

規劃與組織研習活動和比賽  
以提升學生對地理科的興趣

**Planning and Organising  
Learning Activities & Competitions  
for Enhancing Students' Interest  
in Geography**



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Good Hope School

## 明智地運用城市空間－我們能否維持一個可持續的城市環境？

城市土地利用和城市問題是地理學中兩大核心主題。城市土地利用形態與城市問題反映了在城市中人與自然環境的空間互動過程。透過研習本議題，學生把香港與一個西方城市、一個東南亞城市和一個南美洲城市作出概括的比較，以便能夠理解多元的地理因素如何塑造城市的內部結構。學生也能深入地探討我們的城市正面對甚麼問題及如何解決這些城市問題。在研習城市土地利用和城市問題時，學生不但能明白主要的地理概念，例如：區位需求、空間競爭、土地利用衝突、城市成長及重建、可持續發展等，而且同樣重要的是他們也能發展一些必須掌握的地理技能，包括地圖閱讀、照片闡釋、土地利用繪圖及解難。本單元也提供充足的機會讓學生進行考察探究及掌握相關的探究與考察技巧，其中包括實地依照計劃路線行走、觀察及識別顯著的特徵、從實地調查中蒐集數據、實地採集樣本等。此外，透過探究城市議題，我們期望學生能培養出對身邊事物有更強的覺悟力，並在改善他們身處的城市環境中扮演更主動的角色。

### 規劃與組織研習活動 - 明智地運用城市空間

- 課程設計
- 資源運用
- 成果展示



# 規劃與組織研習活動

學習基礎  
知識與技能

實地考察與  
資料搜集

資料分析與  
提出建議

作品製作及  
成果展示



# 規劃與組織研習活動

<b>技能</b>	<ul style="list-style-type: none"><li>• 從地圖及空中照片識別香港及/或其他城市的城市土地利用形態</li><li>• 運用地圖集尋找不同城市的區位</li><li>• 從照片及地圖識別不同的城市土地利用類型</li><li>• 實地依照計劃的路線行走，並沿途識別不同的土地利用類型及城市問題</li><li>• 實地把城市土地利用標示在地圖上，並運用地理信息系統軟件繪製土地利用圖</li><li>• 繪製一幅實地草圖以顯示相關的地理特徵，例如土地利用、居住環境、環境質素等</li><li>• 在考察地點中抽樣挑選受訪者進行實地調查</li><li>• 進行問卷調查以蒐集市民對市區環境的意見</li><li>• 製作統計圖表以表達及總結調查結果</li><li>• 從統計數據、地圖及照片比較兩個城市的特徵</li><li>• 繪製地圖或平面圖（附正確比例、方向、慣用符號及圖例）以顯示一個理想的居住城市</li></ul>
<b>價值觀和態度</b>	<ul style="list-style-type: none"><li>• 有興趣加深對中國其他城市的認識</li><li>• 關注由城市發展引致的問題</li><li>• 察覺到不同土地利用者之間的利益衝突</li><li>• 體會需以容忍及願意妥協的態度來解決城市問題</li><li>• 培養責任感以作出改善城市環境的行動</li></ul>



