



香港資優教育學苑
The Hong Kong Academy for Gifted Education

香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR

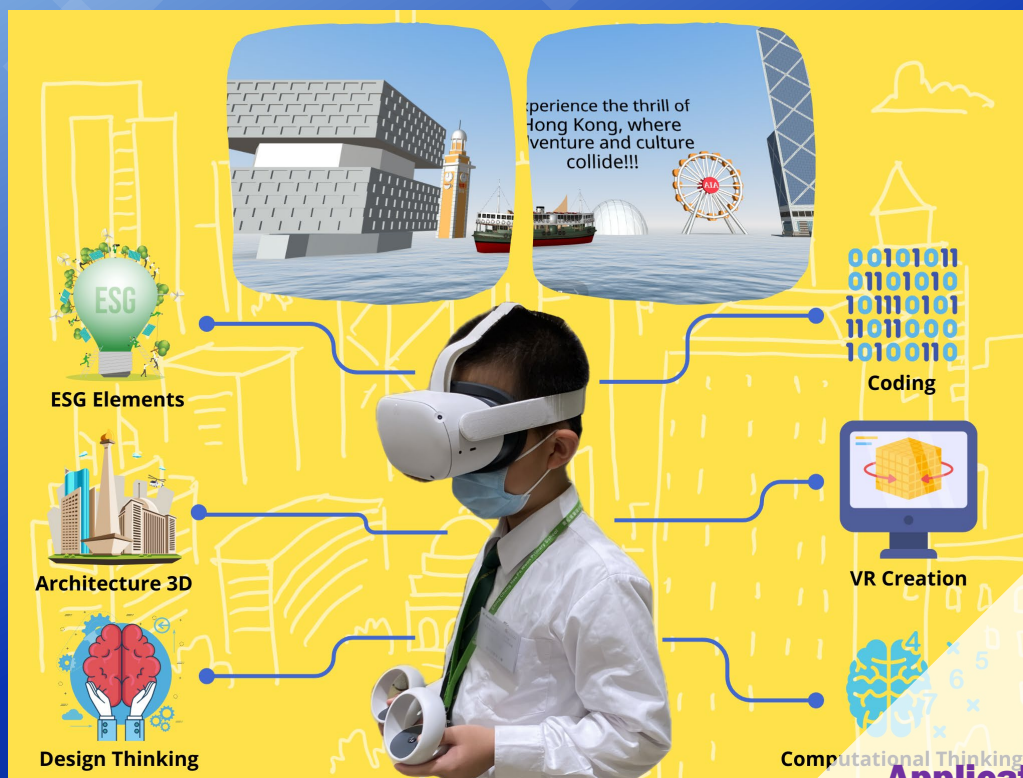
[**Gifted Programme**]

E2TEC002C

(Token- required)

Technology Course (Level II): Virtual Reality Technology – Junior Architect of ESG Building

Teachers of Idea Maker HK



Application Deadline

24 Jun 2024 12:00 noon

Result Release

28 Jun 2024

Intended Learning Outcomes

Upon completion of the gifted programme, gifted students should be able to:

1. describe Virtual Reality (VR) technologies and their applications;
2. demonstrate 3D modelling skills, and apply the skills to create 3D characters;
3. use coding to make interactive 3D modelling and finally develop their own ESG buildings;
4. synthesise creative and innovative ideas with enhanced problem-solving and project development skills;
5. develop awareness and mindset related to ESG issues (environmental protection, social responsibility, and corporate governance).

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

◆ Gifted Programme Introduction

In this course, students will learn to use Tinkercad to carry out 3D modelling and operate the CoSpaces Virtual Reality (VR) platform to create buildings with ESG elements. Throughout the course, students will acquire skills including design thinking, creative thinking, computational thinking, and coding skills for the project development. New VR technologies and their applications will also be discussed, engaging students to become future architects or engineers.

◆ Schedule

Session	Date	Time	Venue
1	29 Jul	2:00 p.m. – 5:00 p.m.	Idea Maker HK, Room 907, 9/F, One Portside, 29 Tai Yau Street, San Po Kong, Kowloon (MAP)
2	31 Jul		
3	2 Aug		
4	5 Aug		
5	7 Aug		
6	9 Aug		

◆ Suitable for

- P4 – P6 HKAGE student members in 2023/24 school year.
- Class size: 30
- Student members would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

◆ Pre-requisite

Students are encouraged to bring their own laptops for the largest benefits from the course. For students without laptops, they can still share the limited number of laptops in the class venue.

