



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

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[ **Gifted Programme** ]

**STEAM Course (Level III)**

# Chinese Architectural Art Culture and Virtual Reality 3D Model Creation Course

Instructors: School of Arts and Social Sciences,  
Hong Kong Metropolitan University



**Application Deadline**  
**10 May 2024 12:00 noon**

## **Intended Learning Outcomes**

**Result Release**  
**14 May 2024**

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

1. Understand the principles and aesthetics in traditional Chinese architecture;
2. Develop students' technical skills in 3D modeling, VR development platform and Unity;
3. Integrate the usage of architectural software and tools in industry to reconstruct traditional Chinese structures and architectural elements;
4. Foster cultural appreciation by engaging in the creation of VR experiences;
5. Enhance students' skills in technical, problem solving, creativity and design thinking.

## ◆ Gifted Programme Introduction

This course aims to nurture an appreciation of traditional Chinese architecture among gifted students and build their skills in 3D modelling and virtual reality development. It introduces the art, history, and philosophy behind traditional Chinese architecture. Students will be guided to create 3D models of traditional Chinese architectural structures using modelling software and develop interactive VR experiences set in traditional Chinese architecture using the Unity engine. The course encourages creativity, imagination, and cultural appreciation through immersive VR projects.

## ◆ Schedule

Session	Date	Time	Venue
1	26 July	2p.m. – 5p.m.	Main Campus, HKMU <a href="#">(MAP)</a>
2	27 July		
3	1 Aug		
4	2 Aug		
5	3 Aug		
6	8 Aug		
7	9 Aug		
8	10 Aug		
9	15 Aug		
10	16 Aug		
11	17 Aug		
12	22 Aug		
13	23 Aug		
14	24 Aug		

## ◆ Suitable for

- S1 to S6 HKAGE student members in 2023/24 school year
- Class size: 25

## ◆ Medium of Instruction

Chinese and English with English Handouts

## ◆ Screening

Please answer the screening question in the online application form.

\*The screening question is designed to help the applicant understand the course level and the course content. The question must be answered by the student applicant, and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question.

## ◆ Certificate

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

- attended at least 11 sessions; and
- completed all the assignments with satisfactory performance