# 規劃與組織研習活動

## 研習活動一：舊區重建

Case Study 1 – Kwun Tong Town Centre Project

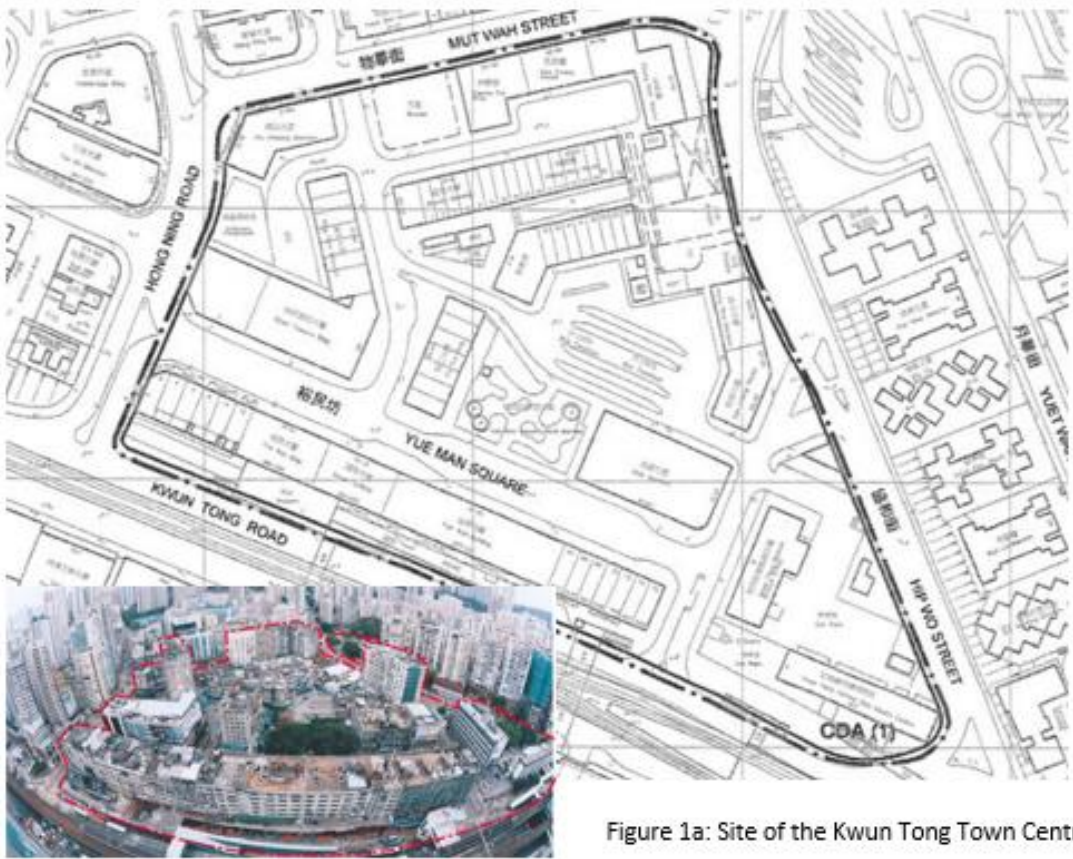


Figure 1a: Site of the Kwun Tong Town Centre Project

Location	Kwun Tong Town Centre (between Kwun Tong Road, Hip Wo Street, Mut Wah Street and Hong Ning Road)		
Area (Size)	53500 square metres		
Affected buildings	24	Affected shops & Types of the shops affected (Number) Type	e.g. (3) Restaurants
Affected households	1401		
Average price of the flat	\$ _____ Square Feet		
Road Capacity & Traffic Condition	_____ Lanes; Very crowded/ Moderate crowded/ Not Crowded	40-76 Yue Man Square	
Parking Facilities Nearby	(On-street parking spaces/ Carpark / None)	Accessibility (Road Network & Public Transport)	
Green Area/ Parks Nearby	Adequate/ Some/ None	Distance from Daily Necessities Supply	Wet Market - _____ mins Supermarket - _____ mins

市區重建局  
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30 MAR 2007

Kwun Tong Town Centre : URA Commences Largest Project

The Urban Renewal Authority (URA) today (Friday) announced the commencement of its biggest ever project - redevelopment of the Kwun Tong Town Centre - by conducting a freezing survey of the estimated 4,500 residents who will now have the long-awaited opportunity to improve their living standard through compensation and rehousing.



Aerial view of Kwun Tong Town Centre project



Figure 1b:  
Kwun Tong Town Centre  
in 2015



Figure 1c:  
Proposed Design of the Kwun Tong Town Centre  
Project



Figure 1d: Locations of Facilities and Buildings after Redevelopment

The Urban Renewal Authority (URA) commence its biggest ever project - redevelopment of the Kwun Tong Town Centre in 2007. Visit the websites below and study the photos of Kwun Tong Town Centre using Google Street View. Find out more about the Kwun Tong Town Centre Redevelopment Project.



# 規劃與組織研習活動

## 研習活動一：舊區重建

實地考察與  
資料搜集

資料分析與  
提出建議

Good Hope School  
S.2 Project Learning  
Redevelopment Project – Building Design

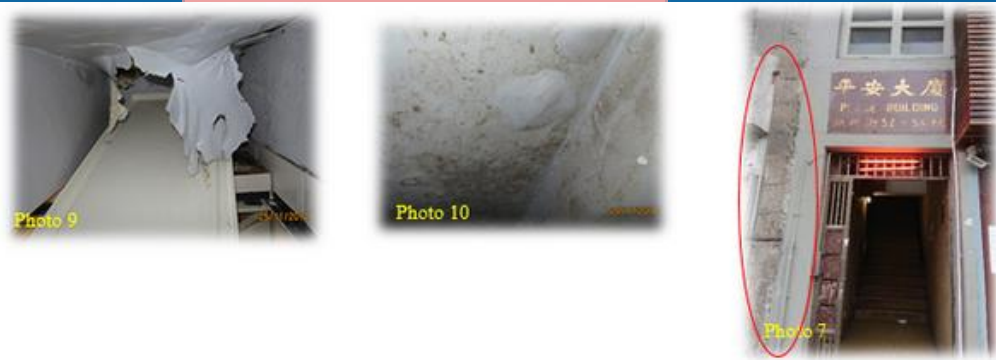
A property developer has acquired several buildings in \_\_\_\_\_.

Your consultancy is hired by the developer and you are required to:

1. Decide what facilities should be built/ installed;
2. Design the buildings; and
3. Set up a smart property management system.

### Site Information

Location			
Area (Size)			
Affected buildings	Affected shops & Types of the shops affected (Number) Type	e.g. (3) Restaurants	
Affected households			
Average price of the flat			
Road Capacity & Traffic Condition	_____ Lanes; Very crowded/ Moderate crowded/ Not Crowded	Accessibility (Road Network & Public Transport)	
Parking Facilities Nearby	(On-street parking spaces/ Carpark / None)		
Green Area/ Parks Nearby	Adequate/ Some/ None	Distance from Daily Necessities Supply	Wet Market - _____ mins Supermarket - _____ mins



‘受漏水影響，令單位出現石屎剝落、鋼筋外露、天花滴水、牆紙剝落及及霉等情況，所以，有關業主委託香港驗樓進行檢測。’

\*evidence 3

Moreover, the structures of old buildings are in bad condition. As mentioned in the above paragraph, **the conditions of the concrete are bad**. Our researchers also rated the wall conditions on the outer wall of our sites at Tai Nan Street. **4 out of 6 of our study sites has parts of concrete which are corroded or cracked** (Photo 7). According to an article and photos found at the website of Hong Kong Inspection and Structural Diagnostic Ltd, we are able to prove that **the water leakage problems are serious in estates of Sham Shui Po**. Water leakage also leads to **concrete peeling, water dripping from the ceilings** and even **molded walls** (Photo 9&10). Some of our study sites even have **illegal structures built on the roof of the buildings**. This shows that the buildings **might not be entirely safe for people to live in**.