◆ Medium of Instruction

English with English handouts

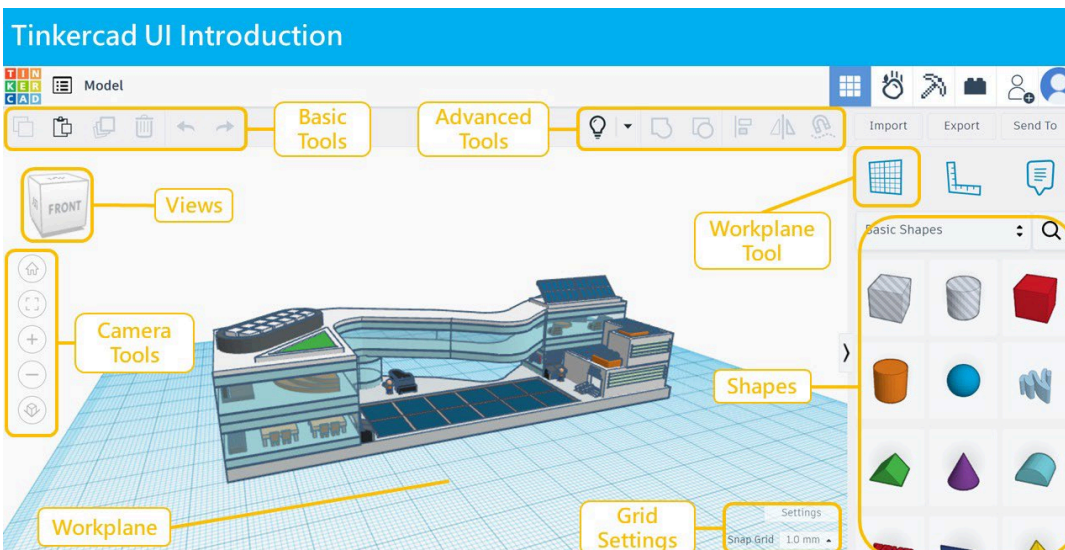
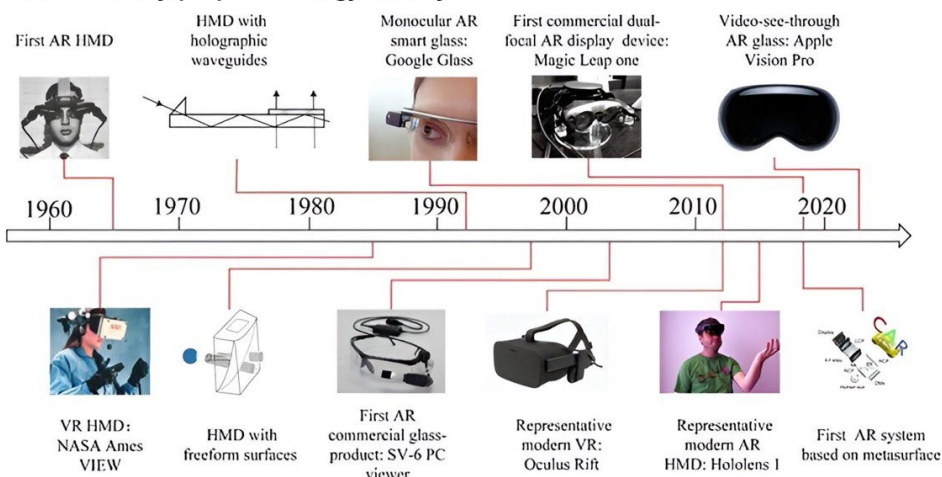
◆ Certificate

E-Certificate will be awarded to gifted students who have:

- attended at least 5 sessions; AND
- completed all the assignments with satisfactory performance.

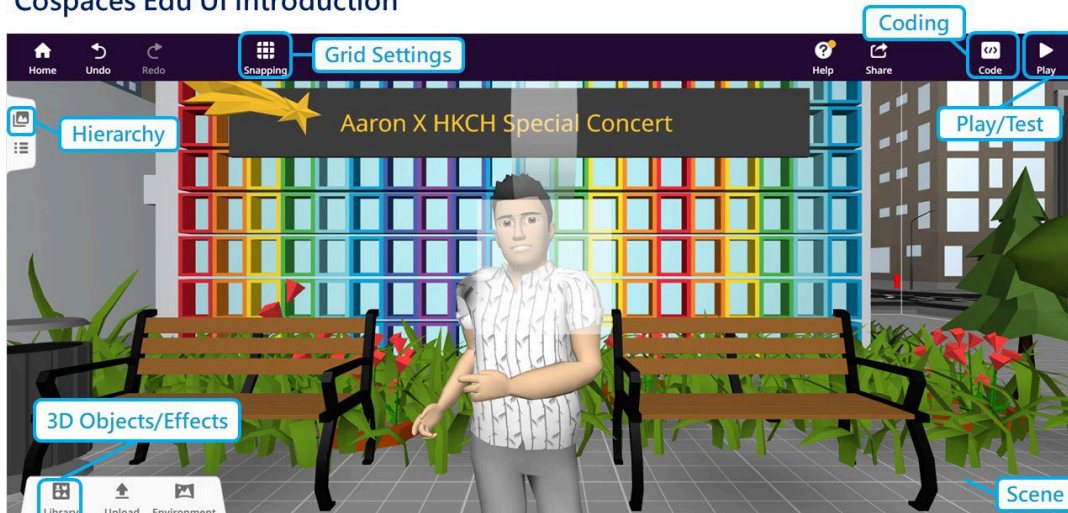
◆ Sample Notes

Virtual Reality (VR) Technology History



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Cospaces Edu UI Introduction



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