project

- Look at this amazing piece of work! An A.I. that cares for the elderly by reminding them to take medication, giving health tips, and even telling jokes!



```
    # loop over the possible responses
    for key in responses:
        # if the input text matches the key, return a random response from
        if key in input_text:
            return random.choice(responses[key])
    # if no match was found, return a default response
    return "I'm sorry grandma, I don't understand. Can you please rephrase

# main loop
while True:
    # get user input
    user_input = input("User: ")
    # get a response and print it
    response = get_response(user_input)
    print("Priting: " + response)
```

```
User: hi
Priting: Hi!
User: what's your name
Priting: You can call me Priting.
User: tell me a joke
Priting: Why did the computer go to the doctor? Because it had a virus!
User: study harder
Priting: no worries, i will
User: eat more
Priting: no worries, i will
User: omg lol
Priting: We have been talking for so long, time to stand up and do some exc
User: ok lol
Priting: It's almost time for medicine, Remember to prepare a cup of water
```

Global citizenship

To follow through with the theme of global citizenship, our students went through a series of different learning experiences to learn about the development of STEM in other countries and regions of the world. They also participated in many international competitions with amazing results!

Visiting the Science Park

How do you make a light bulb float in air?



Visiting the Science Park

Make a with on the wishing ball!




Charles Darwin
Sir Charles K. Kao
Rosalind Wong
Sonnet Time
Charles Darwin

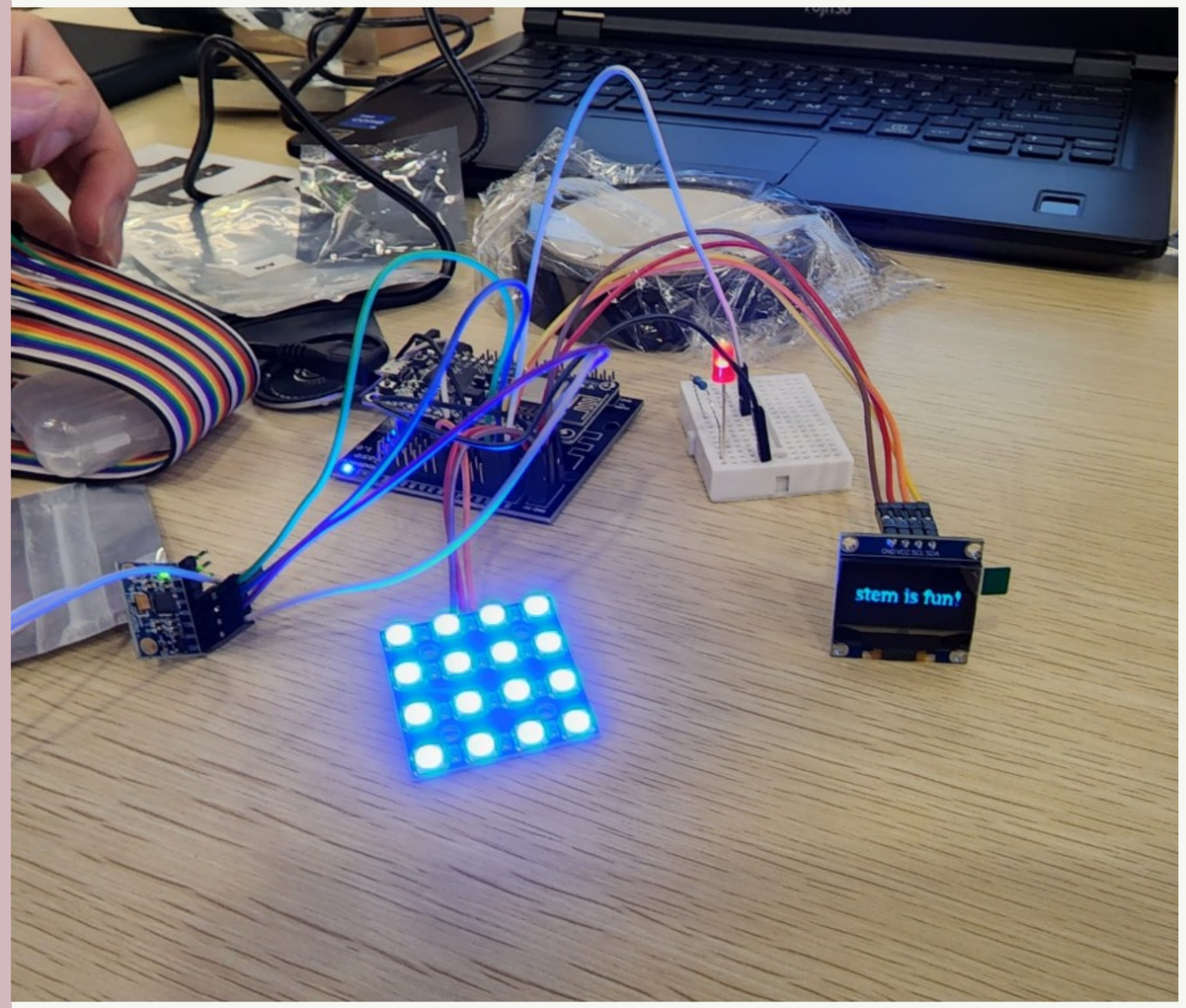
Beijing Sister School Virtual Exchange

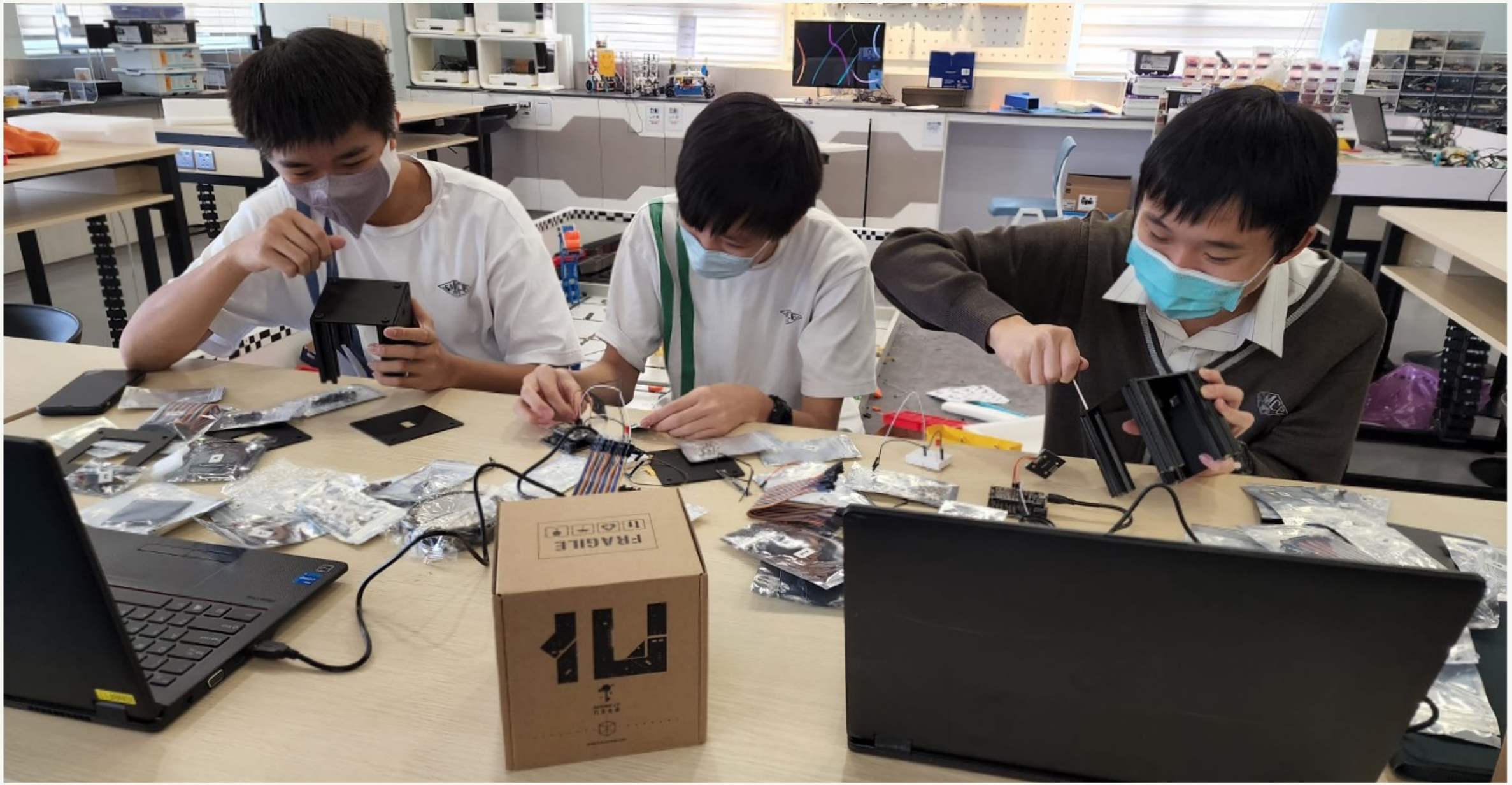
It’s always nice to share!