Locations	Number of floors	Number of flats
Tai Nan Street 351	5	5
Tai Nan Street 255	8	8
Tai Nan Street 364	5	5



Both photos show that the buildings along the Tai Na Street are **old and poor**. For example, the **paintings of the door** in photo 5 and the **walls** in photo 6 are **peeling off**. Also, **almost all of the air-conditioners in Sham Shui Po are exposed**, shown in photo 6, which **enhance the water-dripping problems**.

Locations	Age of the properties
Tai Nan Street 370-372	01/1994 (25)
Tai Na Street 374	06/1969 (50)
Tai Nan Street 299	10/1956 (63)
Tai Nan Street 214	06/1958 (61)
Tai Nan Street 380	10/1983 (36)

\*evidence 2

### Interviewee 1 - shop owner

Interviewer: Why did you choose this district for your business in the first place?

Interviewee: This shop is one of the branches of our company. **As I live in Sham Shui Po**, the headquarters assigned me to be the manager of this shop. So it is not me to choose this site.

Interviewer: Oh, I understand. And as the manager of this shop, what kind of positive impacts will the redevelopment bring to your business?

Interviewee: Positive? Although some people may say that Sham Shui Po will become modern, I think there's **no good for my business** as all the **special features in this district will be gone**.

Interviewer: So you think that there are no positive impacts at all. Are you worried?

Interviewee: **No, not at all**.

Interviewer: What kind of negative impacts will be there you think?

Interviewee: Except the one I just mentioned, perhaps there will be **fewer customers** to visit my shop because **more prestigious shops** will be built up and I **may not be able to afford the expensive land rent**.

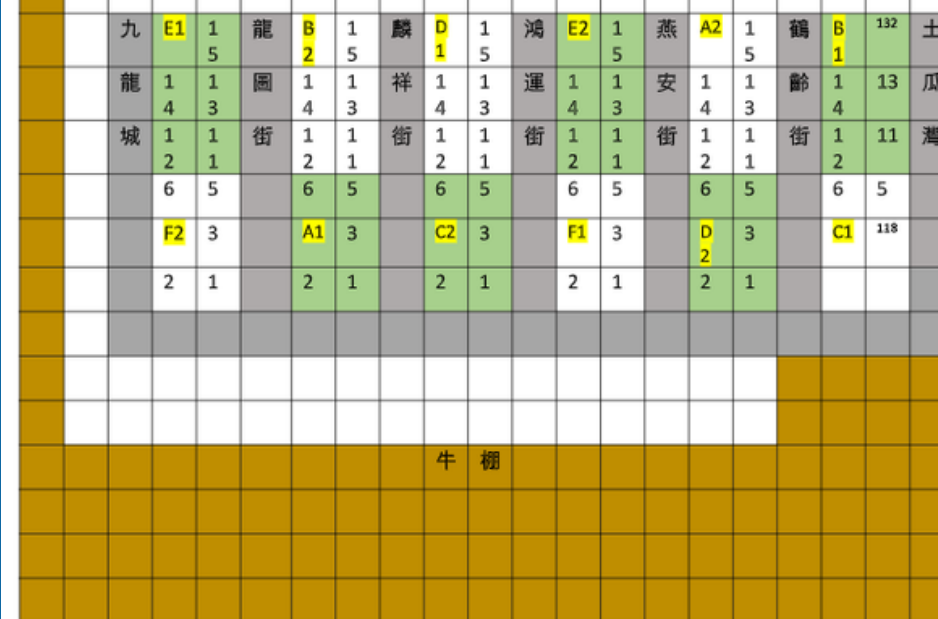
Interviewer: If in an unfortunate situation, that your shop is acquired by the government, what kind of arrangement would you want the Urban Renewal Authority to provide to help you and your business?

Interviewee: I think giving us **money is a good way, but I will be satisfied whatever the government does**.

Interviewer: After the redevelopment project, instead of having shops on the ground, there will be large scale malls. How do you think that would affect your business?



# 研習活動一：舊區重建





# 規劃與組織研習活動

## 研習活動二：中環街市活化

Good Hope School

Secondary 2 – Project Learning (2019 – 2020)

Written Report

The Urban Renewal Authority (URA) is carrying out two urban renewal projects in Central –

1.

Central Market – A heritage preservation & revitalisation project

2.

Peel Street / Graham Street Development Scheme – A redevelopment, heritage preservation & revitalisation project

They would like to hire a consultancy to help explore the best way to carry out urban renewal in the region. You are required to form a consultancy and carry out research in **at least one of the following sites**:

1.

Central Market;

2.

Peel Street / Graham Street Redevelopment Sites A and C (including Wing Wo Grocery);

3.

Graham Street Market and the nearby areas

Each consultancy should consist of 4 to 6 members. Specific role and duties should be assigned to each member in the team.

**You are expected to find out:**

◆

The existing problems in the study area – e.g. traffic, facilities, people’s lives & interactions, etc.

◆

The history of the study area and the selected site(s)

◆

The recent changes/ development in the study area

◆

Stakeholders’ expectations and concerns –

e.g.

What facilities do the residents need?

How can the project help improve the business in the district?

What should be preserved in the area?

Impact brought by the project

◆

The restrictions on the development

**You are required to suggest:**

◆

The best way to revitalize the preserved sites

◆

The sustainable ways to improve the living environment of the study area

**Stage 1: “Let’s explore”**

**Task 1 – SWOT Analysis**

Strengths: Are there any locational advantages? Why is it a vibrant community? What are the unique features of the study area? Why do people (developers, URA, etc.) choose to invest in the urban renewal project in the study area?

Weakness: Are there any locational disadvantages? Are there any restrictions if we want to carry out an urban renewal project? What are the existing problems found in the study area?

Opportunities: Will the property price go up? Why? Will the surrounding environment be improved? Will the revitalized sites attract more visitors?

Threats: Will the property price go down? Why? Will the surrounding environment be worsened? Will there be any new problems brought by the urban renewal project?

Strengths <b>8</b>	Weakness <b>8</b>
Opportunities <b>5</b>	Threats <b>5</b>

**Task 2 – Who are the stakeholders?**

The Stakeholder	His/her view/concerns	The Stakeholder	His/her view/ concerns

**Task 3 – Assessment of Historical Buildings**

Which department is responsible for the assessment? \_\_\_\_\_

**Preserved site 1: Central Market (80 Des Voeux Road Central)** - It is a Grade \_\_\_\_ historical building.

**Preserved site 2: “Wing Woo” Grocery (120, Wellington Street)** - It is a Grade \_\_\_\_ historical building.

\*Definition of Grading:

Grade 1: Buildings of outstanding merit, which every effort should be made to preserve if possible.

Grade 2: Buildings of special merit; efforts should be made to selectively preserve.

Grade 3: Buildings of some merit; preservation in some form would be desirable and alternative means could be considered if preservation is not practicable.



**Sample Observation Form**

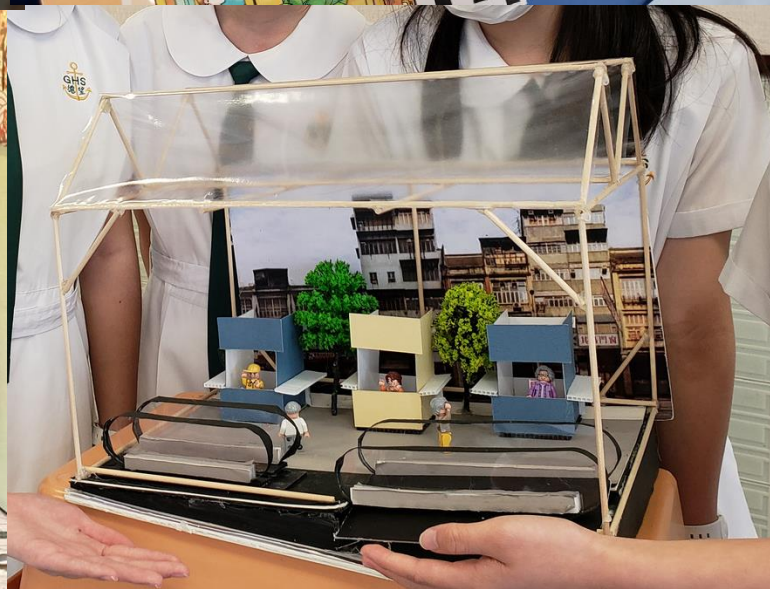
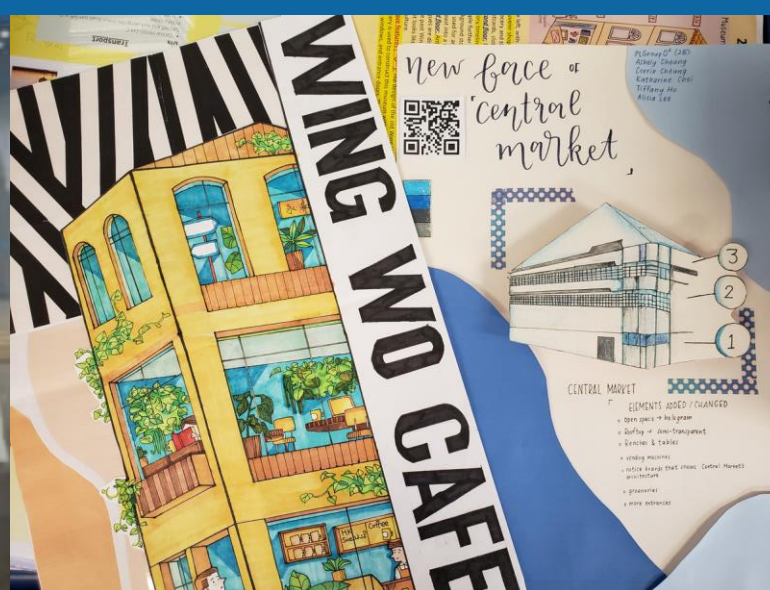
**Table 2** Record sheet for the survey on the height, land uses and conditions of buildings in the study area