China Space Exploration Program

Let’s Build a Satellite together!




FRAGILE


FRAGILE
FRAGILE

VEX IQ Competitions - Design Award

We got Design Award, one of the Top Three, in the Korea National Championship!



We were even qualified to represent Hong Kong in the US World Match!

Odyssey of the Mind Competition - Second Runner-up

Division 1 Problem 2




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青年會書院
Chinese YMCA College
Odyssey of the Mind Hong Kong Regional Tournament
創意思維世界賽香港區賽


青年會書院
Chinese YMCA College
Odyssey of the Mind Hong Kong Regional Tournament 2023
創意思維世界賽香港區賽
ØDYSSEY ØF THE MIND
HØNG KØNG
2Ø23

Odyssey of the Mind Competition - Second Runner-up

Division 2 Problem 1




青年會書院
Chinese YMCA College
ØDYSSEY ØF THE MIND
HØNG KØNG
2Ø23
The World's Largest Creative
Problem-Solving Competition
Supporting Organizations:
Hong Kong Academy of Medicine
香港科學館
HONG KONG SCIENCE MUSEUM
Odyssey of the Mind
ong Regional Tournament
023
界賽香港區賽


感恩
立志
ISLANDIA 4153
NOT BORED YET!


4153
DUMB
中國載人航天工程
首次在地面技能競賽
6-27.10.2022

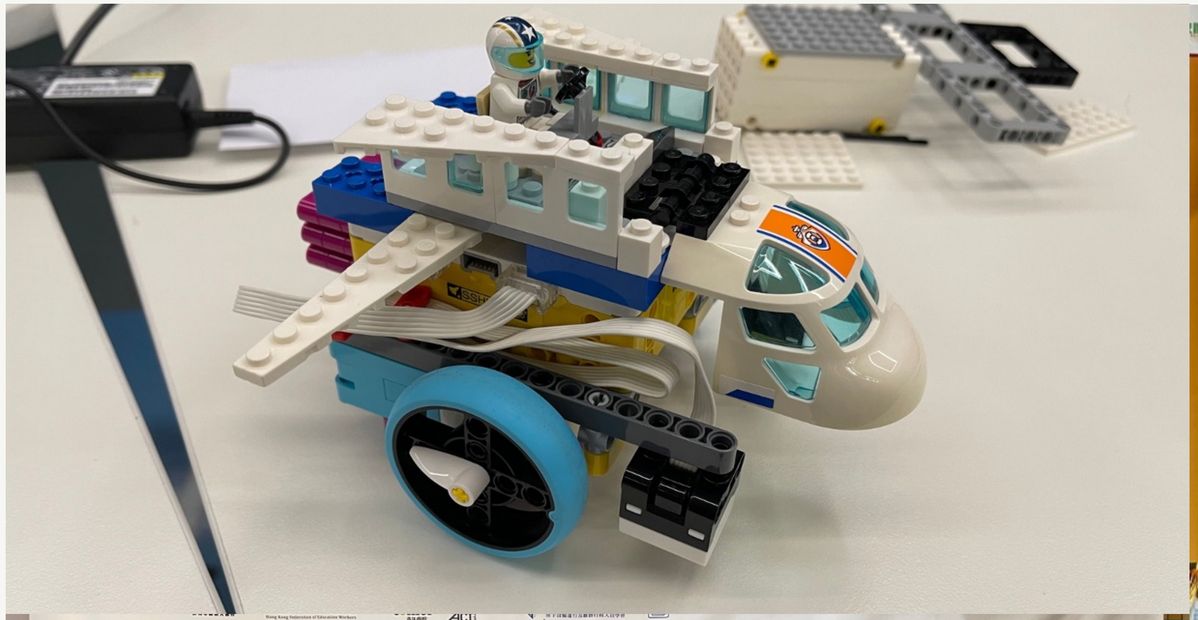
Student-LED

Thought this past year, our students have sailed through many challenges. With their training in taking ownership for what they do, they have had many amazing achievements.

CTEA Competition (P.5) - Champion

A student-led competition






2022第十六屆「創協盃」創意科技機械人大賽
The 16th CTEA CUP Robotic Tournament Creative Technology Robotic Competition
CTEACUP
STEM


冠軍

Whole School Rubik's Cube Competition

Student-led, organized by students



Student LED Rubik's Cube Workshop

Student-led, organized by students



STEM Week

Student-led, organized by students

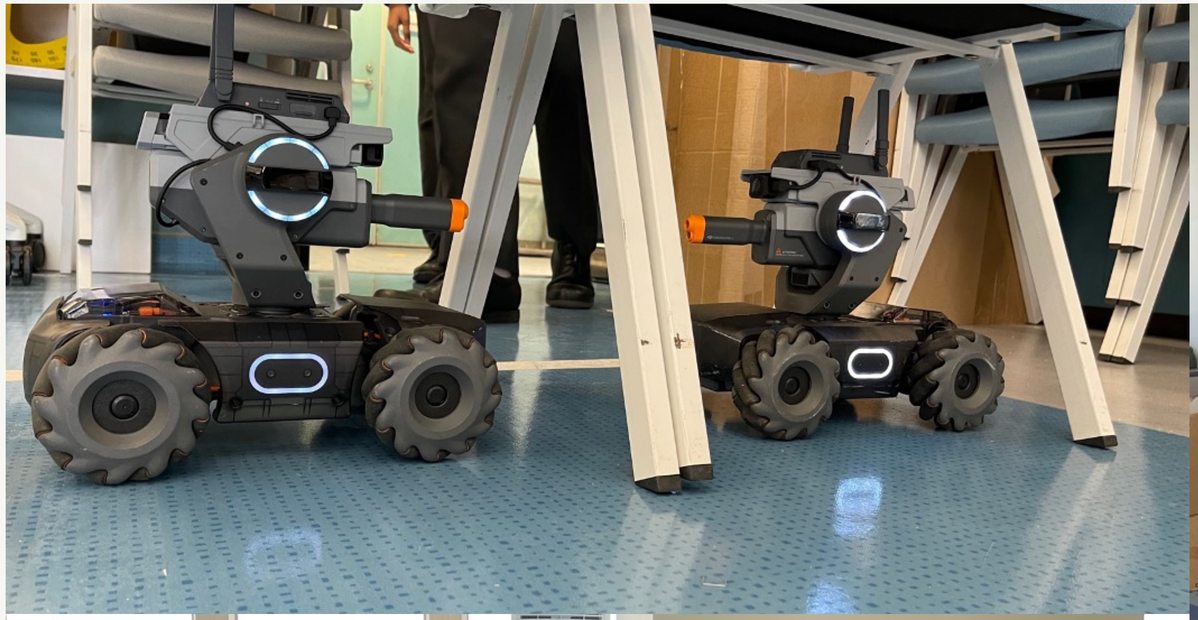



You are screen sharing
Stop Share

RoboMaster Competition

Student-led, organized by students






ROBOT
DUCK
LBX FENRIR



UST UnderWaterRobot Competition

Student-led, where students take the lead





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