Street	Street no.	Building height (storeys)	Land use		Building condition			
			Ground floor	Upper floors	Paintwork (A)	Installation (B)	Structure (C)	Total score (A) + (B) + (C)
Aberdeen Street (鴨巴甸街)	PMQ							
Staunton Street (士丹頓街)	72				Building condition (the following table is a guideline to help you evaluate the condition of buildings)			
	80							
	88							
	90							
Wa In Fong East (華賢坊東)	8				Paintwork	In good condition		Peeling, iron rusting, graffiti
	13							
	14–17							
Wa In Fong West (華賢坊西)	2				Installation	External upkeep in proper condition		Broken windows, doors, leaking water pipes
	4							
	6							
	8							
	10							
Shing Wong Street (城皇街)	2				Structure	Tidy, with no illegal structure		Illegal structures, temporary structures, unstable
	2A							
	17							
	19							
Bridges Street (必列嘑士街)	2							
	18							
Wing Lee Street (永利街)	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12							



# 規劃與組織研習活動

## 研習活動二：中環街市活化

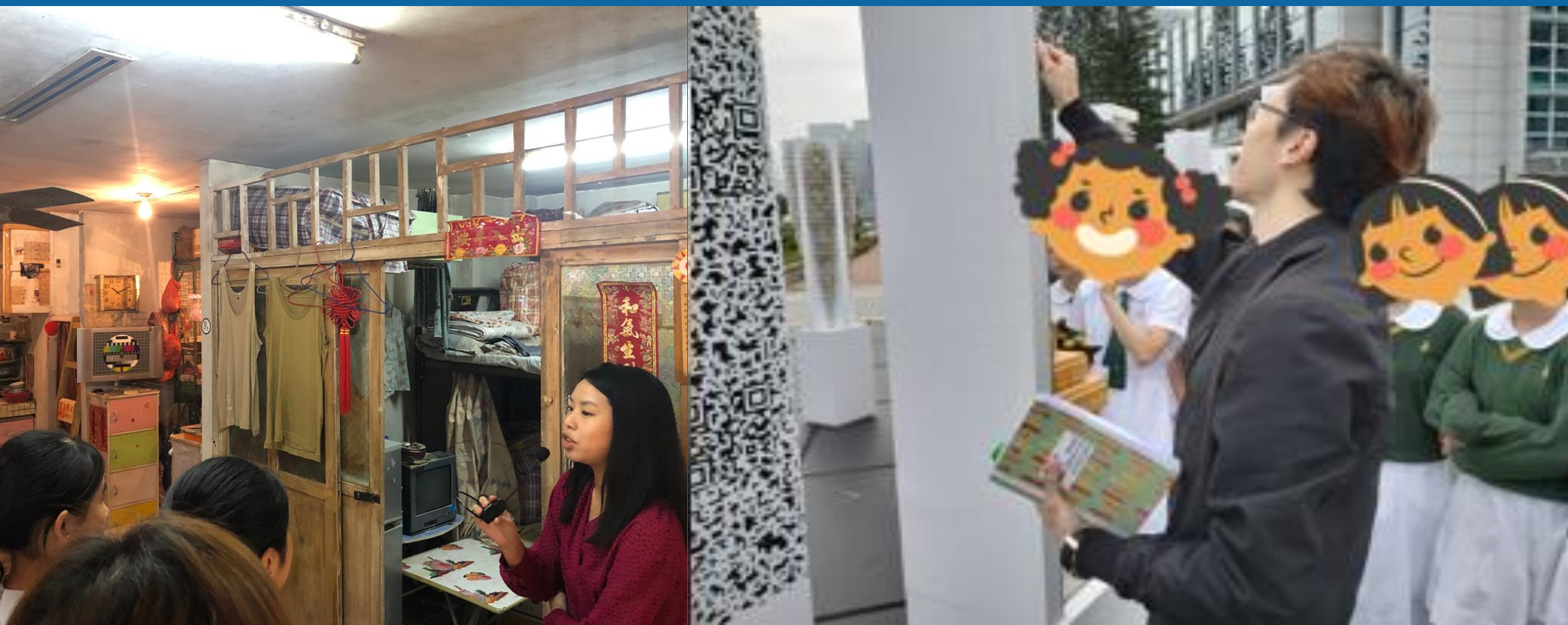




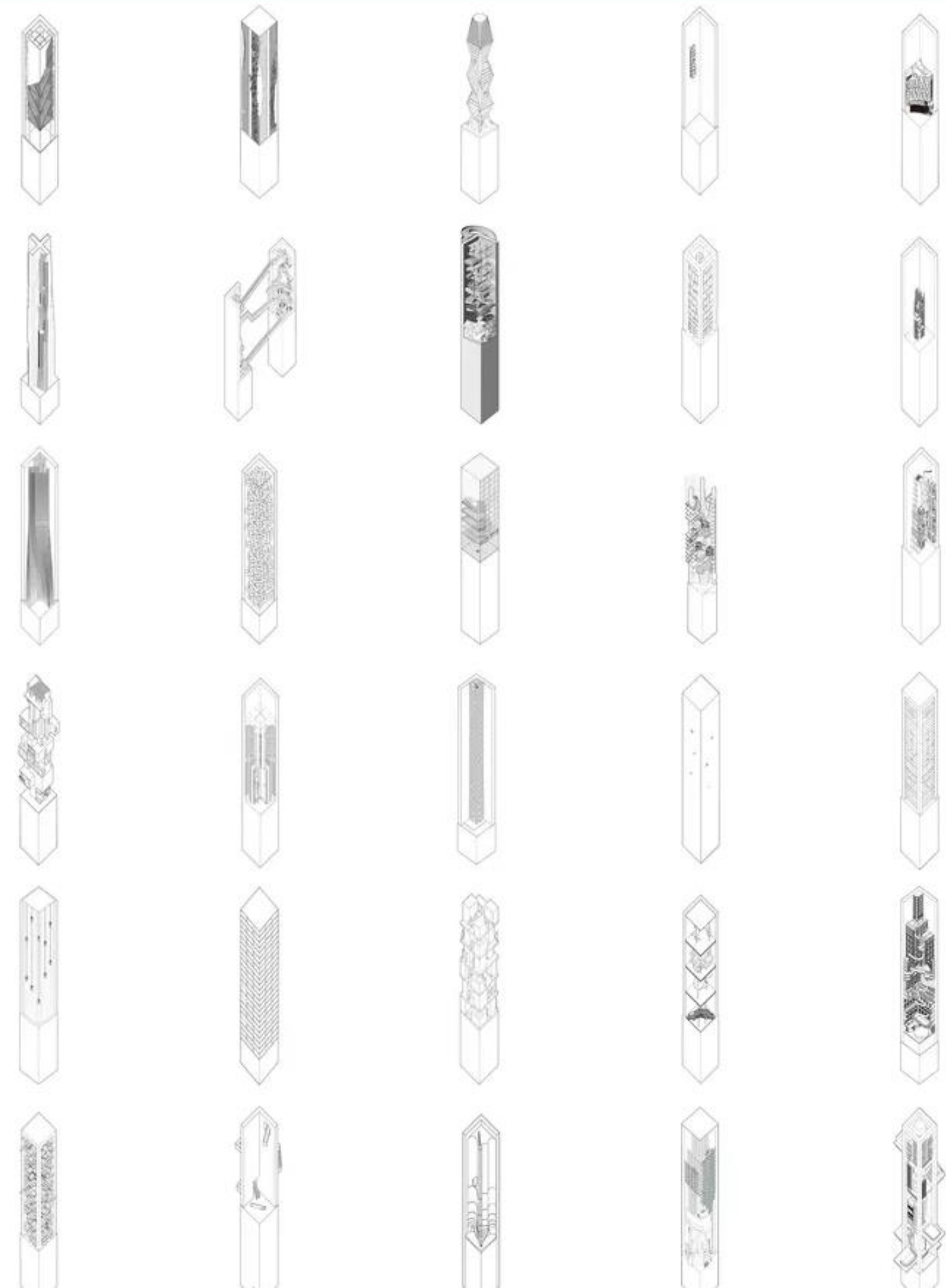
# 規劃與組織研習活動

## 研習活動二：中環街市活化

- 考察機會
- 創意啟發
- 成品製作
- 展出場地



16TH VENICE BIENNALE INTERNATIONAL ARCHITECTURE EXHIBITION  
HONG KONG EXHIBITION AND HONG KONG RESPONSE EXHIBITION  
第十六屆威尼斯國際建築雙年展香港展覽及香港回應展

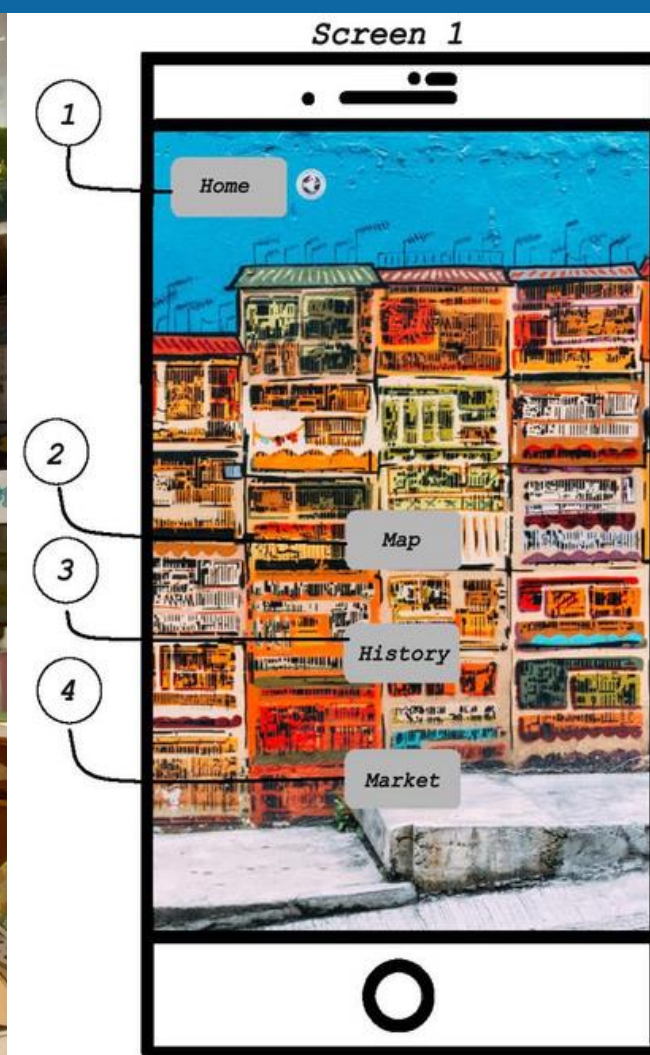




# 規劃與組織研習活動

## 研習活動二：中環街市活化

- 考察機會
- 創意啟發
- 成品製作
- 展出場地



1

Wherever you are in the app, if you tap this button you will back to the first screen

2

The Map button directly link to google map, which can leads you to Graham Street, is a function for visitors

3

QR code are attached to something(walls, etc)near by the historical features in Graham Street we call that 'station'. By scanning the code, you will get some information about that feature.

4

After clicking, a market map will be shown, informations of the shops, for example their location and products will also be shown





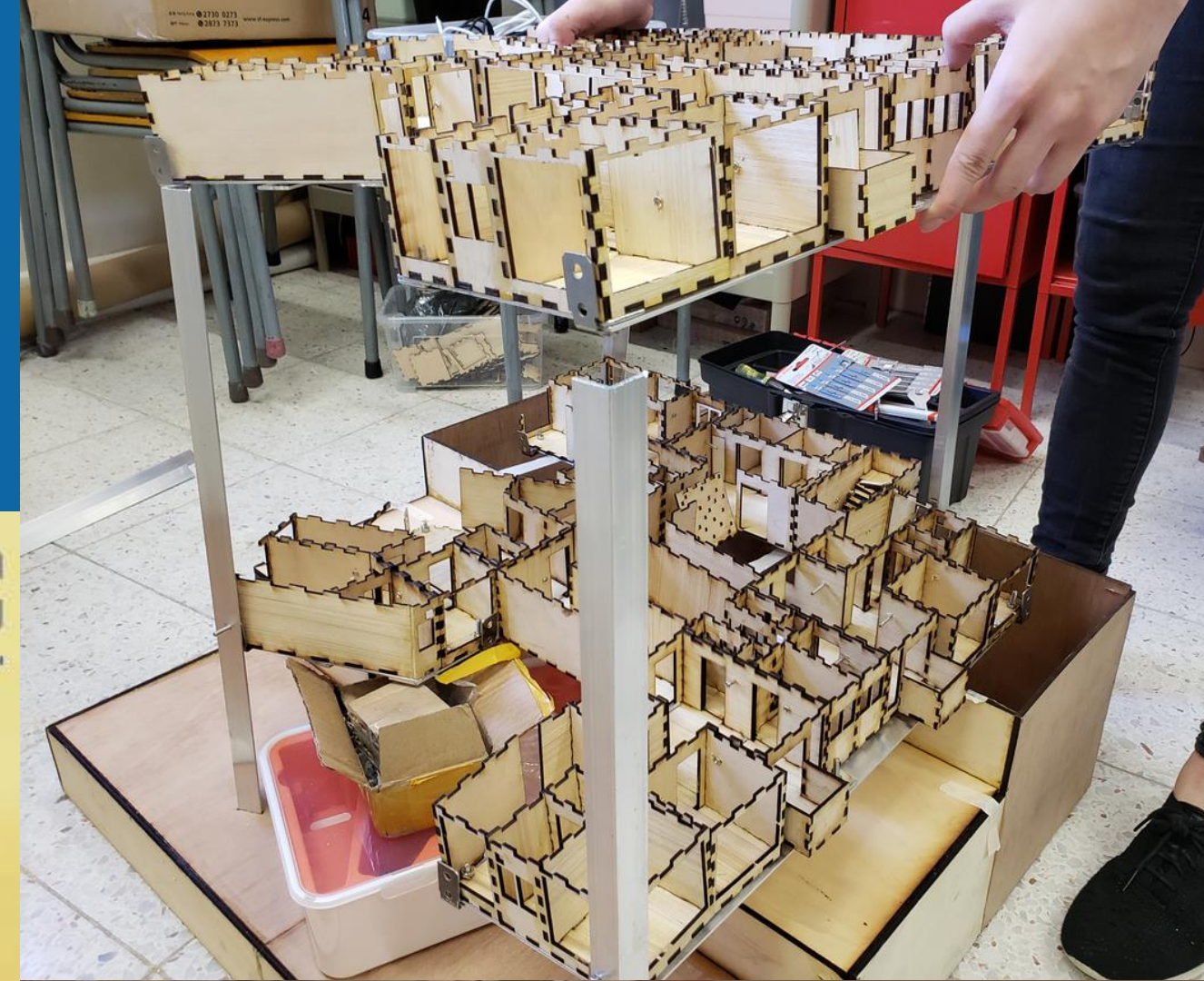
# 參與比賽

## 夢想建築 由你組合



MAXIMISE INFINITE CREATIVITY  
MINI-BUILDING MODEL COMPETITION  
截止報名:10.7.2021

迷你建築模型比賽



### Organization...

**MODULAR INTEGRATED CONSTRUCTION (MIC)**  
Pre-producing modules in factories not only saves time, it is also eco-friendly and cost-effective. Standardized production reduces waste and materials required. Furthermore, the minimization of noise and structural damaging on-site construction protects the structure of the Man Mo Temple and reduces the disturbance to the nearby community.

### Unique design & Show houses...



*Luminescence*  
(N.) SHINING UNDER





# 參與比賽

我想·  
可持續發展的香港

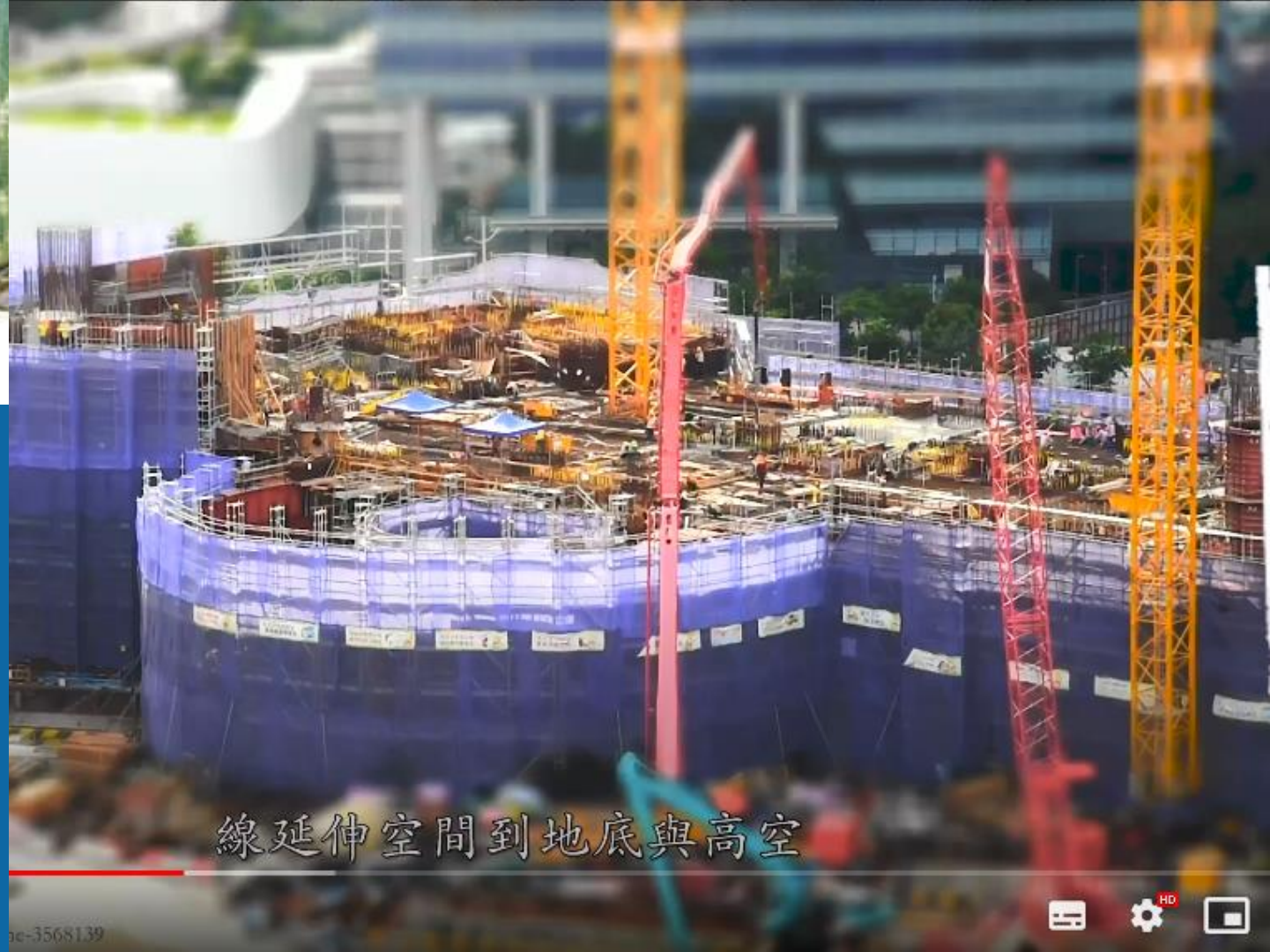
短片創作比賽  
Video competition

ENVISIONING A  
SUSTAINABLE  
HONG KONG



支持機構 (以英文字母為序)  
Supporting organisations (Listed in alphabetical order)







# 參與比賽

**STEM** Education Centre  
教 育 中 心

**Eco Home Model  
Design Competition**





# 參與比賽



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## MY GREEN SPACE

Student Competition  
2020-2021



### REBORN@ MUI WO REHABILITATION PROJECT

A multi-story building is converted into a low-carbon living workplace.  
(It's inspired the green elements of the reborn building.)

#### Energy Use

- Multi-energy electricity
- Energy and carbon audit
- Active Carbon Sink
- Solar panel



#### Ventilation & Natural Lighting

- Double-front glass and double green curtain wall
- Transfer wind from a well
- External wall removal

#### Green Operation

- Energy-saving design
- Energy-saving design
- Real-time energy monitoring
- Set water air conditioning



#### Blue & Green Concept

- Vertical greening
- Greenhouse plant on ground
- Green roof
- Sky garden storage
- Rainwater collection



REBORN@ MUI WO 再生樓

ART . CULTURE . TECHNOLOGY .  
LOCAL LIFESTYLE .  
GREEN LIVING .